



# Undergraduate Academic Catalog



Inspiration *in Action*<sup>™</sup>

# CUW

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Concordia University Wisconsin is one of ten colleges or universities in the Concordia University System, which is owned and operated by The Lutheran Church - Missouri Synod.

## Mission Statement

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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

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Concordia was founded in 1881 as a school of The Lutheran Church-Missouri Synod and officially became a university on August 27th, 1989. Concordia provides a variety of educational opportunities for students who are preparing for vocations in the ministry of the church and for various professional and business careers in the community. The program of studies emphasizes a liberal arts curriculum and course offerings provide educational experiences that cultivate personal and vocational skills. The total program is centered in the Christian philosophy with a confessional Lutheran emphasis. It is governed by sound educational standards and is focused on the spiritual, academic, social, and physical development of students.

Concordia University seeks to develop mature Christians in whom knowledge and understanding of the Holy Scriptures, the inspired, inerrant Word of God and the source and norm of Christian truth, are united with personal faith in Jesus as God and Savior. Concordia's spiritual resources are directed to the development of Christian faith and practice of Christian virtues so that the student can form value judgments and arrive at ethical principles required for purposeful living.

Concordia's programs promote intellectual development and self-knowledge for the student's personal growth and well-being. They nurture religious commitment, provide insights for Christian action in the world, and facilitate the ability to communicate effectively. The programs provide an opportunity for intelligent selection of vocations for service to God, church and society. They are designed to develop the professional competencies and commitment required for responsible participation and leadership in a complex society.

As a metropolitan educational institution in Wisconsin, Concordia is determined to use all available opportunities and resources provided by the community at large to enhance the educational development of its students. Concordia also integrates a global experience into its curriculum so that the student can better understand the church and our nation in a truly global environment. Concordia, in turn, within the bounds of its philosophy and resources, is interested in exerting a Christian influence on the community, nation, and world. This is done through traditional and non-traditional university programs, adult and continuing education, graduate programs, and global education. With a spirit of Christian commitment, supported by a broad liberal arts education, graduates of Concordia will intelligently and unselfishly enter challenging avenues of service to church and society.

## Campus Address

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**CONCORDIA UNIVERSITY WISCONSIN**  
12800 North Lake Shore Drive  
Mequon, Wisconsin 53097-2402  
Telephone: 262.243.5700  
Fax: 262.243.4351

## Administrative Officers

|   |                  |
|---|------------------|
| PRESIDENT . . . . .   | Patrick Ferry    |
| EXECUTIVE VICE PRESIDENT AND CHIEF OPERATING OFFICER . . . .    | Allen Prochnow   |
| ASSISTANT TO THE PRESIDENT FOR GOVERNANCE AND PLANNING . . .    | Ross Stueber     |
| 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 . . . . .                        | Andrew Luptak    |
| 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      |

## Deans

|                                   |               |
|-----------------------------------|---------------|
| ARTS AND SCIENCES . . . . .       | Gaylund Stone |
| BUSINESS ADMINISTRATION . . . . . | David Borst   |
| EDUCATION . . . . .               | Michael Uden  |
| HEALTH PROFESSIONS . . . . .      | Linda Samuel  |
| NURSING . . . . .                 | Teresa Kaul   |
| PHARMACY . . . . .                | Dean Arneson  |
| STUDENT LIFE . . . . .            | Sarah Holton  |

## 2012 - 2013 Academic Year

### SEMESTER I

|                  |             |   |
|------------------|-------------|---|
| August 20-24     |             | Pharmacy classes begin  |
| August 25        | Sat.        | Opening Service   |
| August 27        | Mon.        | First Day of Classes  |
| September 3      | Mon.        | LABOR DAY – No Class  |
| September 7      | Fri.        | Last Day to Add a Regular Semester Class                      |
| October 18-19    | Thurs.-Fri. | Fall Break-No traditional undergrad. classes                  |
| November 2       | Fri.        | Last Day to Drop a Regular Semester Class                     |
| November 21      | Wed.        | Thanksgiving Vacation - Begins after 4:00 p.m.                |
| November 22      | Thurs.      | THANKSGIVING DAY  |
| November 26      | Mon.        | Classes Resume  |
| December 10 - 14 | Mon.-Fri.   | Final Examinations<br>Christmas Recess Begins after Last Exam |
| December 15      | Sat.        | Graduation (1:30 p.m.)  |
| December 25      | Tues.       | CHRISTMAS DAY   |

### WINTERIM

|            |      |                                  |
|------------|------|----------------------------------|
| January 7  | Mon. | Classes Resume – Winterim Begins |
| January 25 | Fri. | Winterim Examinations            |

### SEMESTER II

|               |           |   |
|---------------|-----------|---|
| January 14    | Mon.      | Pharmacy classes begin                    |
| January 28    | Mon.      | Second Semester Begins                    |
| February 8    | Fri.      | Last Day to Add a Regular Semester Class  |
| March 25-29   |           | Spring Recess                             |
| March 31      | Sun.      | EASTER                                    |
| April 1       | Mon.      | Classes Resume at 4:00 p.m.               |
| April 12      | Fri.      | Last Day to Drop a Regular Semester Class |
| April 15 – 19 |           | Servant Week                              |
| May 13-17     | Mon.-Fri. | Final Examinations                        |
| May 18        | Sat.      | Graduation (1:30 p.m.)                    |

### SUMMER SESSIONS

|   |   |
|---|---|
| <b>3 weeks</b>                          | <b>6 weeks</b>                          |
| 1 – May 20-June 7<br>(no school May 27) | May 20 -June 28<br>(no school May 27)   |
| 2 – June 10 - June 28                   | June 10 - July 19<br>(no school July 4) |

## Correspondence Directory

|  |   |
|--|---|
| Academics . . . . .                              | Senior Vice President of Academics  |
| Admission . . . . .                              | Senior Vice President of Enrollment Services                                |
| Business Affairs and Payment of Fees. . . . .    | Executive Vice President and Chief Operating Officer                        |
| Continuing Education . . . . .                   | Assistant Vice President of Academics for Distance and Continuing Education |
| Education Colloquy . . . . .                     | Chairperson, Division of Education  |
| General Information and Correspondence . . . . . | University Relations  |
| Lay Ministry Colloquy . . . . .                  | Director of Lay Ministry Placement  |
| Scholarship and Financial Aid . . . . .          | Director of Financial Aid   |
| Student Life. . . . .                            | Vice President of Student Life  |
| Transcripts and Academic Reports. . . . .        | Registrar   |
| Web Page Address: . . . . .                      | www.cuw.edu   |

## Admission - Traditional Program

### GENERAL INFORMATION

Concordia University Wisconsin 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 Wisconsin 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.

### 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 preseminary 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. The University accepts the ESL Academic Report as satisfaction of English language proficiency for international students.

### PROCEDURE FOR ADMISSION

An application should be filed during the student's senior year in high school; however, later applications may be considered if space is available. Students may enter at the beginning of any term. The formal application should be forwarded to the Office of Admission and must be accompanied by a check or money order for \$35.00 made payable to Concordia University Wisconsin to cover the application. Upon enrollment this fee is applicable to tuition. This

payment is nonrefundable.

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 American College Testing Program. Information concerning this 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. The SAT (Scholastic Aptitude Test) may be accepted in lieu of the ACT.
5. International students must present a minimum TOEFL score of 173 on the computer based test for regular acceptance. Any International Student who can not 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.

### **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 not eligible for regular admission. However, upon the recommendation of the Vice President of Enrollment Services 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 nondegree student will be reviewed and the student apprised of how the credits can be used in meeting degree requirements.

### **PROVISIONAL ADMISSION / PROBATION FOR ESL STUDENTS**

This policy applies to international students who have completed the ESL program, but failed to meet TOEFL requirements. In order to qualify for provisional admission a student must meet the following criteria:

1. The student must have received A's and B's in their ESL classes.
2. The student must obtain 2 letters of recommendation from non-ESL faculty.
3. The student's request for probation must be approved by the ESL faculty.

During a student's term of probation, the student will be allowed to take regular classes (12 cr. hrs. is recommended). The student must also continue to prepare for the TOEFL and demonstrate that a reasonable attempt has been made to pass it.

If after a semester of probation, a student still has not met TOEFL requirements, the student's status will be evaluated by the ESL faculty.

### **ADVANCED STANDING**

The University will recognize unusual secondary school work by means of advanced placement, and will grant credit to those who have taken especially enriched or accelerated courses before entering college or who have appropriate vocational or professional experience. Applicants qualify for such credit by satisfactory achievement on college-approved placement examinations, including the College Board Advanced Placement Tests, CLEP (College Level Examination Program), or faculty-authored challenge examinations. College credit total a maximum of 30 semester credits may be earned by satisfactorily completing such examinations.

Challenge exams can be given only in areas for which there is no CLEP test. Challenge exams must be approved by the responsible division and are to be administered by the department head. The acceptable level of performance is determined by the department. The fee for taking a challenge exam will be \$50.00, to be paid by the school to the writer/proctor, plus a \$25.00 per credit recording fee.

Retroactive credit is available in foreign languages, wherein credit may be given for pre-college foreign language study if the student takes the next highest level of the foreign language at this university and achieves a C or better. The student must request credit for the lower level course(s) that were bypassed.

For further information please contact the Registrar.

## TRANSFER POLICY

Transfer students applying for transfer credit at Concordia University Wisconsin 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 Wisconsin 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.

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.

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.

## Tuition and Fees

Concordia University seeks to keep costs as low as is consistent with sound education requirements and proper provision for the daily needs of the student. Student costs for an education depends also on his/her living and spending habits. Payment of fees is an integral part of the registration. A student will not be fully registered and cannot attend class until full payment of fees has been made. A student will not be permitted to register if previous financial obligations have not been met, nor will any student receive an official statement of credits grades or a degree/diploma if all obligations have not been satisfied.

The University reserves the right to modify fees without advance notice.

### REGULAR FEES

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

### ROOM AND BOARD FEES

Room fees cover the cost of furniture, utilities and maintenance. Board fees pay for meals in the university dining hall during the regular semester, not including vacations. A room security deposit will be assessed to resident students, refundable under the terms of the housing contract after proper checkout, assuming no damage claims.

Students not enrolled for Winterim may apply for room and board on a pro-rated basis.

### SPECIAL FEES

#### Application Fee and Tuition Deposit

The initial application for admission must be accompanied by a non-refundable fee of \$35.00. This is assessed only on the original application and will be applied to the tuition upon enrollment. An applicant, upon receipt of notification of acceptance, is to forward a tuition deposit of \$100.00. It is non-refundable.

#### Special Registration Fee

Students who register at any time other than the appointed registration period are assessed a special fee of \$15.00.

#### 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 fee is charged for each transcript provided.

**Independent Study Fee**

A fee will be assessed for independent study proposals to cover special instructional costs. A full-time student will be assessed \$125 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 \$60/credits if the semester credits are over 18. If the semester credits are fewer than 18, there is no additional fee. A \$60 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. Students who are not enrolled and 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.

**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.
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.

**BUDGET PAYMENT PLAN**

This plan allows a student to pay University fees in convenient monthly payments between May 1 and April 30. The cost of this plan is \$100. There are no other fees or interest charges.

Information concerning this Plan will be forwarded separately. Call Tuition Payment Plan (Sallie Mae) Toll-Free (800) 239-4211, e-mail [paymentadvisor@slma.com](mailto:paymentadvisor@slma.com), or visit [www.cuw.edu](http://www.cuw.edu) for information.

**TUITION REFUND - TRADITIONAL PROGRAM**

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 runs 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 runs 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**

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**STUDENT FINANCIAL AID**

Concordia believes that the talents, hopes and ambitions of our students are among the most valuable resources our church and nation possess. With this in mind, Concordia continues to promote scholarship, loan, and employment opportunities for its qualified, deserving students who must find funds to attend college. The fundamental purpose of the financial aid program at Concordia is, therefore, to make it possible for students who would normally be deprived of a college education because of inadequate funds to attend Concordia. The amount of financial aid awarded is based mainly on the applicant’s financial need. As a general rule the primary financial responsibility lies with the student and parents. Therefore, in order to help determine student need and make it possible to grant aid fairly, the parents of aid applicants are asked to file the Free Application for Federal Student Aid (FAFSA). On the basis of this financial information, the University is able to determine the difference between University costs and the amount a student and parents can reasonably be expected to provide. This difference is defined as need. If a student is independent according to the Federal Department of Education definition, the student would submit a financial statement without parental information.

**GRANTS**

The following grants (non-repayable funds) offered at Concordia are based primarily on the undergraduate student’s demonstrated financial need.

**PELL GRANTS**

A federal Pell Grant provides funds to help pay for higher education. Awards range from \$200 to \$5,550 per year. The actual amount the student receives depends on the financial information reported on the Free Application for Federal Student Aid (FAFSA), whether a full-time or part-time student, and the cost of education. An application must be filed annually through the Office of Financial Aid, Concordia University Wisconsin.

**WISCONSIN TUITION GRANT PROGRAM**

Wisconsin residents attending Concordia are eligible to apply for the Wisconsin Tuition Grant. The purpose of the grant is “to provide the Wisconsin student with greater freedom of education choice, thus enabling students to follow a path of self-development in harmony with their desires and the welfare of society.” The amount of the grant is based on the student’s financial need and the tuition at Concordia. Grants range up to \$2,900 per year. An application should be filed BY APRIL 1ST through the Office of Financial Aid, Concordia University Wisconsin.

**CUW SCHOLARSHIPS**

Concordia does encourage, through scholarships, those students who present a strong composite picture of outstanding academic achievement, unusual diligence, consecrated creativity, and self-sacrificing service.

| Scholarship Stipulation Scholarship                      | Church Vocation Scholarship               | Music Scholarship               | Presidential Scholarship | Regent                |
|--|---|---------------------------------|--------------------------|-----------------------|
| application for financial aid required deadline March 15 | yes                                       | yes                             | yes                      | yes                   |
| full-time student status required                        | yes                                       | yes                             | yes                      | yes                   |
| program of study   | Luth. Social Wk. Pastoral Lay Ministry    | theology education parish music | n/a                      | n/a                   |
| minimum high school GPA/ACT                              | 3.0/18                                    | 3.25/18                         | 3.60/21                  | 3.0/18                |
| annual amount of scholarship                             | up to \$1,200                             | up to \$3,000                   | up to \$11,000           | up to \$7,000         |
| cumulative GPA required for renewal                      | 2.50                                      | 2.50                            | 2.50                     | 2.50                  |
| other requirements                                       | Lutheran Church Missouri Synod membership | participation in music group    | n/a                      | n/a                   |
| contact for possible nomination                          | no one, nomination is automatic           | music department                | admissions department    | admissions department |
| nomination deadline                                      | none                                      | January 15                      | March 15                 | March 15              |

Church vocation scholarships are awarded to eligible students regardless of their grade level. The other scholarships are awarded only to persons entering Concordia for the first time. However, the scholarships may be renewed if renewal criteria are met.

### SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG)

A Federal Supplemental Educational Opportunity Grant (FSEOG) is a grant to help pay for education after high school. It is for undergraduates only and it does not have to be paid back.

Awards range up to \$4,000, depending on need, the availability of FSEOG funds, and the amount of other aid the student is receiving.

FAFSA must be filed annually, are not automatically renewed, and should be made through the Office of Financial Aid, Concordia University Wisconsin.

### CONCORDIA UNIVERSITY GRANTS - SCHOLARSHIPS

Through the generosity of many friends of Concordia University, numerous endowments have been established. The earnings of which financially assist students on the basis of merit and/or need. These grants and scholarships range from \$100 to \$4000 per year. Additional information about the nature of the endowments and program eligibility is available from the Financial Aid Department.

### CONGREGATIONAL GRANTS, Lutheran Church - Missouri Synod

In an indirect way, your congregation is assisting you with your educational expenses. Concordia receives financial support from The Lutheran Church-Missouri Synod of which your congregation is a contributing member. Hence, your tuition at Concordia is about one thousand dollars less than the tuition at most independent colleges.

In addition, many congregations directly assist their students with some educational expenses. Some students receive as much as \$2,000 from their congregation each year; however, the average amount received is closer to \$700.

Concordia encourages you to inquire about possible assistance through your pastor.

### DISTRICT GRANTS

Most districts of The Lutheran Church-Missouri Synod, through their Board of Student Aid and/or Recruitment, provide grants to students preparing for a church vocation. Grants, and on occasion loans, are awarded in amounts ranging from \$100 to \$1000 per year. The contact person and address for your district may be obtained from Concordia, your pastor, or the Lutheran Annual. Application deadlines vary by district.

## SELF HELP

### STUDENT EMPLOYMENT

Campus employment opportunities are available for students who wish to be employed. Generally fifteen hours of work per week should be considered the absolute maximum for full time students. A reasonable amount of employment could possibly improve the scholastic achievement of many students, as well as provide some financial resources for the student. Student employees will be paid via normal pay checks and pay periods. Students interested in on-campus employment can apply via the Falconry web site through the Career Services office. Concordia participates in the Federal Work Study Program, which enhances the opportunities for employment.

## LOANS

In some cases it is advisable for students to borrow in order to finance their education, provided they borrow only what is needed to maintain a minimum living standard. Students should use caution in borrowing and generally should not rely primarily on loans. Students who borrow will need to complete a promissory note for a Direct Student Loan via federal web site or from the Financial Aid Office. This loan program allows students to begin repayment after they graduate or after they discontinue their education. No interest accrues for the subsidized loan while the student is enrolled in school as at least a half-time student. Repayment begins six months after the student terminates his education. Interest then begins at an annual rate of 6.8% or less. A Federal PLUS loan is a program for parents. They may borrow up to the cost of education minus any other financial assistance. The interest rate on PLUS is 7.9% with repayment beginning within 60 days after second disbursement. This program operates through Concordia's Financial Aid Office.

## VETERANS EDUCATIONAL ASSISTANCE

Concordia University in Mequon 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 Milwaukee if they have made no prior claims. If a claim file has already been established, they should file with that particular V.A. office.

## HOW TO APPLY FOR AID

A Free Application for Federal Student Aid (FAFSA) is necessary for application for scholarships, grants, loans, or employment from Concordia. These forms need to be completed annually for possible renewal of financial assistance. The FAFSA is to be completed after January 1 and returned for processing to the address indicated on the FAFSA. Signed copies of you and your parent's previous year's Federal Income Tax Returns are also required if federal verification is required. Within one month after your complete application has been received at Concordia, you will be advised as to the various types of financial assistance for which you are eligible. These include employment, loans, grants, and scholarships administered by Concordia. If you are accepted for admission, a firm financial commitment will be made to you. Students are encouraged to apply as early as they can, applications received by March 30th will receive full consideration for all Concordia assistance which is available. Applications received after that date will be subject to the limitations of available Concordia resources. As a general rule, one half of the grants, scholarships, and loans are applied toward each semester's tuition and fees. If you have any questions or need any forms, write or phone the Financial Aid Office. Detailed information is also available in the form of a fourteen page flipchart on the CUW web site. Any of the above forms are available on the CUW Financial Aid Website.

## 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. The financial aid application must be filed with the Office of Financial Aid by March 30. Late applications will be accepted and funded according to the availability of Concordia funds.
2. Free Application for Federal Student Aid (FAFSA) are encouraged to be filed between January 1 and April 1 in order to assure a timely application.
3. Renewal of scholarships, grants, campus employment, and loans depends upon Financial Aid, and the availability of funds and renewal criterion, including FAFSA results.
4. Any award or any 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.
5. As funds available must be divided among all deserving students, grants, scholarships, employment, or loans may not always be renewed in their original amounts.
6. You must be making satisfactory academic progress as defined below and maintain at least a 2.00 grade point average.

## FINANCIAL AID GOOD STANDING AND SATISFACTORY PROGRESS POLICY

Concordia University Wisconsin 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 is located in the Academic Catalog.

**A. Good Standing:** A student enrolled in Concordia University Wisconsin 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 evaluate 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.

**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):

|                                 |         |                      |         |
|---------------------------------|---------|----------------------|---------|
| Doctorate in Physical Therapy   | 3 years | Bachelor's Degree    |         |
|                                 |         | Education            | 5 years |
| Master's Degree                 | 3 years | All other programs   | 4 years |
| Masters in Occupational Therapy | 6 years | Certificate Programs |         |
|                                 |         | Lay Ministry         | 4 years |
|                                 |         | Medical Assistant    | 1 year  |

**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 CGPA 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.

**E. Appeal Procedure:** Upon receiving a completed Satisfactory Academic Progress (SAP) 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 student who was 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 CGPA 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.

**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. A student's current SAP status is available for review at any time on their CUW portal account.

## 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.

### CHRISTIAN SERVICE AND WORSHIP

Concordia, in its Christian service and worship program, endeavors to give the students a real purpose in life, to believe more firmly in the redemption wrought by Jesus Christ, and to learn to live their lives more fully and more understandingly as constrained by the love of Jesus Christ.

Chapel services are held Monday through Friday, as well as a Sunday morning worship service. Staff, faculty and students participate in these services through songs and messages, chancel dramas and other special presentations, along with guest speakers who have broad backgrounds in Christian service.

Devotions are held in the residence halls and personal Bible study is encouraged. In the classroom environment, faculty members seek to conduct classes emphasizing Christian growth and maturity along with the attainment of academic goals. Numerous opportunities exist on and off campus for students who seek to serve the University and its larger community. A variety of Christian service opportunities help individuals to express service through such related activities as tutoring fellow students, sharing the problems of the aged in area rest homes or joining with local churches in evangelism outreaches.

### CO-CURRICULAR ACTIVITIES

The co-curricular activities of the University are under the supervision of the Vice-President of Student Life. Faculty advisors and/or student leaders in the areas of Spiritual Life and Student Life do most of the planning for co-curricular activities.

Even though co-curricular activities are on a voluntary basis and no college credit is granted, except for specific music activities, students who do participate are afforded the opportunity to explore their leadership potential and learn basic skills of organization, planning, implementation, and evaluation.

Co-curricular activities include lectures, concerts, dances, exhibits, forums, and other social functions. Campus organizations and clubs include religious, music, dramatic, business, nursing and recreational.

Drama is an exciting area of campus life. Productions have included musicals, children's theatre, one-act plays and a variety of other dramatic offerings.

The Concordia student has a wide range of musical activities to choose from. The student can audition for a role in a musical drama and participate in a full range of musical activity in choral, handbell, or instrumental ensembles.

### INTRAMURALS

A healthy balance between mental and physical activity is at the root of Concordia's intramural offerings. Exercise and competition can also help men and women grow and mature, whether possessing many athletic talents or very few. The important result of participation will be fun.

To help make maximum use of leisure time, Concordia provides extensive intramural opportunities through a program of leagues, tournaments, and recreational free play.

### ATHLETICS

Concordia University Wisconsin currently offers a variety of 21 sports on the intercollegiate level.

The Falcons compete in a several conferences and associations. Men's Hockey competes in the Midwest Collegiate Hockey Association, the women compete in the Northern Collegiate Hockey Association, men's lacrosse is a member of the Midwest Lacrosse conference, the women compete in the Midwest Women's Lacrosse Conference, wrestling is a

member of the Midwest Wrestling Association, and the remaining sports all participate in the Northern Athletics Conference.

Both the men and women's teams have enjoyed success in their respective conferences. The Falcons have an excellent coaching staff and a rapidly growing, competitive athletic program.

The entire Concordia Athletic Department is governed by the NCAA Division III as of August 31, 1997.

## HOUSING

Residence halls at Concordia are in a real sense living/learning centers. They are minicommunities largely directed and managed by students serving in the capacities of Resident Assistants. A Resident Director for each residence hall serves in a supervisory capacity and is responsible to the Director of Residence Life.

The University provides a desk, chair, wardrobe, bed, and micro-fridge. The resident must furnish his/her own desk lamp, blankets, linens, pillows, towels, and toilet articles. Students who desire to stay in University housing should obtain further information from the Office of Residence Life. Each resident must make application for housing and sign a housing contract before taking up residence.

## GUIDANCE AND COUNSELING

At Concordia University every student receives personal consideration and attention. Each student receives the benefit of personal academic advising from a specific assigned faculty member. A Director of Counseling supervises the counseling activities on the campus. The director serves as a counselor for students desiring personal counseling. Students are referred to agencies in the community as individual need warrants.

## HEALTH SERVICES

The University's concern for holistic growth and general well being of the campus community is further demonstrated through the maintenance of a health service. The professional services of a registered nurse, nurse practitioner, or medical assistant are contracted on a part-time basis.

The Health Service is operated at set hours for evaluation and treatment of minor illness, first aid, and consultation regarding health matters. A physician serves as a consultant and for referral. The Health Service instructs and supplies selected personnel with materials for dealing with minor problems. Serious illness and emergencies are referred to local professional health care agencies.

All Concordia students are encouraged to carry adequate health and accident insurance, either through the university or individual policies. Varsity athletes are required to show evidence of adequate coverage as a prerequisite for varsity participation. International students are also required to show evidence of adequate medical insurance coverage.

The Athletic Training Department works in conjunction with the Health Center for the health and well-being of Concordia's students, staff, and faculty. The Athletic Training Department is staffed by Board Certified Athletic Trainers, as well as student workers who are pursuing certification by the National Athletic Trainers' Association Board of Certification.

The Athletic Training Department offers first aid and rehabilitative care for soft tissue and bone injuries as well as after various orthopedic surgical procedures. Students, faculty, and staff can utilize this care by calling 243.4369 or stopping by the athletic training facility at the north end of the fieldhouse to make an appointment. Following a thorough evaluation of the injury or complaint, a plan for rehabilitative care will be provided. Modalities such as ultrasound, hydrocollators, and electric stimulation may be utilized to assist with the plan of care, along with specific exercises, flexibility, and functional assessment and correction.

## BOOKSTORE

The CUW Bookstore is located in the Student Union. Textbooks, supplies, greeting cards, clothing, gifts, and personal drug store items can be purchased in the CUW Bookstore. Also available for delivery are special order balloon and gift packages. Textbooks are available to purchase one week before classes begin each semester. Also, textbooks can be reserved on the bookstore web site approximately one month prior to the start of the fall and spring semester for undergraduate classes. Textbook buybacks take place twice each semester. One buy back takes place mid semester, and the other takes place during finals week at the end of each semester. An outside company performs textbook buybacks and also determines the price in which students receive for textbooks from each buyback.

For a listing of hours, questions, or additional information, contact the CUW Bookstore at 262-243-4349.

## COMPUTING FACILITIES

Concordia University Wisconsin has a number of student computer laboratories available for general usage. Computer lab and e-mail access is free to all CUW students who fill out the appropriate form and agree to abide by the university's ethical use guidelines established for computer users. Laser printing is also free of charge. All of our computers are connected to the internet.

Over 200 current PC's and Mac's are available for student use in six labs and other specified locations on campus. Some labs are open to students 24 hours a day 7 days a week. Concordia's labs provide a variety of popular software application packages.

## MAIL SERVICES

Individual mailboxes, located on the lower level of Heidelberg Hall, 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 # \_\_\_\_\_  
 700 W. Highland Rd. Mequon, WI 53092-3304

Stamp sales and other outbound mailing and shipping services are also available to the campus community in lower Stuenkel Hall.

## PLACEMENT

Concordia University appoints several staff members as placement officers as an integral part of its service to students and graduates. Careful efforts are made to match the talents and desires of the student with the special needs of the prospective employer. Academic advisors or program directors considering the career goals of the student will refer the candidate to the appropriate placement officer.

## LEARNING RESOURCE CENTER

The Learning Resource Center (LRC) provides a variety of free services that aim to increase students' academic success. The LRC houses tutoring, the Supplemental Instruction program, the Writing Center, and Disability Support Services.

**Tutoring** – One-to-one tutoring is available for most courses. Tutors are typically upperclassmen who have demonstrated mastery of the course subject matter.

**Supplemental Instruction (SI)** – SI is an internationally renowned program that facilitates peer-led, structured group study sessions. SI is associated with traditionally difficult courses, and is available to students of all ability levels.

**Writing Center** – Writing Center consultants work with students at any stage of the writing process. For example. Consultants will work one-on-one with students to generate topic ideas, gather support for the thesis, check documentation formatting, and evaluate the paper for organization and clarity.

**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.

## LIBRARY

The Library has the primary goal of meeting the information needs of CUW students as they participate in the University's programs of study in pursuit of Christian education at the undergraduate and graduate levels. The Library works together with the faculty and administration to select, acquire, and make available materials and resources consistent with fulfilling the University's mission of providing excellence in Christian education.

## The Office of International Student Services (OISS) & Study Abroad

### NATURE AND SCOPE OF THE OFFICE

OISS provides students with opportunities to study away from the Concordia University Wisconsin campuses. 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 CUW; 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.

## Academic Policies

### 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, a Bachelor of Science degree, or a Bachelor of Social Work

**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 Vice President 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:

|           |                 |
|-----------|-----------------|
| Freshman  | 0 - 29          |
| Sophomore | 30 - 59         |
| Junior    | 60 - 89         |
| Senior    | 90 - graduation |

### STUDENT COURSE LOAD FOR FULL-TIME STUDENT

|                  | Minimum | Average | Maximum |
|------------------|---------|---------|---------|
| Regular Semester | 12      | 15      | 18      |
| Winterim         | 2       | 3       | 4       |
| Summer           | 3       | 6       | 9       |

### ACADEMIC ADVISING

Upon matriculation to the University, each degree student is assigned a faculty/staff member as his/her personal academic advisor. Advisors are constantly kept informed of changes in the curriculum and thus are in a good position to help their advisees make decisions relating to their academic needs. However, it remains the responsibility of the student to ascertain that he or she is meeting all the requirements of the program and for the degree.

The advisor has both the professional training and responsibility to offer sound advice to his/her advisees. All questions relating to a student's academic program at the University should be directed to their academic advisor. Prior to the assignment, additional information about the academic advisor/advisee responsibilities or advising resources may be found on the CUW website at [www.cuw.edu](http://www.cuw.edu).



## 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 behavioral 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.

## GRADING

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 systems 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, (see policy on incomplete grades below)   |
| 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 |    |  |

## GRADE CHANGES

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, 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 freshman may elect exemption from only one such examination; all others may elect a maximum of two each 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 Senior Vice President of Academics 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.

## INDIVIDUAL INSTRUCTION/INDEPENDENT STUDY PROPOSALS

Independent study proposals must be processed 60 days prior to the beginning of the new semester.

## 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 not normally given to students or alumni, but are mailed directly to institutions or persons considering the applicant for admission or for employment.

An "Unofficial" transcript is one given 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.cuw.edu](http://www.cuw.edu)

## CLASS ADDS-DROPS

A student may add a course before no more than 15% of the scheduled class periods have occurred. The table below is a guide for the various courses and the maximum times of meeting after which registrations are not permitted. Consent of the instructor must also be secured.

| Course Credit | Value Class Periods |
|---------------|---------------------|
| 1/2           | 1                   |
| 1             | 2                   |
| 2             | 4                   |
| 3             | 6                   |
| 4             | 8                   |
| 5             | 10                  |

A regular semester class may be dropped without penalty through the end of tenth week of class (for seven week classes - end of the fifth week). Failure to withdraw from a class will result in a WF grade.

A full-time student may register through the last day of the first full week (5 days) of classes in the semester. The instructor's signature is required after the first week.

## CHANGE OF NAME OR ADDRESS

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

## ACADEMIC HONORS

### The Vice President of Academics' Scholastic Honors List

The Vice President of Academics' Scholastic Honors 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.

### Graduation with Honors

A candidate who achieves a cumulative grade point average of 3.90 or better will be graduated **Summa Cum Laude**; one who achieves a cumulative grade point average of 3.80 or better will be graduated **Magna Cum Laude**; and one who achieves a cumulative grade point average of 3.60 or better will be graduated **Cum Laude**.

### Awards

Concordia considers it right and proper to recognize through special awards unusual proficiency and performance in a certain area of learning as well as in worthwhile and purposeful co-curricular activity. Many such awards are given annually to students who have demonstrated exceptional achievement or who have made unusual contributions. From time to time, friends of Concordia have established such awards and have usually stipulated conditions under which the respective award should be given. Since in these instances the recognition aspect is more important than the financial element, Concordia has listed these as awards rather than scholarships. Such awards include:

|  |  |
|--|--|
| Walter W. Stuenkel Award   | American Bicentennial Award in Business Administration |
| E.R. Brann Citizenship Award   | Nightingale Nursing Award                              |
| Science Awards   | Charles W. Finke Health and Human Performance Award    |
| William Schickard Award in Computer Science                            | Marsha Konz Student Educator Award                     |
| Moeller Award in English, German, Greek,<br>Hebrew, Latin, and Spanish | Marsha Konz Graduate Educator Award                    |
| Religion Award   | Zondervan Publishing House Award in Greek              |
| Northup-Bartelt Memorial Music Award                                   | Student Life Awards                                    |
| Wall Street Journal Award  | Charles W. Finke Physical Education Award              |

## ACADEMIC STANDING, PROBATION, AND DISMISSAL

In general, a student is considered in good academic standing if s/he maintains a cumulative grade point average of 2.0 or higher. Academic standing is assessed at the end of each semester. If one's cumulative grade point average dips below 2.0, s/he is placed on academic probation. Once a student is on academic probation, s/he must achieve at least a 2.0 grade point average each semester or s/he will be dismissed from the university. In general, students must have a 2.0 grade point average 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.

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 the university may schedule an appeal with the Academic Appeals Committee (AAC) 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 ACC 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.

## GRADUATION

Concordia University confers the degree of Bachelor of Arts, Bachelor of Science or Bachelor of Social Work 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 before registering for the final semester.
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 CUW to anticipate receiving their degree.

## WITHDRAWAL FROM THE UNIVERSITY

Students who wish to withdraw from the University during a term must notify the Director of Academic Advising and Retention Services. If withdrawal is authorized, the student will receive the notation “W” on their permanent academic record for each course in which they are in good academic standing; for each course, in which the student is doing failing work, they 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 Vice President of Student Life.

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 Vice President of Enrollment Services.

## 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 maximum.

## Academic Programs

### ACCREDITATION

Concordia University is accredited by the Higher Learning Commission, and a member of the North Central Association of Colleges and Schools.

The Higher Learning Commission  
230 South La Salle Street, Suite 7-500, Chicago, IL 60604-1413  
(312) 263-0456, [www.ncahigherlearningcommission.org](http://www.ncahigherlearningcommission.org)

The elementary and secondary teacher education programs are approved by the Wisconsin State Department of Public Instruction. Graduates may be appropriately placed in private or public institutions.

The nursing program is approved by the Wisconsin State Board of Nursing and the National League for Nursing.

The following agencies have accredited various programs of Concordia University Wisconsin:

Accreditation Council for Occupational Therapy Education (ACOTE)  
 of the American Occupational Therapy Association (Graduate Occupational Therapy)  
 Commission on Accreditation of Allied Health Education Programs (Undergraduate Medical Assisting)  
 Commission on Accreditation of Physical Therapy Education (Graduate Physical Therapy)  
 Commission on Collegiate Nursing Education (Undergraduate & Graduate Nursing)  
 Council on Social Work Accreditation (Undergraduate Social Work)  
 Joint Review Committee on Educational Programs in Athletic Training and the commission on  
 Accreditation of Allied Health Education Programs (Athletic Training Education Program)  
 Joint Review Committee on Education in Radiologic Technology (Undergraduate Radiologic Technology)  
 National League for Nursing Accrediting Commission (Undergraduate & Graduate Nursing)  
 Wisconsin Department of Public Instruction (Undergraduate & Graduate Teacher Education)  
 Wisconsin State Board of Nursing (Undergraduate Nursing)

## THE BACCALAUREATE DEGREE

The curriculum design for the baccalaureate degree normally consists of four parts:

1. The core curriculum - 48 credits
2. A major - minimum of 30 credits

|                           |                          |                          |                           |
|---------------------------|--------------------------|--------------------------|---------------------------|
| Accounting                | Economics                | Interior Design          | Political Science         |
| Actuarial Science         | Elementary Education     | International Business   | Pre-Seminary Studies      |
| Art                       | English                  | Justice & Public Policy  | Physical Education (K-12) |
| Art Education (K-12)      | Environmental Studies    | Lay Ministry             | Psychology                |
| Athletic Training         | Environmental Health and | Management               | Public Relations          |
| Biblical Languages        | Water Quality Technology | Marketing                | Radiologic Technology     |
| Biology                   | Exercise Physiology      | Mass Communication       | Rehabilitative Science    |
| Biomedical Sciences       | Finance                  | Mathematics              | Secondary Education       |
| Business Communication    | General Business         | Missions                 | Social Work               |
| Business Education K-12   | German                   | Multimedia Communication | Spanish                   |
| Computer Information      | Graphic Design           | Music                    | Special Education         |
| Sciences                  | History                  | Music Education (K-12)   | Sport & Recreation        |
| Computer Science          | Horticulture             | Natural Science          | Management                |
| Chemistry                 | Humanities               | Nursing                  | Theological Languages     |
| Diagnostic Medical        | Illustration             | Parish Music             | Theology                  |
| Sonography                | Individualized           | Philosophy               |                           |
| Early Childhood Education | Information Technology   | Photography              |                           |

Refer to the Table of Contents on page 1 for more information on these majors and minors.

3. A minor - minimum of 18 credits (21 cr. minimum for Education majors). Must be different than major.

|                        |                              |                          |                             |
|------------------------|------------------------------|--------------------------|-----------------------------|
| Accounting             | English                      | Legal Studies            | Science Education           |
| Adaptive Education     | English as a Second Language | Management               | Social Science              |
| Art                    | Environmental Science        | Marketing                | Social Studies              |
| Athletic Coaching      | Environmental Studies        | Mass Communication       | Social Welfare              |
| Biology                | Finance                      | Mathematics              | Spanish                     |
| Business Communication | General Business             | Missions                 | Speech Communication        |
| Chemistry              | German                       | Multimedia Communication | Sport Recreation Management |
| Christian Thought      | Health Education             | Music                    | Theological Languages       |
| Computer Information   | History                      | Philosophy               | Theology                    |
| Sciences               | Human Resource Management    | Psychology               | Urban Education             |
| Computer Science       | Humanities                   | Political Science        | Women's Studies             |
| Economics              | Individualized               | Public Relations         | Youth Ministry              |
| Educational Studies    | Lay Ministry                 | Science                  |                             |

4. Electives to reach a minimum total of 126 credit hours, which is the required minimum to receive a bachelors degree from Concordia University Wisconsin.

**THE CORE CURRICULUM**

**The Common Core**

All students take these particular courses, for a total of 15 credits.

|                    |             |                                       |             |
|--------------------|-------------|---------------------------------------|-------------|
| Writing            | (3 credits) | Civilization & Worldviews: History    | (3 credits) |
| Bible Content      | (3 credits) | Civilization & Worldviews: Literature | (3 credits) |
| Christian Doctrine | (3 credits) |                                       |             |

**The Narrative Core**

In each category, students choose from several courses which satisfy that particular competence, for a total of 12 credits

|  |             |                                    |             |
|--|-------------|------------------------------------|-------------|
| Communications (Speech, Interpersonal) | (3 credits) | Citizenship (Pol. Sci., Economics) | (3 credits) |
| Culture                                | (3 credits) | Philosophical Foundations          | (3 credits) |

**The Distributive Core**

Students choose from a range of courses, in light of their interests and program requirements, for a total of 21 credits]

|               |             |                    |             |                   |             |
|---------------|-------------|--------------------|-------------|-------------------|-------------|
| Mathematics   | (3 credits) | Physical Education | (2 credits) | Social Science    | (3 credits) |
| Creative Arts | (3 credits) | Lab Science        | (4 credits) | Theology Elective | (3 credits) |
| Language      | (3 credits) |                    |             |                   |             |

**ASSOCIATE IN ARTS DEGREE**

**I. CORE CURRICULUM 36 crs.**

- Liberal Arts Preparation — 3 crs.
- Theology — 6 crs.
- Communications — 6 crs.
  - Introduction to Writing — 3 crs.
  - Public Speaking — 3 crs.
- Social Science — 3 crs.
  - General Psychology or Introduction to Sociology or Interpersonal Communication — 3 crs.
- Humanities — 6 crs. (Choose Two Areas)
  - History or Literature or Creative Arts Elective — 3 crs.

- Cross Culture Course — 3 crs.
  - Cultural Geography, Anthropology, Non-Western History, OR Foreign Language
- Science elective (with Lab) — 4 crs.
- Mathematics/Computer Science elective — 3 crs.
- Physical Education — 2 crs.
  - Introduction to Lifetime Fitness — 1 cr.
  - Physical Education Activity elective — 1 cr.

**II. PROFESSIONAL COLLATERAL Minimum 27 crs.**

**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:**

- Social Sciences — 9 Credits  
(History, political science, sociology, psychology, anthropology, cultural geography, cross-cultural studies, economics)
- Humanities and The Arts — 6 Credits  
(Literature, music, art, drama, dance, philosophy)
- Mathematics and Communication — 6 Credits

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

Theology — 6 Credits

Science — 4 Credits  
(Biology, chemistry, geology, geography, astronomy, physics or physical geography with a lab)

**Total Transfer Core Requirement — 31 Credits**

## RESERVE OFFICER TRAINING CORPS

### Air Force Reserve Officers Training Corps

Concordia University students have the opportunity to fully participate in the Air Force Reserve Officers Training Corps program. Students enrolled in the Air Force ROTC program attend AFROTC courses at Marquette University.

Through the program, Concordia offers its students the opportunity to prepare for initial active duty assignments as Air Force Commissioned Officers. In order to receive a commission, AFROTC cadets must complete all university requirements for a degree and courses specified by the Air Force. AFROTC offers four-, three-, two-, and one-year programs leading to a commission as an Air Force officer. Four-year program students complete the general military course, the professional officer course, in addition to a four-week summer field training between their second and third years in the program. Two-year students complete only the professional officer course. One-year students complete a seven-week field training session.

**AFROTC College Scholarship and Scholarship Actions Programs:** These programs provide scholarships to selected students participating in AFROTC. While participating in AFROTC, students receive \$250-400 per month along with paid tuition, fees, and a fixed textbook reimbursement.

For more information, contact the Department of Aerospace Studies at Marquette University (414) 288-7882.

### 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 Marquette University. This program prepares Concordia University students for commissions in the U.S. Army, Army National Guard, or the U.S. Army Reserve.

There are two program options a four- or two-year program. The four-year program is divided into two phases: the basic course (taken during the freshman and sophomore years) and the advanced course (taken during the junior and senior years). The two-year program is designed for students at four-year institutions who did not take AROTC during the first two years of college, students entering a postgraduate course of study, or students who have prior military service. Students enrolling in the advanced course who have not taken the basic course will begin their training with a five-week paid summer session at Fort Knox called the Leader's Training Course or a one-week program held at Marquette called Accelerated Cadet Commissioning Training.

The Army offers a number of scholarship opportunities to Concordia University students enrolled in the ROTC program. There are two-year, three-year, and four-year active duty scholarships as well as two-year U.S. Army Reserve and National Guard scholarships available. These scholarships are awarded on a competitive basis by the Department of Military Science at Marquette University and can be applied to tuition expenses at Concordia University. In addition to the scholarships, all contracted students in the advanced course receive a \$250-400 monthly stipend.

Prospective students interested in the Army ROTC program are encouraged to visit the Army ROTC website [www.armyrotc.com](http://www.armyrotc.com), the Marquette Army ROTC website [www.mu.edu/rotc/army/html](http://www.mu.edu/rotc/army/html), or contact our Enrollment and Scholarship Officer at Marquette University (414) 288-2046.

## COOPERATIVE PROGRAMS

Concordia University Wisconsin enables students to enrich their academic preparation by taking courses at other higher education institutions with which CUW 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 AND 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 Academic Council for evaluation and recommendation. Final action rests with the Vice President of Academics. If approved, a copy of the plan must be filed in the student's records by the Registrar.

# School of Arts and Sciences

## Art

### ART MAJOR 61 crs.

The Art Major consists of 61 credit hours of course work including a wide variety of studio courses, and courses in art history, aesthetics, and portfolio preparation. Art majors experiment with a variety of materials and techniques to encourage artistic and cognitive growth while mastering media as means of personal expression. In addition to the 48-credit Liberal Arts core requirements and required courses listed below, all art majors must complete requirements for a minor. A Business or Marketing Minor is strongly recommended to help students develop the skills they will need to channel their talents into a successful career. Program requirements include purchase of a Mac laptop (available at reduced prices via my.cuw.edu).

#### Required Courses — 46 crs.

GD 100 Digital Design I — 3 crs.  
 ART 110/111 Design Fundamentals **OR**  
 2D Composition — 3 crs.  
 ART 131 Photography I — 3 crs.  
 ART 145 Drawing for Art Majors — 3 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 265 Acrylic Painting — 3 crs.  
 ART 275 Sculpture I — 3 crs.  
 ART 285 Art History I — 3 crs.  
 ART 286 Art History II — 3 crs.  
 ART 290-298 Applied Design — 3 crs.  
 ART 365 Watercolor Painting — 3 crs.

PHIL 381 Aesthetics — 3 crs.  
 ART 450 Senior Portfolio/Show — 1 cr.

#### Concentration — 6 crs.

ART 401/402 Independent studio work in  
 area of concentration

#### Electives — 9 crs.

*Choose 6 credits from the following:*  
 ART 222 Outdoor Drawing & Painting — 3 crs.  
 ART 231 Photography II — 3 crs.  
 ART 276 Sculpture II — 3 crs.  
 ART 225 History of Architecture — 3 crs.  
 ART 290-298 Applied Design — 3 crs.  
 ART 430 Art Internship

### ART MINOR (non-licensable) 19 crs.

The Art Minor is chosen by majors from many fields. An art minor is particularly of value to majors in Elementary Education, Early Childhood Education, or Communication. Students pursuing the Art Minor take a variety of studio courses and complete work in art history. In addition to the 48-credit Liberal Arts core requirements, art minors complete the following courses.

#### Required Courses — 19 crs.

ART 110 Design Fundamentals — 3 crs.  
 ART 145 Drawing for Art Majors — 3 crs.  
 ART 151 Introduction to Studio Art — 3 crs.  
 ART 210 3D Design — 3 crs.  
 ART 285 or 286 Art History I or II — 3 crs.  
 ART 290-295 Applied Design — 3 crs.  
 ART 450 Senior Show — 1 cr.

### ART EDUCATION (K-12) MAJOR 103 - 109 crs.

The Art Education Major consists of 101-107 credit hours of course work, dependent upon whether the student chooses a public school or Lutheran education focus. In both cases coursework blends studio and education courses to fully prepare students for a rewarding career in art education. Upon successful completion of all coursework, including a semester of student teaching, art education majors earn full licensure by the State of Wisconsin to teach art at the elementary and secondary levels (K-12). Program requirements include purchase of a Mac laptop (available at reduced prices via my.cuw.edu). In addition to requirements for the 52-credit K-12 Education core, art education majors complete the following required coursework in the areas of art, education, and art education.

**Required Art Department Courses — 42 crs.**

ART 145 Drawing I (for Art Majors) — 3 crs.  
 ART 110/111 Design Fundamentals **OR**  
 2D Composition — 3 crs.  
 ART 131 Photography 1 — 3 crs.  
 GD 100 Digital Design 1 (**OR** GD 110  
 Graphic Design I) — 3 crs.  
 ART 210 3D Design — 3 crs.  
 ART 230 Printmaking 1 — 3 crs.  
 ART 245 Drawing 11 — 3 crs.  
 ART 258 Ceramics 1 — 3 crs.  
 ART 265 Acrylic Painting — 3 crs.  
 ART 275 Sculpture 1 — 3 crs.  
 ART 285 Art History 1 — 3 crs.  
 ART 286 Art History 11 — 3 crs.  
 ART 290-298 Applied Design — 3 crs.  
 ART 381 Aesthetics — 3 crs.

**Electives/Focus — 6 crs.**

Choose 6 credits from studio art offerings

**Art Education & K12 Education****Requirements — 40 crs.**

AE 102 Foundations of Art Education — 3 crs.  
 ED 203 Educational Technologies — 1 crs.  
 AE 235 Elementary Art Education Theory & Practice — 3 crs.  
 AE 237 Strategies for Mainstreaming in Art Education — 1 crs.  
 AE 335 Secondary Art Education Theory & Practice — 3 crs.  
 AE 340 Curriculum Design for Art Education — 3 crs.  
 AE 342 Art Education: Studio Practices I — 3 crs.  
 AE 343 Art Education: Studio Practices II — 3 crs.  
 PSY 221 Child Development — 3 crs.  
 ED 230 Nature of the Exceptional Child — 3 crs.  
 ED 350 Teaching in the Middle School — 3 crs.  
 ED 370 Analysis of Instruction — 3 crs.  
 ED 383 Communication Arts in the Content Areas — 3 crs.  
 ED 409 Instructional Technologies — 1 crs.  
 ED 411 Professional Ethics — 3 crs.  
 ED 414 Portfolio Completion — 1 crs.

**Field Experiences — 15 crs.**

ED 211 Clinical I: General — 1 crs.  
 ED 212 Clinical [I: Multicultural — 1 crs.  
 ED 213 Clinical III: Special Education — 1 crs.  
 ED 433 Student Teaching Placement #1 — 6 crs.  
 ED 434 Student Teaching Placement #2 — 6 crs.

**Lutheran Church Missouri Synod (LCMS) Education — 6 crs.**

REL 203 New Testament — 3 crs.  
 REL 404 Lutheran Confessions — 3 crs.  
 Note: REL 203 may also be counted within Core Requirements

**GRAPHIC DESIGN MAJOR 64 crs.**

The Graphic Design Major consists of 64 credit hours of course work, 18 of which are completed through a cooperative program with the Milwaukee Institute of Art & Design (MIAD). MIAD is just a 25-minute drive from our Mequon Campus and offers the very latest in graphic design technologies. A student graphic design lab is available on the Concordia University campus for students completing course work at MIAD. In addition to the 48-credit Liberal Arts core requirements and required courses listed below, all graphic design majors must complete requirements for a minor. A Business or Marketing Minor is strongly recommended to help students develop the skills they will need to channel their talents into a successful career. Program requirements include purchase of a Mac laptop (available at reduced prices via my.cuw.edu). *For specific information about MIAD courses please visit the MIAD website at [www.miad.edu](http://www.miad.edu).*

**Required Courses (Concordia Campus) — 43 crs.**

GD 110 Graphic Design I — 3 crs.  
 GD 111 Graphic Design II — 3 crs.  
 ART 141 or 145 Drawing — 3 crs.  
 ART 111 2D Composition **OR**  
 ART 110 Design Fundamentals — 3 crs.  
 ART 131 Photography I — 3 crs.  
 ART 210 3D Design — 3 crs.  
 ART 285 Art History I — 3 crs.  
 ART 286 Art History II — 3 crs.  
 ART 310 History of Design — 3 crs.  
 GD 360 Web Design I — 3 crs.  
 GD 361 Web Design II — 3 crs.

**GD 370 Communication Design:**

Workflow & Production — 3 crs.  
 GD 460 Graphic Outlook I — 3 crs.  
 GD 461 Graphic Outlook II  
 (or ART 430 Internship) — 3 crs.  
 ART 450 Senior Portfolio/Show — 1 crs.

**Electives (Concordia Campus) — 3 crs.**

Any ART elective — 3 crs.

**Required Courses (MIAD Campus) — 18 crs.**

F111 Visual Dynamics 2 (Color, Light & Time) — 3 crs.  
 DS 200 Communication Design I — 3 crs.  
 DS 201 Communication Design II — 3 crs.  
 DS 202 Typography I — 3 crs.  
 DS 203 Typography II — 3 crs.  
 MIAD Elective (Graphic Design) — 3 crs.



**ILLUSTRATION MAJOR 61 crs.**

The Illustration Major consists of 61 credit hours of course work, 18 of which are completed through a cooperative program with the Milwaukee Institute of Art & Design (MIAD). MIAD is just a 25-minute drive from our Mequon Campus and offers the very latest in illustration concepts and technologies. Successful candidates for the Illustration Major should have exceptional drawing ability. In addition to the 48-credit Liberal Arts core and required courses listed below, all Illustration Majors must complete requirements for a minor. A Business or Marketing Minor is strongly recommended to help students develop the skills they will need to channel their talents into a successful career. Program requirements include purchase of a Mac laptop (available at reduced prices via [my.cuw.edu](http://my.cuw.edu)). *For specific information about MIAD courses please visit the MIAD website at [www.miad.edu](http://www.miad.edu).*

**Required Courses (Concordia Campus) — 37 crs.**

ART 111 2D Composition **OR**  
 ART 110 Design Fundamentals — 3 crs.  
 ART 131 Photography I — 3 crs.  
 ART 145 Drawing for Art Majors — 3 crs.  
 GD 110 Graphic Design I — 3 crs.  
 GD 111 Graphic Design II — 3 crs.  
 ART 210 3D Design — 3 crs.  
 ART 230 Printmaking I — 3 crs.  
 ART 245 Drawing II — 3 crs.  
 ART 265 Acrylic Painting — 3 crs.  
 ART 285 Art History I — 3 crs.  
 ART 286 Art History II — 3 crs.  
 ART 345 Drawing III — 3 crs.  
 ART 450 Senior Show/Portfolio — 1 crs.

**Electives (Concordia Campus) — 6 crs.**

ART 401 Independent Studio Work — 3 crs.  
 ART 402 Independent Studio Work — 3 crs.  
*Any other studio art course as approved by advisor*

**Required Courses (MIAD Campus) — 18 crs.**

DS 210 Illustration I — 3 crs.  
 DS 211 Illustration II — 3 crs.  
 DS 212/213 Illustration Media — 3 crs.  
 DS 214 Figure Drawing for Illustrators — 3 crs.  
 DS 215 Advanced Figure Drawing  
 for Illustrators — 3 crs.  
 AH 213 History of Modern &  
 Contemporary Design — 3 crs.

**INTERIOR DESIGN MAJOR 46 crs.**

The Interior Design Major consists of course work completed through a cooperative program with Milwaukee Area Technical College (MATC). MATC-Mequon Campus is just a 5-minute drive from Concordia and offers twounique choices to prepare students for an exciting career designing residential and commercial interiors; Interior Design Foundations and Interior Design Specializations. In addition to the 48-credit Liberal Arts core requirements (completed on the Concordia Campus) and required courses listed below, all interior design majors must complete requirements for a minor. To develop skills necessary for the most successful career, an Art or Business minor is strongly recommended. Students selecting the Business Minor should work closely with their advisor regarding appropriate core source choices.

*For specific information about MATC courses, please visit the MATC website at <http://oncampus.matc.edu/catalog/index1.htm>.*

INDSGN-100 Introduction to Interior Design - 3 crs.  
 INDSGN-102 Basic Architectural Drawing - 3 crs.  
 INDSGN-104 Interior Elements of Building Construction - 3 crs.  
 INDSGN-106 Interior Design Process - 2 crs.  
 INDSGN-108 Residential Studio - 3 crs.  
 INDSGN-110 Advanced Architectural Drawing - 3 crs.  
 INDSGN-112 Textiles: Science, Application and Design - 3 crs.  
 INDSGN-114 Color and Light - 3 crs.  
 INDSGN-116 Kitchen and Bath Design - 3 crs.  
 INDSGN-118 Commercial Studio - 3 crs.  
 INDSGN-120 Professional Practice and Field Experience - 3 crs.  
 INDSGN-122 Styles of Furniture and Architecture - 3 crs.  
 INDSGN-124 Advanced Commercial Studio - 3 crs.  
 INDSGN-126 Trends in Interior Design - 2 crs.  
 INDSGN-128 Designer/Client Relationships - 3 crs.  
 INDSGN-130 Portfolio Development and Application - 3 crs.

**PHOTOGRAPHY MAJOR 52 crs.**

The Photography Major consists of 52 credit hours of course work, 18 of which are completed through a cooperative program with the Milwaukee Institute of Art & Design (MIAD). MIAD is just a 25-minute drive from our Mequon Campus and offers the very latest in photographic concepts and technologies. Photography students have access to darkroom facilities on the Concordia campus and MIAD campus. In addition to the 48-credit Liberal Arts core and required courses listed below, all photography majors must complete requirements for a minor (18-21 credits). To help students develop vital skills for a successful career in photography, recommended minors are Multimedia, Marketing or Business. Program requirements include purchase of a Mac laptop (available at reduced prices via my.cuw.edu).

*For specific information about MIAD courses please visit the MIAD website at [www.miad.edu](http://www.miad.edu).*

**Required Courses (Concordia Campus) — 31 crs.**

ART 111 2D Composition **OR**  
 ART 110 Design Fundamentals — 3 crs.  
 ART 131 Photography I — 3 crs.  
 GD 111 Graphic Design II — 3 crs.  
 ART 230 Printmaking I — 3 crs.  
 ART 231 Photography II — 3 crs.  
 ART 285 Art History I — 3 crs.  
 ART 286 Art History II — 3 crs.  
 ART 383 History of Photography — 3 crs.  
 ART 401/402 Independent Work in Photography — 6 crs.  
 ART 450 Senior Portfolio/Show — 1 crs.

**Electives (Concordia Campus) — 3 crs.**

*Choose 3 credits from the following:*  
 COMM 329 History of Film — 3 crs.  
 ART 430 Field Study/Internship — 3 crs.

**Required Courses (MIAD Campus) — 18 crs.**

FA 290 Lighting — 3 crs.  
 FA 291 Printing Processes — 3 crs.  
 FA 293 Photography Electives — 3 crs.  
 FA 382 Color Photography — 3 crs.  
 FA 390 Photographic Problems — 3 crs.  
 FA 391 Contemporary Photographic Issues — 3 crs.

**Communication****39-40 crs.**

**OUR MISSION:** To help students in Concordia's Communication Department grow in their understanding and application of communication skills for service to Christ in the Church and the world.

**COMMUNICATION VOCATIONS:** The Communication Department prepares graduates for media, non-profit, government or corporate jobs. A listing of recent graduates' career placements is available on the Communication Department website.

**MAJORS:** Students majoring in Communication earn a total of 39-40 credits in one of four majors including Mass Communication, Public Relations, Multimedia Communication or Business Communication. Students majoring in Communication take 18 credits in the Communication Core and 21-22 credits in the major they choose. The Communication Core emphasizes writing, speaking, interpersonal, and small-group communication skill. Students will apply theoretical and practical knowledge in a senior seminar project and by participating in a 3-4 credit internship.

The **Business Communication Major/Minor** is for students that want a non-financial communication-skills career in nonprofit or corporate organizations; *it is not a Business Major or part of the Business program and does not require accounting, economics, finance, or money management classes.* Students pursuing "people skills" jobs that require good communication can gain proficiency in team building, managing conflict, interviewing, negotiating, writing clear and persuasive messages, giving presentations, and using communication to motivate employees and satisfy customers.

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 **Public Relations Major/Minor** gives students skills pertaining to careers in public relations, event planning, news editing, and image management. Web design and journalistic skills are developed. Students write articles for the school's newspaper, The Beacon.

Finally, our **Multimedia Major/Minor** challenges students with innovative technology associated with film and video production, animation, and multimedia production. Student-made productions showcase the marketable skills learned in this hands-on, highly practical major. ***Students in this program are required to purchase a Macintosh computer and software (at educational discount) for multimedia production;*** the cost is approximately \$3,000 and may be eligible for financial aid as a tuition expense.

**MINORS:** The Communication Department *offers five minors for students majoring in a non-Communication field.* Each of our four tracks (Business Communication, Mass Communication, Public Relations, and Multimedia) may be taken as a minor by students regardless of their major. Finally, a 21-credit Speech Communication Minor licensed by the Department of Public Instruction is offered through our Education Division in association with their Elementary and Secondary Education program. (See School of Education.)

**COMMUNICATION CORE 18 crs. (Required for all 4 Majors)**

All Communication majors take the Common Core and choose at least one of four specializations (Business Communication, Mass Communication, Public Relations, or Multimedia) as their major. They may double major by completing a second specialization among those below. Each of the four specializations may be selected as a minor by students majoring in a non-Communication major. Classes required in more than one major/minor may be used to “double dip” or fulfill requirements in each Communication major/minor without the need to substitute a different class.

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

**MASS COMMUNICATION MAJOR OR MINOR \* - not required for Minor**

The *Mass Communication Major* (39 credits) is fulfilled by taking the following courses plus the 18 credit Communication Core. The *Mass Communication Minor* (21 credits) is earned by completing each of the classes in this list.

|  |   |
|--|---|
| COMM 191*/193* Beacon <b>and</b> WCUW<br>(at least 1 credit each) — 3 crs. | COMM 270 Sports Journalism <b>OR</b>                    |
| COMM 250 Intro to Mass Communication — 3 crs.                              | COMM 439 Advanced Film & Video Production <b>OR</b>     |
| COMM 321 Media Writing — 3 crs.  | COMM 347 Animation — 3 crs.                             |
| COMM 329 Film History <b>OR</b>  | Elective Majors and Minors should choose 3 credits from |
| COMM 371 Philosophy & Film — 3 crs.  | COMM 205 or COMM 325. Minors select one more 3          |
| COMM 339 Film and Video Production <b>OR</b>                               | credit elective not already taken from: COMM 270, COMM  |
| COMM 351 Radio Production — 3 crs.   | 329, COMM 339, COMM 347, COMM 351, COMM 371, or         |
|  | COMM 439.   |

**MULTIMEDIA MAJOR OR MINOR**

The *Multimedia Major* (39 credits plus ART 110/ART 111) is fulfilled by taking the following courses plus the 18 credit Communication Core. The *Multimedia Minor* (21 credits) is earned by completing each of the classes in this list.

|   |  |
|---|--|
| ART 110 Design I (2 Dim Design) <b>OR</b>   | COMM 348 Multimedia Production — 3 crs.            |
| ART 111 2-D Design                          | COMM 439 Advanced Film & Video Production — 3 crs. |
| (each fulfills Creative Arts requirement in | COMM 448 Advanced Multimedia Production — 3 crs.   |
| Distributive Core) — 3 crs.                 | ELECTIVE Choose from: ART 131, ART 231,            |
| COMM 322 Multimedia Design — 3 crs.         | COMM 329, GD 100, GD 110, GD 360, MIAD DS 330,     |
| COMM 339 Film and Video Production — 3 crs. | or 3 credit Multimedia Internship — 3 crs.         |
| COMM 347 Animation — 3 crs.                 |  |

**PUBLIC RELATIONS MAJOR OR MINOR \* - not required for Minor**

The *Public Relations Major* (40 credits) is fulfilled by taking the following courses plus the 18 credit Communication Core. The *Public Relations Minor* (21 credits) is earned by completing each of the classes in this list.

|  |   |
|--|---|
| GD 100 Digital Design Fundamentals <b>OR</b>   | COMM 300 Group Dynamics — 3 crs.            |
| GD 110 Graphic Design I (each fulfills Creative Arts<br>requirement in Distributive Core) — 3 crs. | COMM 321 Media Writing — 3 crs.             |
| COMM 191* Beacon — 1 cr.   | COMM 323 Intermediate Public Relations      |
| COMM 205 Advanced Public Speaking — 3 crs.   | COMM 423 Advanced Public Relations — 3 crs. |
| COMM 223 Public Relations — 3 crs.   | GD 360 Web Design I — 3 crs.                |

## Computer Science

Computer science is the foundation of 21st century technology. From movies to music, from automobiles to virtual zones, computer scientists create the technology that empowers society. Computer science is problem solving. The computer scientist is a person who is concerned with creating computer systems, with an emphasis on software, which will assist other people in solving problems. The computer scientist is proficient with current software applications and hardware technologies; however, more importantly, the computer scientist possesses a deep understanding of the concepts underlying current computer technology. The computer scientist is chiefly concerned with algorithms general methods of solving problems. Computer scientists must be creative; they must be able to discover innovative ways to apply problem solving techniques to new and diverse situations. The computer science program offers a number of majors and minors in order to match student interests and abilities with meaningful vocations. See [www.cuw.edu](http://www.cuw.edu) for the latest information on the Computer Science programs. Many CSC courses are offered in an online format via the web. Note that CUW offers graduate degrees in the Computer Science program also.

### COMPUTER SCIENCE MAJOR 55 crs.

The BS degree program in Computer Science is designed for students who want to create software and design computer systems. Students interested in graduate school 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 such as software engineer, network developer, database administrator, application developer, computer scientist, researcher, and graduate student. The computer science student should begin the Computer Science major program with a strong high school background in Mathematics, Science, and English.

#### Core Requirements:

MATH: MATH 197 Applied Calculus **OR** MATH 201 Calculus I

Lab Science: Any 4 credit Physical Science course

#### Required Courses - 49 credits

Any 4 credit Physical Science course  
(not included in the Core above)

MATH 205 Statistics I — 3 crs.

MATH 220 Discrete Mathematics — 3 crs.

PHIL 211 Elementary Logic — 3 crs.

SCI 303 Cosmogony — 3 crs.

CSC 150 Foundations of Computer Science — 3 crs.

CSC 175 Advanced Software Applications — 3 crs.

CSC 250 Computer Science Theory and Practice I — 3 crs.

CSC 300 Computer Science Theory and Practice II — 3 crs.

CSC 325 Computer Organization and Architecture I — 3 crs.

CSC 350 Computer Operating Systems — 3 crs.

CSC 370 Software Engineering — 3 crs.

CSC 450 Systems Software — 3 crs.

CSC 470 Programming Languages — 3 crs.

CSC 490 Senior Seminar I — 3 crs.

CSC 491 Senior Seminar II — 3 crs.

#### Electives (Upper Division) - 6 credits

additional 300 level or above CSC courses; consult with your advisor for approval

### COMPUTER SCIENCE MINOR 24 crs.

Computer Science is the study of computerized problem solving. A computer science minor is an excellent supplement to any major as it enhances the student's problem solving skills and abilities. People who understand computer science concepts are in great demand in our present information age. Note that a business major and a computer science minor is equivalent to an "MIS" degree offered at many institutions.

#### Required Courses - 18 credits

CSC 150 Foundations of Computer Science — 3 crs.

CSC 175 Advanced Software Applications — 3 crs.

CSC 200 Foundations of Programming — 3 crs.

CSC 250 Computer Science Theory and Practice I — 3 crs.

CSC 325 Computer Organization and Architecture I — 3 crs.

CSC 370 Software Engineering — 3 crs.

#### Upper Division Computer Science Electives — 6 crs.

(choose any two 3-credit upper division Computer Science courses as electives)

**COMPUTER INFORMATION SCIENCES MAJOR 42 crs.**

The BA degree program in Computer Information Sciences offers more options than the computer science degree and is suitable for students who want to design and create systems for businesses that aren't "computer specific," such as healthcare, manufacturing, service and retail. This program prepares students for vocations such as programmer/analyst, network administrator, systems analyst, software quality engineer, web developer, and information specialist. Unlike the Computer Science major, there is a limited professional core requirement and there are more options in the major itself. The CIS major is the option chosen by most students who want to become professional software developers.

**Required Courses - 33 credits**

CSC 150 Foundations of Computer Science — 3 crs.  
 CSC 175 Advanced Software Applications — 3 crs.  
 CSC 250 Computer Science Theory and Practice I — 3 crs.  
 CSC 300 Computer Science Theory and Practice II — 3 crs.  
 CSC 325 Computer Organization and Architecture I — 3 crs.  
 CSC 350 Computer Operating Systems — 3 crs.  
 CSC 370 Software Engineering — 3 crs.  
 CSC 470 Programming Languages — 3 crs.

CSC 490 Senior Seminar I — 3 crs.  
 CSC 491 Senior Seminar II — 3 crs.  
 PHIL 211 Elementary Logic — 3 crs.  
 SCI 303 Cosmogony — 3 crs.

**Electives (Upper Division) - 6 credits**

additional 300 level or above CSC courses; consult with your advisor for approval

**COMPUTER INFORMATION SCIENCES MINOR 18 crs.****Required Courses - 12 credits**

CSC 150 Foundations of Computer Science — 3 crs.  
 CSC 175 Advanced Software Applications — 3 crs.  
 CSC 250 Computer Science Theory and Practice I — 3 crs.  
 CSC 325 Computer Organization and Architecture I — 3 crs.

**Upper Division Computer Science Electives — 6 crs.**

(choose any 3-credit upper division Computer Science course as an elective)

**INFORMATION TECHNOLOGY MAJOR 42 crs.**

The BA degree program in Information Technology is designed for students who are interested in specifying, managing and configuring technology for their organization. An IT graduate responds to the practical, ongoing demands of a business for computing resources. Because all organizations utilize technology, the IT graduate solves problems by supporting the business and other employees in their quest for information. This program prepares students for vocations such as system administrator, technologist, system trainer, technical marketing, computer support specialist, communications engineer, telecommunications specialist, computer operations and data center director. Unlike the Computer Science and Computer Information Sciences majors, there is less programming required and even more options in the major itself. Many courses are offered in the Distance Learning format (online via the web).

**Required Courses - 30 credits**

CSC 150 Foundations of Computer Science — 3 crs.  
 CSC 175 Advanced Software Applications — 3 crs.  
 CSC 180 Readings in Science and Technology — 3 crs.  
 CSC 200 Foundations of Programming — 3 crs.  
 CSC 325 Computer Organization and Architecture I — 3 crs.  
 CSC 370 Software Engineering — 3 crs.  
 CSC 410 Ethical Computing — 3 crs.  
 CSC 491 Senior Seminar II — 3 crs.  
 PHIL 211 Elementary Logic — 3 crs.  
 SCI 303 Cosmogony — 3 crs.

**Electives (Upper Division) - 12 credits**

additional 300 level or above CSC courses; consult with your advisor for approval

## English

### ENGLISH MAJOR 39 crs. (Does not apply to Education students)

#### Language - 6 crs.

ENG 305 English Grammar and Usage — 3 crs.  
ENG 365 English: Its Cultural Development — 3 crs.

#### Expression - 3 crs. (Select one)

ENG 245 Advanced Writing — 3 crs.  
ENG 246 Creative Writing — 3 crs.

#### American Literature - 6 crs.

ENG 341 American Literature I — 3 crs.  
ENG 342 American Literature II — 3 crs.

#### English Literature - 6 crs.

ENG 344 English Literature I — 3 crs.  
ENG 345 English Literature II — 3 crs.

#### Other Requirements - 9 crs.

ENG 465 Shakespeare — 3 crs.  
ENG 475 Literary Criticism — 3 crs.  
ENG 495 Senior Seminar — 3 crs.

#### Electives in English - 9 crs.

### WRITING EMPHASIS MINOR 18 crs.

ENG 305 English Grammar and Usage — 3 crs.  
ENG 365 English - Its Cultural Development — 3 crs.

### ENGLISH MINOR 18 crs. (Does not apply to Education students)

#### Language - 3 crs. (select one)

ENG 305 English Grammar and Usage — 3 crs.  
ENG 365 English: Its Cultural Development — 3 crs.

#### Expression - 3 crs. (Select one)

ENG 245 Advanced Writing — 3 crs.  
ENG 246 Creative Writing — 3 crs.

#### American Literature - 3 crs.

ENG 341 American Literature I — 3 crs.  
ENG 342 American Literature II — 3 crs.

#### English Literature - 3 crs.

ENG 344 English Literature I — 3 crs.  
ENG 345 English Literature II — 3 crs.

#### Electives in English - 6 crs.

#### Expression

ENG 245 Advanced Writing — 3 crs.  
ENG 246 Creative Writing — 3 crs.  
ENG 350 Classical and Modern Rhetoric — 3 crs.

#### Other Requirements

ENG 251 Practicum in Writing Consultation — 3 crs.

## Health and Human Performance

### ATHLETIC COACHING MINOR 29 crs.

#### Required Courses — 25 - 27 crs.

HHP 100 Introduction to Lifetime Fitness — Core  
OR HHP 254 Foundations of Fitness (replaces  
HHP 100 for Physical Education majors)  
BIO 275 Anatomy & Physiology I with Lab — 4 crs.  
HHP 209 First Aid and CPR — 2 crs.  
HHP 272/273 Introduction to Athletic Training  
with Lab — 3 crs.  
HHP 275 Administration and Organization of Physical  
Education and Athletics — 3 crs.  
HHP 280 Psychology of Sport — 3 crs.  
HHP 371 Exercise Physiology — 3 crs.  
HHP 373 Motor Development — 3 crs.  
HHP 375 Biomechanics — 3 crs.  
HHP 290 Theory & Techniques of Coaching Wrestling

#### Coaching Theory Electives (2 credits each) – 4 crs.

*Choose two of the following:*

HHP 281 Theory & Techniques of Coaching Softball  
HHP 282 Theory & Techniques of Coaching Basketball  
HHP 284 Theory & Techniques of Coaching Football  
HHP 286 Theory & Techniques of Coaching Track & Field  
HHP 287 Theory & Techniques of Coaching Soccer  
HHP 288 Theory & Techniques of Coaching Volleyball  
HHP 490 Coaching Practicum — 1 - 3 crs.

**ATHLETIC TRAINING EDUCATION MAJOR****Undergraduate Athletic Training Education Program****GENERAL ACADEMIC INFORMATION**

The undergraduate Athletic Training Education Program (ATEP) at Concordia University Wisconsin (CUW) is an accredited entry-level Athletic Training Education Program. The objective of this program is to prepare graduates to enter a variety of employment settings and to render health care to a wide spectrum of individuals engaged in physical activity.

The undergraduate ATEP at Concordia University Wisconsin is designed to facilitate the athletic training student in meeting all of the requirements set forth by the Board of Certification (BOC) and Commission on Accreditation of Athletic Training Education (CAATE) for an accredited program, as well as the graduation requirements of Concordia University Wisconsin. Meeting the BOC and CAATE requirements will allow the athletic training student to take the BOC examination. To practice professionally as an athletic trainer, one must pass the BOC Computer Based Examination. The ATEP is also an excellent adjunct for other health or medical programs such as physical therapy, physician assistant or medical school.

There are two parts to the ATEP: classroom education and clinical education. The following outlines the requirements of the ATEP at Concordia University Wisconsin.

1. Classroom education: Our curriculum has 88 or 89 credits associated with it and will be the base of the educational component.
2. Clinical Education: Our clinical component will have sophomores performing 4 week clinical assignments; juniors performing 6 week clinical assignments; and seniors completing a full semester/year clinical internship. Each student will be exposed to a variety of clinical settings.

**TECHNICAL STANDARDS FOR THE ATHLETIC TRAINING EDUCATION PROGRAM**

Students in the Athletic Training Education Program (ATEP) at Concordia University Wisconsin should have the stamina and strength to endure the rigors of athletic training. The technical standards in the ATEP are part of the admittance into the program and meet the expectations of the program's accreditation agency (CAATE). The following abilities and expectations must be met by all students admitted to the ATEP. In the event that a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program.

Applicants for selection to the ATEP must demonstrate:

1. The ability to maintain CPR certification and be tested for tuberculosis annually while enrolled in the program.
2. Submission of a physical prior to acceptance into the program; this should include immunizations received i.e. hepatitis B, measles, mumps, rubella, tetanus, and diphtheria.
3. The physical capacity to handle the day-to-day rigors of athletic training; i.e. physicals, evaluations, therapeutic exercise, weather extremes, and sport camps.
4. The ability to critically think and problem solve, as it relates to the assessment of the injured and ill.
5. The ability to communicate effectively in both the verbal and in written form; i.e. awareness of and sensitivity to various cultures and social backgrounds, and documentation in medical records and forms.
6. Professional behavior while representing the ATEP; i.e. dress code, attitude, communication, and collegiality.
7. The ability to act and react appropriately to various stressful and changing situations in athletic training.
8. A commitment to progress as sequenced and completion of the ATEP.
9. A genuine concern for others associated with the ATEP and the patients served.
10. The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessments and therapeutic judgments, and to be able to distinguish deviations from the norm.
11. Sufficient postural and neuromuscular control, sensory function and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients.
12. The ability to record the physical examination results and treatment plan clearly and accurately.
13. The ability to adjust to changing situations and uncertainty in clinical situations.
14. Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.
15. A respect for the LCMS doctrine and other religious beliefs.
16. The understanding that athletic training can be an inherently dangerous when around athletic practices and events. Therefore, each athletic training student must carry health insurance in the case of any injuries that may occur.

Applicants to the ATEP will be required to verify they understand and meet these technical standards or that they believe that, with certain accommodations, they can meet the standards.

If a student determines that he/she can meet the technical standards with an accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review of the accommodations and that they are reasonable, taking into account whether the accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internships deemed essential to graduation.

**ATHLETIC TRAINING MAJOR 88 or 89 crs.**

- BIO 276 Principles of Anatomy & Physiology II — 4 crs.  
**OR** BIO 281 Anatomy & Physiology II or Functional Anatomy II — 4 crs.
- \*\* BIO 285 Pathophysiology — 3 crs.  
**OR** BIO 470 Advanced Human Physiology - 4 crs.
- \*\* EXPH 371 Exercise Physiology - 3 crs.
- \*\* HHP 130 Adv. Weight Training — 2 crs.
- \*\* HHP 171 Introduction to Exercise Science — 1 cr.
- \*\* HHP 205 First Aid & Emergency Procedures with Lab — 3 crs.
- \*\* HHP 265 Healthy Lifestyles — 3 crs.
- \*\* HHP 272/273 Introduction to Athletic Training with Lab — 3 crs.  
 \* HHP 280 Psychology of Sport — 3 crs.
- \*\* HHP 289 Athletic Training Seminar — 1 cr. (total 6)  
 (taken consecutively for six semesters beginning in the fall semester of the sophomore year.)
- \*\* HHP 291 Athletic Training Practicum I — 3 crs.
- \*\* HHP 292 Athletic Training Practicum II — 3 crs.
- \*\* HHP 301/302 Rehabilitation of Athletic Injuries with Lab — 3 crs.
- \*\* HHP 303/304 Therapeutic Modalities with Lab — 3 crs.
- \*\* HHP 312 Administration and Organization of Athletic Training — 3 crs.
- \*\* HHP 330 Manual Muscle Testing — 2 crs.
- \*\* HHP 342 Nutrition for Wellness & Performance — 3 crs.
- \*\* HHP 348 Palpatory Anatomy of the Human Body — 2 crs.
- \*\* HHP 372/374 Recognition & Evaluation of Athletic Injuries I with Lab — 4 crs.  
 \* HHP 373 Motor Development — 3 crs.  
 \* HHP 375 Biomechanics — 3 crs.
- \*\* HHP 376/378 Recognition & Evaluation of Athletic Injuries II with Lab — 3 crs.
- \*\* HHP 391 Athletic Training Practicum III — 3 crs.
- \*\* HHP 392 Athletic Training Practicum IV — 3 crs.
- \*\* HHP 403 Advanced Injury Management — 2 crs.
- \*\* HHP 408 Pharmacology & Ergogenic Aids — 3 crs.
- \*\* HHP 491 Athletic Training Practicum V — 4 crs.
- \*\* HHP 492 Athletic Training Practicum VI — 4 crs.
- \*\* HHP 493 Senior Seminar — 3 crs.
- \* May transfer upon approval of the Director of the ATEP
- \*\* Cannot be transferred into program

**THE APPLICATION PROCESS**

The Athletic Training Education Program (ATEP) is a selective program that accepts up to twenty students each year. The model used is an 8:1 ratio, Student: Approved Clinical Instructor ratio. This model will promote a very high level of educational quality and provide the student abundant opportunities for hands-on learning. Students will formally apply to the ATEP during their freshman year, second semester. Freshman students will also be exposed to the profession of athletic training and can gain valuable experience during their first year.

Students with a higher academic standing or transfer students may apply and will be given equal consideration, but must make a commitment to the ATEP for four years. These students will need to formally apply and go through the ATEP curriculum at Concordia University Wisconsin. Students who are accepted into the ATEP will be limited to one extracurricular activity (or sport), participating in that extracurricular activity (or sport) only during its traditional season.

**REQUIREMENTS FOR ADMISSION TO THE ATHLETIC TRAINING EDUCATION PROGRAM**

During the first year at Concordia University Wisconsin, applicants must meet the following requirements to be considered for admission into the ATEP:

1. Earn a Cumulative Grade Point Average (CGPA) of 2.50 in all course work.
  2. Earn a Cumulative Grade Point Average (CGPA) of 2.75 in all major course work.
  3. Complete the Athletic Training Education Program application by the specified date.
  4. Interview with the Admissions Selection committee.
  5. Submit two CUW ATEP student evaluation forms from two personal references.
  6. Submit an essay on why you want to choose Athletic Training as a career.
  7. Complete and pass all first year clinical competencies and proficiencies.
  8. Complete and pass the following courses:
    - a. HHP 171 with a grade of a B (3.0) or higher
    - b. HHP 205 with a grade of a B (3.0) or higher
    - c. HHP 272/273 with a grade of a B (3.0) or higher
    - d. BIO 275 & 276 Principles of A & P I & II with a grade of a C (2.0) or higher **OR** BIO 280 & 281 Functional anatomy I & II with a grade of a C (2.0) or higher
  9. A physical exam is required as part of the admission process into the ATEP.
- The above criteria will be used for admittance into the ATEP.
  - The admissions selection committee will be comprised of the Athletic Training Education Program faculty, staff, and admissions personnel. In the event there are more than 20 students who apply and meet the standards, the students with the highest total point values will be admitted into the ATEP.
  - Students will be notified of acceptance in a timely manner and will begin their athletic training experience in earnest shortly afterward, in the following fall semester.



## RETENTION POLICY

1. Maintain a Cumulative Grade Point Average (CGPA) of 2.75 in major course work.
2. Maintain a CGPA of 2.50 in all course work.
3. Must pass all Practicum courses with a grade of a B or higher.
4. Make satisfactory progress towards fulfillment of all educational competencies.
5. Maintain required/scheduled clinical experience hours every semester.
6. Subjective personal characteristics must be consistently demonstrated (i.e. respect, responsibility, honesty, etc).
7. Must follow all ATEP Policies and Procedures

If a student fails to maintain any portion of the retention policy, that student will be placed on probation and have the following semester to improve towards the required retention policy standards. If the student fails to meet the retention policy requirements the following semester, he/she will forfeit their place in the program and will be terminated from the ATEP. (See the probationary policy for clarification). If such student fails to improve towards the retention policy requirements and is terminated from the ATEP, this student will have one year to acquire the required retention policy standards while terminated. If such student meets the required retention policy during their year of termination, this student will have the opportunity to join the class level she/he was terminated from. If such student does not meet the retention policy requirements in the future, the student will be permanently terminated from the ATEP.

## GRADUATION REQUIREMENTS

Concordia University confers the degree of Bachelor of Arts, Bachelor of Science or Bachelor of Social Work on a student in good character who must have met all the requirements listed here:

1. Accumulated a cumulative grade point average of 2.00 or better for all credited work completed at Concordia (university standard). The Athletic Training Education Program has a 2.50 cumulative grade point average for all credited work and 2.75 for all credited work in the major 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 (university standard). The Athletic Training Education Program requires each student to register for all athletic training courses (88 or 89 credits) at Concordia as a minimum.
3. Filed application for candidacy before registering for the final semester.
4. Met all financial obligations to the University.
5. Every candidate is expected to attend graduation exercises. Requests for excuse in extenuating circumstances should be directed to the Registrars office.

## TRANSFER STUDENT ADMISSION POLICY

Students with a higher academic standing or transfer students may apply into the Athletic Training Education Program (ATEP) and will be given equal consideration. Each student must make a commitment to the Athletic Training Education Program for seven semesters. These students will need to formally apply and go through the Athletic Training Education Program curriculum at Concordia University Wisconsin.

Transfer students may have a varied degree of credits applicable for transfer into Concordia University Wisconsin. Each case is unique and must be examined individually to determine the length of time and courses a transfer student will need. If a transfer student is applying and has not been in an Athletic Training Education Program, the minimum time required for this program is seven or eight semesters (depending on the courses previously taken). These students must take all of the required CUW Athletic Training Education Program courses.

Transfer students applying from another Athletic Training Education Program may have athletic training courses transfer, but they must meet specific criteria. These athletic training courses must meet our course content and the educational competencies for each course. Documentation of all competencies must be provided. In addition, learning over time must be shown through assessments from the previous ATEP. Each case is unique and will be reviewed to determine if transferring is a viable option.

Please review the university transfer policy in the Concordia University Wisconsin catalog regarding university requirements.

**EXERCISE PHYSIOLOGY MAJOR 55 crs.**

The Exercise Physiology major at Concordia prepares students to understand how the body responds and adapts to the stress of physical exertion. A thorough knowledge of exercise physiology enables one to understand the physiological mechanisms responsible for the acute and chronic response to physical activity. This knowledge can be used by students as they enter the workforce in health and fitness industries, strength and conditioning programs, clinical exercise physiology settings or entry into professional/graduate studies such as Concordia's Doctorate of Physical Therapy program or master's/doctoral work in the exercise sciences.

Coursework in the Exercise Physiology major includes a strong foundation in the sciences plus significant hands-on laboratory work assessing cardiovascular, neuromuscular, and pulmonary responses in Concordia's Exercise Physiology Laboratory. Emphases in this major include both clinical exercise physiology and strength and conditioning. Students will be prepared to sit for nationally recognized certification exams offered through the American College of Sports Medicine and the National Strength and Conditioning Association. Opportunities are available to participate in developing and conducting research projects in the exercise physiology laboratory and/or to pursue internships to gain additional practical experiences in their preferred field.

**Required Courses - 55-58 Credits**

BIO 280/281 Functional Human Anatomy & Physiology I w/lab — 4 crs.  
 BIO 282 Functional Human Anatomy & Physiology II w/ lab - 4 crs.  
 BIO 285 Pathophysiology — 3 crs.  
 HHP 171 Intro to Ex Science — 1 cr.  
 HHP 209 CPR & First Aid — 2 crs.  
 HHP 280 Psychology of Sport — 3 crs.  
 HHP 342 Nutrition for Wellness & Perf. — 3 crs.  
 EXPH 371 Exercise Physiology I — 4 crs.  
 HHP 373 Motor Development — 3 crs.  
 HHP 375 Biomechanics — 3 crs.  
 EXPH 442 Exercise Testing & Presc. — 4 crs.  
 EXPH 471 Adv. Exercise Physiology — 4 crs.  
 EXPH 475 Seminar in Exercise Phys. — 2 crs.

EXPH 480 Designing Resistance Training Program — 3 crs.  
 EXPH 494 Exercise & Chronic Disease — 3 crs.  
 MATH 205 Statistics — 3 crs.  
 PHIL 350 Bioethical Dilemmas — 3 crs.  
 EXPH 495 Senior Seminar — 3 crs.  
 and/or EXPH 460 Internship (3-6 cr.)

**Recommended Courses:**

BIO 470 Human Physiology — 4 crs.

**Required Courses for PT + 16 Credits**

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.

Although CHEM 141/142, PHYS 151/152, and BIO 470 are recommended for all Exercise Physiology majors, only Pre Physical Therapy are required to take them for admittance into a Physical Therapy program. Students should check with their advisor for further information on options within the Exercise Physiology curriculum.

## History

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**HISTORY MAJOR 36 crs.****Required Courses:**

U.S. History — 6 crs.  
 European History — 6 crs.  
 Non-Western/Global History — 6 crs.  
 HIST 385 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.

**HISTORY MINOR 21 crs.****Required Courses:**

U.S. History — 3 crs.  
 European History — 3 crs.  
 Non-Western/Global History — 3 crs.  
 HIST 385 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.

## Humanities

### HUMANITIES MAJOR 30 crs.

Art History I — 3 crs.  
 Historical Methods — 3 crs.  
 World Literature — 3 crs.  
 Senior Seminar — 3 crs.  
 Music History I or II — 3 crs.  
 Foreign Language — 3 crs.  
 Electives\* — 12 crs.

\*These electives may be chosen from courses offered in History, Literature, Music, English, Art, and Languages.

### HUMANITIES MINOR 18 crs.

Art History I — 3 crs.  
 Historical Methods — 3 crs.  
 World Literature — 3 crs.  
 Senior Seminar — 3 crs.  
 Music History I or II — 3 crs.  
 Foreign Language — 3 crs.

## Mathematics

### MATHEMATICS MAJOR 40 crs.

#### Required Courses:

CSC 150 Foundations of Computer Science – 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 305 Statistics II – 3 crs.  
 MATH 321 Abstract Algebra – 3 crs.  
 MATH 325 Linear Algebra and Differential Equ. – 4 crs.  
 MATH 331 Geometry – 3 crs.  
 MATH 441 Real Analysis – 3 crs.  
 MATH 490 Seminar – 3 crs.

### MATHEMATICS MINOR 21 crs.

#### Required Courses:

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 - 6 crs.\*\*

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

\*\* Choose from: MATH 220, MATH 305, MATH 325, MATH 321, MATH 331, or MATH 441 or MATH 470.

## Modern Languages

### ENGLISH AS A SECOND LANGUAGE

This program is directed to assist non-English speaking students to improve their communication skills. The areas of concentration are reading, writing and conversation. The curriculum in ESL is designed to prepare individuals to attend regular college classes or to return to their homes with a strong background and experience in communicating in English and in the cultural aspects of America.

International students must present a minimum of 500 TOEFL for regular acceptance. Any International Student who can not present a 500 TOEFL must test through the International Office for placement and may be required to enroll in the ESL program.

### GERMAN MAJOR 34 crs.

#### Required Courses:

GER 201 Intermediate German I — 3 crs.  
 GER 202 Intermediate German II — 3 crs.  
 GER 301 German Conversation and Composition — 3 crs.  
 GER 306 German Lit. from 1750 to the 20th Century — 3 crs.  
 GER 307 Applied German Linguistics — 3 crs.  
 GER 331 Advanced German Grammar — 3 crs.  
 GER 361 German Civilization and Culture — 3 crs.  
 GER 490 Senior Seminar/Capstone Course — 3 crs.  
 Advanced German Language (study abroad) — 10 crs.

### GERMAN MINOR 21 crs.

#### Required Courses:

GER 201 Intermediate German I — 3 crs.  
 GER 202 Intermediate German II — 3 crs.  
 GER 301 German Conversation and Composition — 3 crs.  
 GER 306 German Lit. from 1750 to the 20th Century — 3 crs.  
 GER 331 Advanced German Grammar — 3 crs.  
 GER 361 German Civilization and Culture — 3 crs.  
 German Elective — 3 crs.

**SPANISH MAJOR (Non-Education) 33 crs.**

SPAN 201 Intermediate Spanish I — 3 crs.  
 SPAN 202 Intermediate Spanish II — 3 crs.  
 SPAN 301 Conversation & Composition — 3 crs.  
 SPAN 307 Applied Linguistics — 3 crs.  
 SPAN 331 Advanced Grammar & Composition — 3 crs.  
 SPAN 490 Seminar/Capstone — 3 crs.  
 Upper level electives in Spanish — 15 crs.

A semester or summer of study abroad is also required for a major.

Required courses for the major may be fulfilled during study abroad. Span 101 and Span 102 do not count toward the major.

**SPANISH MINOR (Non-Education) 24 crs.**

SPAN 201 Intermediate Spanish I — 3 crs.  
 SPAN 202 Intermediate Spanish II — 3 crs.  
 SPAN 301 Conversation & Composition — 3 crs.  
 SPAN 307 Applied Linguistics — 3 crs.  
 SPAN 331 Advanced Grammar & Composition — 3 crs.  
 Upper level electives in Spanish — 9 crs.

Span 101 and Span 102 do not count toward the minor.

## Music

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**MISSION STATEMENT**

The CUW 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.

Fail - The student is not accepted as a music major.

**MUSIC MAJOR 40 crs.**

**Required Courses:**

- MUS 080 Concert/Recital  
Attendance (each semester) – 0 crs.
- 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 271 Music History I – 3 crs.
- MUS 272 Music History II – 3 crs.
- MUS 273 Music History III – 3 crs.
- Applied Music (studio) – 8 crs.
- MUS 250 Beginning Conducting – 3 crs.
- Choose one:*
- MUS 351 Advanced Conducting **OR**  
MUS 445 Composing and Arranging – 3 crs.
- \*Electives (may include ensemble) – 3 crs.
- MUS 499 Recital – 2 crs.

\*Music Majors must participate in ensembles every semester of residency (at least 3 semesters for credit)

**PARISH MUSIC PROGRAM (LCMS Rosterable) 53 crs.**

**Required Core Courses:**

- Common Core:
- Bible Content: REL 201 Old Testament — 3 crs.
- Christian Doctrine: REL 204 Biblical Theology — 3 crs.
- Narrative Core:
- Communications: COMM 201  
Interpersonal Communications — 3 crs.
- Elective Core:
- Creative Arts: Participation in musical ensembles — 3 crs.
  - MUS 180 Chapel Ringers
  - MUS 181 Wind Ensemble
  - MUS 182 Concordia Chorale
  - MUS 184 Kammerchor
  - MUS 185 The Alleluia Ringers
  - MUS 186 Small Ensemble
  - MUS 187 Falcon Pep Band
  - MUS 188 Jazz Ensemble
  - MUS 190 String Ensemble/Chamber Orchestra
- Theology Elective: — 3 crs.

**Additional required courses for LC-MS Roster — 9 crs.**

- REL 203 New Testament — 3 crs.
  - REL 312 Office of the Church Worker — 3 crs.
  - REL 404 Theology of the Lutheran Confessions — 3 crs.
- (These nine credits may be part of a Theology minor or elective credits.)

A Parish Music major with a Lay Ministry minor provides students with another option to serve the Church as church musicians. Upon graduation, students may be placed on the roster of Synod as Lay Ministry. Please see Lay Ministry Certification - combined with related majors in the catalog under Lay Ministry for this option.

**K-12 Music Education** (Instrumental and Choral) see Education Department section.

**Music Therapy Equivalency** Cooperation with Alverno College. See Music Department Chairman for more information.

**MUSIC MINOR 24 crs.**

**Required Courses:**

- MUS 080 Concert/Recital  
Attendance (each semester) – 0 crs.
- MUS 240 Music Theory I – 3 crs.
- MUS 241 Music Theory II – 3 crs.
- MUS 242 Music Theory III - 3 crs.
- MUS 271 Music History I – 3 crs.
- MUS 272 Music History II – 3 crs.
- Applied Music (studio) – 3 crs.
- Choose one:*
- MUS 250 Beginning Conducting **OR**  
MUS 445 Composing and Arranging – 3 crs.
- \*Electives (may include ensemble) – 3 crs.

**Required Courses:**

- MUS 080 Concert/Recital Attendance  
(each semester) — 0 crs.
- Ensemble (additional to core) — 6 crs.
- Music Theory I, II, III, IV (3 crs. each) — 12 crs.  
MUS 240, 241, 242, 243
- Music History I, II (3 crs. each) — 6 crs.  
MUS 271, 272
- Conducting: (3 crs each) — 6 crs.  
MUS 250 Beginning Conducting  
MUS 351 Advanced Conducting
- Applied Music (min. 4 crs. Organ) — 8 crs.  
Organ, Piano and/or Voice
- MUS 445 Composing and Arranging — 3 crs.
- MUS 461 Music in Worship — 3 crs.
- MUS 465 Survey of Christian Hymnody — 3 crs.
- Choose one of the following: — 3 crs.**  
MUS 422 Organ Literature  
MUS 485 Handbell Methods and Materials  
MUS 491 Parish Music Practicum/Internship  
(120 hours) — 3 crs.

## Natural Sciences

### BIOLOGY MAJOR 60 crs.

#### Required Core Courses:

**Lab Science:** CHEM 141 General Chemistry I

**Mathematics:** MATH 205 Statistics I

#### Philosophical Foundations:

PHIL 240 Environmental Ethics **OR**

PHIL 350 Bioethical Dilemmas in Contemporary Society **OR** SCI 303 Cosmogony

#### Recommended Core Courses:

**Social Science:** PSY 101 General Psychology

**Culture:** BIO 367 Ecology of the Tropics

#### Required Courses: 46 credits

BIO 140 General Biology — 4 crs. **OR**

BIO 150 Functional Human Biology I—4 crs. **OR**

BIO 280 Functional Anatomy & Physiology I — 4 crs.

BIO 240 Zoology — 4 crs.

BIO 244 Botany — 4 crs.

BIO 260 Biology of Microorganisms — 4 crs.

BIO 348 Genetics — 4 crs.

BIO 490 Seminar — 2 cr. (1 cr. per semester)

CHEM 141 General Chemistry I — 4 crs. (taken in core)

CHEM 142 General Chemistry II — 4 crs.

CHEM 241 Organic Chemistry I — 4 crs.

CHEM 242 Organic Chemistry II — 4 crs.

PHYS 151 Physics I — 4 crs.

PHYS 152 Physics II — 4 crs.

#### Electives—Choose a minimum of 14 crs. from the following:

BIO 142 General Biology II — 4 crs. **OR**

BIO 152 Functional Human Biology II—4 crs.

BIO 256 Environmental Science — 4 crs.

BIO 281 Functional Anatomy & Physiology II — 4 crs.

BIO 285 Pathophysiology — 3 crs.

BIO 321 Cell Biology — 3 crs.

BIO 367 Ecology of the Tropics — 3 crs.

BIO 368 Tropical Ecology Lab—1 cr.

BIO 370 Ornithology — 4 crs.

BIO 381 Histology — 3 crs.

BIO 385 Comp. Anatomy — 3 crs.

BIO 399 Biology Internship — 1-4 crs.

BIO 410 Ecology — 4 crs.

BIO 417 Plant Anatomy — 4 crs.

BIO 425/CHEM 425 Biochemistry — 4 crs.

BIO 430 Pharmacology — 3 crs.

BIO 435 Developmental Biology — 3 crs.

BIO 444 Systematics — 4 crs.

BIO 470 Human Physiology — 4 crs.

CHEM 361 Environmental Chemistry and Toxicology — 3 crs.

SCI 303 Cosmogony - 3 crs.

(Elective if not taken in Narrative Core)

### BIOLOGY MINOR 24 crs.

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. This minor is not available to students majoring in Environmental Science or Natural Science. The biology minor must take the following:

#### Required Core Course:

**Lab Science:** CHEM 105 Elements of General and Biological Chemistry — 4 crs.

#### Required Courses: 24 credits

BIO 140 Gen Bio I or SCI 150 Life Sciences — 4 crs.

BIO 146 Essentials of Anatomy and Physiology — 4 crs.

BIO 240 Zoology — 4 crs.

BIO 244 Botany — 4 crs.

BIO 256 Environmental Science **OR**

BIO 410 Ecology — 4 crs.

BIO 348 Genetics — 4 crs.

**BIOMEDICAL SCIENCES MAJOR 61 crs.**

The Biomedical Sciences Major, which combines human health sciences with Concordia University Wisconsin's distinctive core curriculum with courses in theology, humanities and social sciences, should provide students with the intellectual, scientific, and ethical tools to succeed in advanced studies in the health sciences or proceed directly into the growing field of biotechnology and drug development. BIO 290 may be taken to fulfill the culture requirement in the core curriculum.

**Required Core Courses:****Lab Science:** CHEM 141 General Chemistry I**Mathematics:** MATH 205 Statistics I**Social Science:** PSY 101 General Psychology**Philosophical Foundations:** PHIL 350 Bioethical Dilemmas in Contemporary Society**Physical Sciences: 24 credits**

CHEM 142 General Chemistry II — 4 crs.

CHEM 241 Organic Chemistry I — 4 crs.

CHEM 242 Organic Chemistry II — 4 crs.

CHEM 425 Biochemistry — 4 crs.

PHYS 151 Physics I — 4 crs.

PHYS 152 Physics II — 4 crs.

**Biological Sciences: 30 credits**

BIO 260 Biology of Microorganisms — 4 crs.

BIO 280 Anatomy and Physiology I — 4 crs.

BIO 281 Anatomy and Physiology II — 4 crs.

BIO 285 Pathophysiology — 3 crs.

BIO 321 Cell Biology — 3 crs.

BIO 348 Genetics — 4 crs.

BIO 351 Immunology — 3 crs.

BIO 430 Pharmacology — 3 crs.

BIO 490 Senior Seminar — 2 crs.

**Electives—Choose a minimum of 7 crs. from the following:**

BIO 290 Early History of Microbiology — 3 crs.

BIO 381 Histology — 3 crs.

BIO 385 Comparative Anatomy — 3 crs.

BIO 399 Biology Internship — 3 crs.

BIO 435 Developmental Biology — 3 crs.

BIO 470 Human Physiology — 4 crs.

BIO 536 Advanced Pathophysiology — 3 crs.

BIO 550 Human Anatomy — 6 crs.

BIO 560 Neuroscience — 3 crs.

CHEM 361 Environmental Chemistry and Toxicology — 3 crs.

HHP 471 Advanced Exercise Physiology — 4 crs.

SCI 303 Cosmogony — 3 crs.

**Other Math Courses: (strongly recommended)**

MATH 201 Calculus I — 4 crs.

MATH 202 Calculus II — 4 crs.

MATH 305 Statistics II — 3 crs.

**CHEMISTRY MAJOR 62 crs.**

Concordia offers a chemistry major that meets the requirements for certification by the American Chemical Society. This major includes 46 credits of chemistry and 16 credits of supplementary coursework (physics and mathematics). A student seeking a degree in chemistry must take:

**Required Courses: 54 crs.**

CHEM 141, General Chemistry I, 4 crs.

CHEM 142, General Chemistry II, 4 crs.

CHEM 241, Organic Chemistry I, 4 crs.

CHEM 242, Organic Chemistry II, 4 crs.

CHEM 225, Analytical Chemistry, 4 crs.

CHEM 235, Descriptive Inorganic Chemistry, 4 crs.

CHEM 341, Physical Chemistry I, 4 crs.

CHEM 342, Physical Chemistry II, 4 crs.

CHEM 425, Biochemistry, 4 crs.

CHEM 490, Chemistry Senior Seminar, 2 crs.

(1 credit per semester)

MATH 201, Calculus I, 4 crs.

MATH 202, Calculus II, 4 crs.

PHYS 151, General Physics I, 4 crs.

PHYS 152, General Physics II, 4 crs.

**The chemistry major must also complete at least 8 credits from the following:**

CHEM 399, Chemistry Internship, 1-4 crs.

CHEM 435, Advanced Organic Chemistry, 4 crs.

CHEM 445, Advanced Inorganic Chemistry, 4 crs.

CHEM 455, Instrumental Analysis, 4 crs.

CHEM 499, Undergraduate Research, 1-3 crs.

With approval from the Chemistry Department on an individual basis, a student may use a 4 credit upper-level biology course in place of one of the courses listed here.

**CHEMISTRY MINOR 23 - 24 crs.**

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:

**Required Courses:**

CHEM 141 General Chemistry I — 4 crs.

CHEM 142 General Chemistry II — 4 crs.

CHEM 241 Organic Chemistry I — 4 crs.

CHEM 242 Organic Chemistry II — 4 crs.

CHEM 325 Analytical Chemistry - 4 crs.

One additional 3-4 credit chemistry course

**ENVIRONMENTAL HEALTH AND WATER QUALITY TECHNOLOGY MAJOR 44 crs.**

The Environmental Health and Water Quality Technology Major consists of 50 credit hours of course work completed through a cooperative program with Milwaukee Area Technical College (MATC). MATC-Mequon Campus is just a 5-minute drive from Concordia. In addition to the CUW Liberal Arts core requirements and required courses listed below, all environmental and pollution control technology majors must complete requirements for a CUW Minor. Required core courses may be taken at either MATC or CUW.

*For specific information about MATC courses and degree requirements, please visit the MATC website at <http://oncampus.matc.edu/catalog/index1.htm>.*

**Required Courses:**

|   |   |
|---|---|
| ENVHEL 101 Introduction to Environmental Health — 2 crs.    | ENVHEL 111 Water and Wastewater Analysis — 4 crs                                    |
| ENVHEL 102 Environmental Biology — 4 crs.                   | ENVHEL 115 Air Pollution Technology — 4 crs   |
| ENVHEL 109 Applied Environmental Chemistry — 4 crs.         | ENVHEL 146 Water/Wastewater Operations – Industrial — 3 crs.                        |
| ENVHEL 142 Principles of Water Resources — 3 crs.           | ENVHEL 105 Fundamentals of Hazardous Materials Control — 4 crs                      |
| ENVHEL 145 Water/Wastewater Operations – Municipal — 3 crs. | ENVHEL 119 Food and Dairy Quality Control — 3 crs.                                  |
| ENVHEL 173 Environmental Bacteriology — 3 crs.              | ENVHEL 143 Interpersonal Communication Skills and Environmental Management — 3 crs. |
| ENVHEL 104 Industrial Hygiene Technology — 4 crs.           |   |

**ENVIRONMENTAL SCIENCE STUDIES MINOR 23 - 24 crs.****Required Courses:**

|   |  |
|---|--|
| BIO 140 General Biology I or SCI 150 — 4 crs. | CHEM 105 Elements of General and Biological Chemistry — 4 crs. |
| BIO 256 Environmental Science — 4 crs.        | SCI 135 Earth Science — 4 crs.                                 |
| BIO 410 Ecology — 4 crs.                      | Elective subject to Science Faculty approval — 3 - 4 crs.      |

**ENVIRONMENTAL STUDIES MAJOR 48 crs.****Required Core Courses:**

**Citizenship:** LEGL/JPP 230 Environmental Law

**Culture:** BIO 367 Ecology of the Tropics

**Philosophical Foundation:**

PHIL 240 Environmental Ethics

**Mathematics:** MATH 205 Statistics

**Lab Science:** BIO 256 Environmental Science

**Biological Science – 23 crs.**

BIO 244 Botany — 4 crs.

BIO 240 Zoology — 4 crs.

BIO 260 Biology of Microorganisms — 4 crs.

BIO 348 Genetics — 4 crs.

BIO 399 Internship — 2 crs.

BIO 410 Ecology — 4 crs.

BIO 490 Biology Seminar — 1 crs.

**Physical and Earth Science - 15 crs.**

CHEM 105 Elements of General and

Biological Chemistry — 4 crs.

CHEM 361 Environmental Chemistry/

Toxicology — 3 crs.

SCI 246/GEOG 246 Oceanography/

The World's Oceans — 4 crs.

SCI 135/GEOG 311 Earth Science/

Physical Geography — 4 crs.

**Electives in Major—Choose a minimum of 10 crs. from the following:**

BIO 368 Tropical Ecology Lab — 1 crs.

BIO 370 Ornithology — 4 crs.

BIO 399 Internship — up to 2 additional crs.

BIO 417 Plant Anatomy — 4 crs.

BIO 425 Biochemistry — 4 crs.

BIO 444 Systematics — 4 crs.

SCI 195 Meteorology — 3 crs.

SCI 303 Cosmogony — 3 crs.

ART 222 Outdoor Drawing and Painting — 3 crs.

POLS 221 Environmental Policies - 3 crs.

CHEM - any chemistry course 3-4 crs.

PHYS - any physics course 3-4 crs.



**HORTICULTURE MAJOR 43 crs.**

The Horticulture Major consists of course work completed through a cooperative program with Milwaukee Area Technical College (MATC). MATC-Mequon Campus is just a 5-minute drive from Concordia and offers three unique choices to prepare students for an exciting career in horticulture: Design Track, Maintenance Track, or Construction Track. (Current MATC catalog is the official source for Major Courses and their descriptions.) In addition to the CUW Liberal Arts core requirements and required courses listed below, all horticulture majors must complete requirements for a CUW Minor. Required core courses may be taken at either MATC or CUW.

*For specific information about MATC courses and degree requirements, please visit the MATC website at <http://oncampus.matc.edu/catalog/index1.htm>.*

**REQUIRED HORTICULTURE COURSES (MATC CAMPUS) – 31 Crs:**

\* courses common to all horticulture students

- |  |   |
|--|---|
| *HORT 111 Introduction to Horticulture — 3 crs.      | *HORT 122 Landscape Design I — 3 crs.                       |
| *HORT 112 Horticulture Soils — 3 crs.                | *HORT 126 Landscape Estimating & Bidding — 3 crs.           |
| *HORT 114 Survey of Woody Ornamental Plants — 3 crs. | *HORT 118 Landscape Business Principles — 3 crs.            |
| *HORT 116 Landscape Equipment — 3 crs.               | *HORT 125 Landscape Maintenance Applications — 3 crs.       |
| *HORT 113 Ornamental Plant Healthcare — 3 crs.       | *HORT 132 Horticulture Communications & Marketing — 2 crs.. |
| *HORT 159 Survey of Herbaceous Plants — 2 crs.       |   |

After completing the courses outlined above, students will select a specialized track:

**DESIGN TRACK – 12 Crs.**

- HORT 119 Landscape Construction 1 — 3 crs.  
 HORT 123 Landscape Design 2 — 3 crs.  
 HORT 160 Landscape Plants Trees — 2 crs.  
 HORT 161 Landscape Plants Shrubs — 2 crs.  
 HORT 124 Design III — 2 crs.

**CONSTRUCTION TRACK – 12 Crs.**

- HORT 119 Landscape Construction 1 — 3 crs.  
 HORT 117 Landscape Equipment 2 — 3 crs.

- HORT 121 Irrigation, Lighting, and Ponds — 3 crs.  
 HORT 120 Landscape Construction 2 — 3 crs.

**MAINTENANCE TRACK – 12 Crs.**

- HORT 133 Turf Management & Related Equipment — 3 crs.  
 HORT 160 Landscape Plants Trees — 2 crs.  
 HORT 127 Arboriculture 1 — 3 crs.  
 HORT 161 Landscape Plants Shrubs — 2 crs.  
 HORT 171 Exterior Plant Pests — 2 crs.

**NATURAL SCIENCE MAJOR 54 crs.****Required Core Courses:****Philosophical Foundation:**

PHIL 240 Environmental Ethics

**Mathematics:** MATH 205 Statistics

**Science:** SCI 135 Earth Science

**Recommended Core Courses:**

**Citizenship:** LEGL 230 Environmental Law

**Culture:** BIO 367 Ecology of the Tropics

**OPTION I: Biology/Environmental Science, EMPHASIS Concentration****Biology/Environmental Science Subcategory—25 crs.**

- BIO 140 General Biology I **OR**  
 SCI 150 Life Sciences — 4crs.  
 BIO 146 Anatomy/Physiology — 4 crs.  
 BIO 240 Zoology — 4 crs.  
 BIO 244 Botany — 4 crs.  
 BIO 256 Environmental Science — 4 crs.  
 BIO 348 Genetics — 4 crs.  
 BIO 490 Senior Seminar — 1 crs.

**Earth Science Subcategory —13 crs.**

- PHYS 107 Astronomy — 3 crs.  
 SCI 195 Meteorology — 3 crs.  
 SCI 246 Oceanography — 4 crs.  
 SCI 303 Cosmogony — 3 crs.

**Physical Science Subcategory — 16 crs.**

- PHYS 151 Physics I — 4 crs.  
 SCI 155 Physical Sciences or PHYS 152 — 4 crs.  
 CHEM 141 General Chemistry I — 4 crs.  
 CHEM 142 General Chemistry II — 4 crs.

**OPTION II: PHYSICAL Science EMPHASIS Concentration****Physical Science Subcategory — 24 crs.**

PHYS 151 Physics I — 4 crs.  
 PHYS 152 Physics II — 4 crs.  
 CHEM 141 General Chemistry — 4 crs.  
 CHEM 142 General Chemistry — 4 crs.  
 Electives subject to Science Faculty approval — 8 crs.

**Earth Science Subcategory — 13 crs.**

PHYS 107 Astronomy — 3crs.  
 SCI 195 Meteorology — 3 crs.  
 SCI 246 Oceanography — 4 crs.  
 SCI 303 Cosmogony — 3 crs.

**Biology/Environmental Science Subcategory – select 17 crs.**

BIO 140 General Biology I **OR**  
 SCI 150 Life Sciences — 4 crs.  
 BIO 142 General Biology II — 4 crs.  
 BIO 146 Anatomy/Physiology — 4 crs.  
 BIO 240 Zoology — 4 crs.  
 BIO 244 Botany — 4 crs.  
 BIO 256 Environmental Science — 4 crs.  
 BIO 367 Ecology of the Tropics — 3 crs.  
 BIO 368 Tropical Ecology Lab — 1 cr.  
 BIO 410 Ecology — 4 crs.  
 BIO 490 Senior Seminar — 1 cr.  
 BIO 260 Biology of Microorganisms - 4 crs

**SCIENCE MINOR 23-24 crs.**

This minor is not available to students majoring in Environmental Studies or Natural Science.

BIO 140 General Biology I or SCI 150 — 4 crs.  
 BIO 146 Anatomy and Physiology — 4 crs.  
 BIO 256 Environmental Science — 4 crs.

CHEM 105 Elements of General and  
 Biological Chemistry — 4 crs.  
 SCI 135 Earth Science — 4 crs.  
 Elective Subject to Science Faculty approval — 3 - 4 crs.

## Pre-Professional Studies

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**PRE-MEDICAL CURRICULUM**

Medical colleges give preference to students who have completed a four-year degree program. Medical colleges recognize and encourage a broad background in the liberal arts, including a variety of humanities and social science courses. Admission requirements vary among medical colleges; therefore, each student is advised to obtain catalogs from three or more medical colleges and then plan college work at Concordia to meet requirements. The successful completion of the required pre-medical courses does not assure admission to any college of medicine because the number of candidates exceeds the number that can be admitted. Medical colleges base selections on the quality of the student's college record, the Medical College Admission Test (MCAT), recommendations, and the results of a personal interview. It is important that a Concordia student interested in pursuing a pre-medical course of study articulate this early in his/her college experience to the appropriate advisor, so that all requirements can be met.

## Political Science

### POLITICAL SCIENCE MAJOR 36-39 crs.

The Political Science major helps students understand how the invitation to love thy neighbor can be carried out in the political realm. To be active politically is more than just pursuing narrow, self-centered aims; it must also mean working to improve the lives of others in the community, and the political science major is uniquely positioned to develop students who will see such service as part of their vocation. Graduates with a political science major will not only understand government and ways to affect change, but their actions and attitudes will be informed by the teachings of Christ.

The Political Science major consists of 36-39 credits, including 30-33 required credits and credits that are chosen from a list of approved electives. All students are required to complete an internship of at least 3 credits at the local, state, or national political level. Majors will complete a two-course sequence of Experimental Psychology (PSY 245) and Senior Seminar (PSY 490), culminating in a thesis. Students must also complete a minor. The Political Science major prepares students for graduate and professional study as well as for careers in government, law, journalism, non-profit agencies, education, and the military.

#### Required Courses – 30-33 crs.

POLS 101 Introduction to Political Science — 3 cr.  
 POLS 201 American Government — 3 cr.  
 POLS 300 Comparative Politics — 3 cr.  
 POLS 310 International Relations — 3 cr.  
 POLS 359 Constitutional Law — 3 cr.  
 POLS 410 The Christian and Politics — 3 cr.  
 POLS 480 Internship — 3 to 6 cr.  
 PSY 245 Experimental Psychology — 3 cr.  
 PSY 490 Senior Seminar — 3 cr.

#### Policy course – students must complete one of the following:

POLS 221 Environmental Policy — 3 cr.  
 LEGL 230 Environmental Law — 3 cr.  
 POLS 285 American Politics and Health Care Policy — 3 cr.

#### Electives – 6 crs. minimum

Includes any course below not already counted in the major, including:  
 POLS 221 Environmental Policy — 3r.  
 LEGL 230 Environmental Law — 3 cr.  
 POLS 255 The Presidency — 3 cr.  
 POLS 285 American Politics and Health Care Policy — 3 cr.  
 POLS 491 Special Topics in Politics — 3 cr.  
 JPP 104 Introduction to Courts — 3 cr.  
 JPP 288 Terrorism — 3 cr.  
 JPP 414 White Collar/Financial Crimes — 3 cr.

### POLITICAL SCIENCE MINOR 18 crs.

Students must take three required courses and then select three other Political Science courses.

#### Required Courses – 9 crs.

POLS 101 Introduction to Political Science — 3 crs.  
 POLS 201 American Government — 3 crs.  
 POLS 410 The Christian and Politics — 3 crs.

#### Electives – 9 crs.

POLS 255 The Presidency — 3  
 POLS 300 Comparative Politics — 3 cr.  
 POLS 310 International Relations — 3 cr.  
 POLS 221 Environmental Policy — 3r.  
 LEGL 230 Environmental Law — 3 cr.  
 POLS 285 American Politics and Health Care Policy — 3 cr.  
 POLS 359 Constitutional Law — 3  
 POLS 491 Special Topics in Politics — 3 (up to 6 total)

### PRE-LAW CURRICULUM

Most accredited law schools prefer a baccalaureate degree in the liberal arts. Law students are expected to attain a high level of scholarship. During the final year at Concordia, pre-law students must take the Law School Admission Test (LSAT), and apply to the law school of their choice. Early contact with the law school of their choice is recommended. The Association of American Law Schools avoids prescribing particular courses for a pre-law program. The Association calls attention to the quality of the undergraduate experience, which it believes is fundamental to the better attainment of legal competence.

## Psychology

### PSYCHOLOGY MAJOR 36 crs.

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.

#### Required Core Courses:

COMM 105 Public Speaking  
MATH 205 Statistics I  
BIO 146 Essentials of Anatomy and Physiology

#### Required Courses:

PSY 101 General Psychology — 3 crs.  
Development Course (any one) — 3 crs.  
    PSY 221 Child Development  
    PSY 222 Adolescent Development  
    PSY 223 Adult Development  
    PSY 230 Lifespan Development  
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.  
Two 300 or 400 Level Psychology Electives\* – 6 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

#### Required Courses:

General Psychology – 3 crs.  
Development Course (any one) — 3 crs.  
    PSY 221 Child Development  
    PSY 222 Adolescent Development  
    PSY 223 Adult Development  
    PSY 230 Lifespan Development

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.  
One 300 or 400 Psychology Elective – 3 crs.

## Religion

### BIBLICAL LANGUAGES FOR TRANSLATION AND MISSIONS MAJOR 30 crs.

**Core: Courses taken as part of the core curriculum must include the following:**

|                     |                              |           |                  |
|---------------------|------------------------------|-----------|------------------|
| Bible Content:      | REL 201 Old Testament        | Culture:  | GRK 201 Greek I  |
| Christian Doctrine: | REL 204 Biblical Theology    | Language: | GRK 202 Greek II |
| Theology Elective:  | REL 210 The Great Commission |           |                  |

#### Major: 30 crs.

|  |                                   |
|--|-----------------------------------|
| ANTH 201 Cultural Anthropology — 3 crs.        | HEB 302 Hebrew II — 3 crs.        |
| COMM 460 Cross Cultural Communication — 3 crs. | HEB 401 Hebrew III — 3 crs.       |
| GRK 303 Greek III — 3 crs.                     | HEB 402 Hebrew IV — 3 crs.        |
| GRK 304 Greek IV — 3 crs.                      | REL 203 New Testament — 3 crs.    |
| HEB 301 Hebrew I — 3 crs.                      | REL 316 World Missions I — 3 crs. |

**CHRISTIAN THOUGHT MINOR 24 crs.**

**Required Core Courses:** REL 201 Old Testament; REL 204 Biblical Theology; REL XXX Theology Elective

**Required Courses - 18 crs.**

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

Students may “double dip” with a related major a maximum of one of the above courses. REL 333 A Survey of Christian Thought is recommended as the core theology elective.

**Elective – 6 crs.**

- |  |   |
|--|---|
| ART 381 Aesthetics — 3 crs.  | PHIL/COMM 372 The Lord of the Rings and Philosophy — 3 crs. |
| REL 275 Theology and Film — 3 crs.                                 | PSY 360 Psychology and Religion — 3 crs.                    |
| ENG 465 Shakespeare — 3 crs.                                       | REL 298 Faith and Culture — 3 crs.                          |
| ENG 475 Literary Criticism — 3 crs.                                | REL 307 Wisdom of Israel — 3 crs.                           |
| HIST 322 Classical World — 3 crs.                                  | REL 315 Principles of Biblical Interpretation — 3 crs.      |
| HIST 277 Byzantium — 3 crs.  | REL 340 Life of Christ — 3 crs.                             |
| HIST 356 The Middle Ages — 3 crs.                                  | REL 342 Dead Sea Scrolls — 3 crs.                           |
| HIST 358 Early Modern Europe — 3 crs.                              | REL 347 Law and Gospel in the Life of the Church — 3 crs.   |
| HIST 466 The American Idea — 3 crs.                                | REL 346 Pauline Literature — 3 crs.                         |
| HIST 475 The Reformations — 3 crs.                                 | REL 351 Prophets of Israel — 3 crs.                         |
| PHIL 211 Elementary Logic — 3 crs.                                 | REL 356 Life of Paul — 3 crs.                               |
| PHIL 240 Environmental Ethics — 3 crs.                             | REL 376 Christian Ethics — 3 crs.                           |
| PHIL 250 Moral Philosophy — 3 crs.                                 | REL 379 Religion and the Law — 3 crs.                       |
| PHIL 309 History and Philosophy of Science — 3 crs.                | REL 404 Theology of the Lutheran Confessions — 3 crs.       |
| PHIL 311 The Christian Mind — 3 crs.                               | REL 410 World Religions — 3 crs.                            |
| PHIL 333 The Life and Christian Philosophy of C. S. Lewis — 3 crs. | REL 430 Christ in the Old Testament — 3 crs.                |
| PHIL 343 The Chronicles of Narnia and Philosophy — 3 crs.          | REL 432 Psalms — 3 crs.                                     |
| PHIL 350 Bioethical Dilemmas — 3 crs.                              | REL 445 Life and Thought of Martin Luther — 3 crs.          |
| PHIL/COMM 371 Philosophy and Film — 3 crs.                         | SCI 303 Cosmogony — 3 crs.                                  |

Other approved courses may be considered.

Students may “double dip” with the Core a maximum of one of the above courses.

**LAY MINISTRY**

This program equips men and women to work under a pastor’s guidance and direction in a congregation by requiring students to specialize in two areas of ministry. The possibilities include evangelism, missions, social ministry and visitation, parish teaching, youth ministry, and pre-deaconess studies (for women who intend to enroll in the master’s degree deaconess programs at either of the Lutheran Church–Missouri Synod seminaries). Because of the nature of this work, graduates must demonstrate good human relations skills and a life worthy of Christian example. Graduates are solemnly appointed to positions in congregations, church boards, or agencies, and are eligible to be rostered in the Lutheran Church–Missouri Synod with the designation “Minister of Religion Commissioned – Lay Minister.” Concordia University Wisconsin is the only synodical school at which this program is offered. Curriculum requirements for the extension track are listed under certificate programs. Application to any of the tracks of this program involves steps in addition to application to the university. Applicants should contact the Lay Ministry office for application information.

**LAY MINISTRY MAJOR (Dual major required: Theology and Lay Ministry) 32 crs.****Required Core Courses:**

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

**Required Courses – 14 crs.**

- COMM 201 Interpersonal Communication – 3 crs.  
HHP 209 First Aid and CPR – 2 crs.  
REL 233 Communicating Bible Messages – 3 crs.  
REL XXX Theology Elective I – 3 crs.  
REL XXX Theology Elective II – 3 crs.

Specialization AAA (see program director for details):

- Elective I – 3 crs.  
Elective II – 3 crs.  
Elective III – 3 crs.

Specialization BBB (see program director for details):

- Elective I – 3 crs.  
Elective II – 3 crs.  
Elective III – 3 crs.

**Note: See Theology for major requirements**

## LAY MINISTRY CERTIFICATION COMBINED WITH RELATED MAJORS

Students who have fulfilled a major in a field compatible with lay ministry, such as parish music, parish nursing, and social work, and who wish to be certified as lay ministers, may be certified after completing the lay ministry minor (see below).

### LAY MINISTRY MINOR 24 crs.

#### Required Courses:

REL 203 New Testament – 3 crs.  
 REL 312 Office of Professional Church Worker – 3 crs.  
 REL 404 Lutheran Confessions – 3 crs.  
 REL 420 Lay Ministry Internship – 3 crs.  
 Religious Education Elective: – 3 crs.  
 REL 229 Religious Education of Youth and Adults **OR**  
 REL 233 Communicating Bible Messages **OR**  
 ED 306 Teaching the Faith **OR**  
 ED 316 Teaching the Faith for the Christian Public Educator  
**OR** ED 362 Faith Development of Young Child

Comparative Religion Elective: – 3 crs.  
 REL 388 Varieties of Belief (TEE) **OR**  
 REL 310 Religion in America **OR**  
 REL 410 World Religions  
 REL XXX Theology Elective in Outreach  
 (i.e., evangelism, missions) – 3 crs.  
 REL XXX Theology Elective in Bible I  
 (i.e., upper-level course on biblical book) – 3 crs.

### LAY MINISTRY — CERTIFICATE PROGRAM 47 crs.

The certificate program does not lead to any college degree, but may be completed through the Theological Education by Extension or Distance Learning tracks. The extension track is available in different sites around the country through a program of Theological Education by Extension.

The Theological Education by Extension model is designed for highly motivated adult learners who come together once a month for four or five times during a semester to complete a course. Candidates for certification need to meet other non-academic requirements. The Distance Learning track offers two courses per semester. The Distance Learning track requires two three-day residencies on campus for the introductory course (REL 105) and the capstone course (REL 495) Please write or call (877-266-8694) the Lay Ministry Program for further information.

#### Curriculum - Level 1 -- 31 crs.

Students completing Level 1 receive a certificate of competition

REL 105 Church Leadership Seminar — 1 cr.  
 REL 201 Old Testament — 3 crs.  
 REL 203 New Testament — 3 crs.  
 REL 204 Biblical Theology — 3 crs.  
 REL 221 Lutheran Worship — 3 crs.  
 REL 233 Communicating Bible Messages — 3 crs.  
 REL 311 Church in Mission (outreach elective) — 3 crs.  
 REL 383 Gospel of Luke (Bible elective I) — 3 crs.  
 REL 387 Christ's People through the Ages  
 (theology elective) — 3 crs.  
 REL 287 Christian Care Giving — 3 crs.  
 ED 306 Teaching the Faith  
 (religious education elective) — 3 crs.

#### Curriculum - Level 2 -- 16 crs.

Students completing Level 2 are eligible to be rostered as Lay Ministers in the LCMS.

REL 312 Office of the Professional  
 Church Worker — 3 crs.  
 REL 328 Family and Youth Ministry  
 (elective in youth ministry or evangelism) — 3 crs.  
 REL 388 Varieties of Belief  
 (comparative religions elective) — 3 crs.  
 REL 404 Lutheran Confessions — 3 crs.  
 REL 420 Lay Ministry Internship — 3 crs.  
 REL 495 Lay Ministry Seminar — 1 cr.

#### Placement

The placement process for extension graduates is the same as for the four year graduates. However, placement for extension graduates tends to be more difficult. Most individuals entering the extension track are already serving in the church.

#### Certification

Students completing the extension track receive the same certification as four year students. The student must have a minimum of an Associate of Arts degree to be certified.

**MISSIONS MAJOR 30 crs.****Required Core Courses:**

Bible Content: REL 201 Old Testament  
 Christian Doctrine: REL 204 Biblical Theology  
 Theology Elective: REL 210 The Great Commission

**Required Courses - 24 crs.**

COMM 460 Cross Cultural Communication — 3 crs.  
 REL 203 New Testament — 3 crs.  
 REL 215 Friendship Evangelism — 3 crs.  
 REL 298 Faith and Culture — 3 crs.  
 REL 311 Church in Mission — 3 crs.

**MISSIONS MINOR 21 crs.****Required Core Courses:**

Bible Content: REL 201 Old Testament  
 Christian Doctrine: REL 204 Biblical Theology  
 Theology Elective: REL 210 The Great Commission

**PHILOSOPHY MAJOR 39 crs.**

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 Philosophy major is complemented by the following recommended minors: computer science, history, political science, mass communications, legal studies, English, and pre-seminary studies.

The emphasis on the careful statement and evaluation of arguments makes a philosophy minor or major 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.

**Required Core Courses:**

REL 201 The Old Testament (Bible Content) — 3 crs.  
 REL 204 Biblical Theology (Christian Doctrine) — 3 crs.  
 REL XXX Theology elective — 3 crs.  
 PHIL 201 Introduction to Philosophy (narrative core; philosophical foundations) — 3 crs.  
 (double-dipped with minor, but not with major)

**Required Courses - 27 crs.**

PHIL 250 Moral Philosophy — 3 crs.  
 PHIL 211 Elementary Logic — 3 crs.  
 PHIL 311 The Christian Mind — 3 crs.  
 PHIL 325 Christian Apologetics — 3 crs.  
 PHIL 400 Ancient Philosophy — 3 crs.  
 PHIL 450 Modern Philosophy — 3 crs.  
 REL 203 The New Testament (to complete the pair with REL 201 in the core) — 3 crs.  
 REL 490 Senior Seminar I — 3 crs.  
 REL 491 Senior Seminar II — 3 crs.

**Elective Courses - 12 crs. minimum**

PHIL 240 Environmental Ethics — 3 crs.  
 PHIL 309 History and Philosophy of Science — 3 crs.

REL 316 World Missions I — 3 crs.  
 REL 326 World Missions II — 3 crs.  
 REL 410 World Religions — 3 crs.

**Electives - 6 crs. (choose from the following)**

ANTH 201 Cultural Anthropology — 3 crs.  
 GEOG 220 Cultural Geography — 3 crs.  
 GEOG 248 India: People, Cultures, & Traditions — 3 crs.  
 HIST 241 Introduction of Latin America — 3 crs.  
 HIST 246 History of Japan — 3 crs.  
 REL 416 The Practice of Missions (missions trip) — 3 crs.  
 SPAN 101 Beginning Spanish I — 4 crs.

**Required Courses - 21 crs.**

COMM 460 Cross Cultural Communication — 3 crs.  
 REL 203 New Testament — 3 crs.  
 REL 215 Friendship Evangelism — 3 crs.  
 REL 298 Faith and Culture — 3 crs. **OR**  
 REL 311 Church in Mission  
 REL 316 World Missions I — 3 crs.  
 REL 326 World Missions II — 3 crs.  
 REL 410 World Religions — 3 crs.

PHIL 333 C. S. Lewis: His Life and Christian Philosophy — 3 crs.  
 PHIL 334 Christ and Culture — 3 crs.  
 PHIL 343 The Chronicles of Narnia and Philosophy — 3 crs.  
 PHIL 350 Bioethical Dilemmas — 3 crs.  
 PHIL 370 The Philosophy of the Mind — 3 crs.  
 PHIL/COMM 371 Philosophy and Film — 3 crs.  
 PHIL/COMM 372 The Lord of the Rings and Philosophy — 3 crs.  
 PHIL/ART 381 Aesthetics — 3 crs.  
 PHIL 411 Advanced Logic — 3 crs.  
 ENG 350 Classical and Modern Rhetoric — 3 crs.  
 ENG 475 Literary Criticism — 3 crs.  
 POLS 410 The Christian and Politics — 3 crs.  
 REL 333 A Survey of Christian Thought — 3 crs.  
 REL 388 Varieties of Belief — 3 crs.

Other approved courses relevant to the student's special area of interest in philosophy (e.g. a relevant history course if they are interested in philosophy of history, a relevant science course if interested in philosophy of science).

**PHILOSOPHY MINOR 24 crs.****Required Core Courses:**

REL 201 The Old Testament (Bible Content) — 3 crs.  
 REL 204 Biblical Theology (Christian Doctrine) — 3 crs.  
 REL XXX Theology elective — 3 crs.  
 PHIL 201 Introduction to Philosophy (narrative core; philosophical foundations) —3 crs.  
 (double-dipped with minor, but not with major)

**Required Courses - 12 crs.**

PHIL 201 Introduction to Philosophy—3 crs.  
 (double-dipped with core)  
 PHIL 250 Moral Philosophy—3 crs.  
 PHIL 211 Elementary Logic **OR**  
 PHIL 325 Christian Apologetics—3 crs.  
 REL 203 The New Testament (to complete the pair with REL 201 in the core)—3 crs.

**Elective Courses - 12 crs.**

PHIL 240 Environmental Ethics — 3 crs.  
 PHIL 309 History & Philosophy of Science — 3 crs.

PHIL 311 The Christian Mind — 3 crs.  
 PHIL 325 Christian Apologetics (if not used as the logic course above) — 3 crs.  
 PHIL 333 C. S. Lewis: His Life and Christian Philosophy — 3 crs.  
 PHIL 334 Christ and Culture — 3 crs.  
 PHIL 343 The Chronicles of Narnia and Philosophy — 3 crs.  
 PHIL 350 Bioethical Dilemmas in Contemporary Society — 3 crs.  
 PHIL 370 Philosophy of the Mind — 3 crs.  
 PHIL/COMM 371 Philosophy and Film — 3 crs.  
 PHIL/COMM 372 The Lord of the Rings and Philosophy — 3 crs.  
 PHIL/ART 381 Aesthetics — 3 crs.  
 PHIL 400 Ancient Philosophy — 3 crs.  
 PHIL 411 Advanced Logic — 3 crs.  
 PHIL 450 Modern Philosophy — 3 crs.  
 ENG 475 Literary Criticism — 3 crs.  
 Independent Study (can be used for capstone course for individualized major) — 3 crs.

**THE 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 Wisconsin. 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 theology office.
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 theology 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 MAJOR 30 crs.**

REL 221 Lutheran Worship — 3 crs.

REL 490 Senior Seminar I — 3 crs.

REL 491 Senior Seminar II — 3 crs.

Theology Elective I: 3 crs.

Theology Elective II: 3 crs.

Bible Elective: Upper level — 3 crs.

Speech Elective — 3 crs.

COMM 205 Advanced Public Speaking

Writing Elective — 3 crs.

ENG 245 Advanced Writing

ENG 246 Creative Writing

ENG 350 Rhetoric

Social Science Elective — 3 crs.:

PSY 101 General Psychology, **OR**

*if General Psychology was taken in the core,*

SOC 101 Introduction to Sociology

Philosophy Elective — 3 crs.

PHIL XXX Elective **OR**

*if Philosophy was taken in the core,*

a Literature elective

**THEOLOGICAL LANGUAGES MAJOR 33 crs.****Required Core:**

REL 201 Old Testament

REL 204 Biblical Theology

REL XXX Theology Elective

**Required Courses:**

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

GER/LAT Language Elective I — 3 crs.

GER/LAT Language Elective II — 3 crs.

(Second semester of Language Elective I)

GRK 201 Greek I — 3 crs.

GRK 202 Greek II — 3 crs.

GRK 303 Greek III — 3 crs.

GRK 304 Greek IV — 3 crs.

GRK 401 Luke & Septuagint — 3 crs.

GRK 402 NT & Septuagint — 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.

REL 203 New Testament — 3 crs.

**THEOLOGICAL LANGUAGES MINOR 21 crs.**

Must include at least 18 credits of languages from the theological languages major in addition to the 3 credits of REL 203 New Testament (in addition to a further 6 language credits needed for the core). Students are encouraged to complete two full years of Greek and two full years of Hebrew. If a student cannot complete the two years of Greek and Hebrew successfully, other language courses from the list can be used to fulfill the 21 required credits for this minor.

**THEOLOGY MAJOR 30 crs.****Required Core:**

REL 201 Old Testament  
REL 204 Biblical Theology  
REL XXX Theology Elective

**Required Courses – 30 crs.**

REL 203 New Testament — 3 crs.  
Theology/Philosophy Elective — 3 crs.  
REL 404 Lutheran Confessions  
(for all church-work students) **OR**  
REL 347 Law and Gospel in Life of Church **OR**  
REL 333 A Survey of Christian Thought **OR**  
PHIL 325 Christian Apologetics **OR**  
PHIL 334 Christ and Culture  
Office of Church Worker Elective — 3 crs.  
REL 312 Office of Professional Church Worker **OR**  
ED 411 Professional Ethics (for education students)  
Internship Elective — 3 crs.  
REL 420 Lay Ministry Internship **OR**  
ED XXX Student Teaching (for education students)  
Religious Education Elective — 3 crs.  
REL 229 Religious Education of Youth and Adults **OR**  
REL 233 Communicating Bible Messages **OR**  
ED 306 Teaching the Faith **OR**  
ED 307 Teaching the Faith for the  
Christian Public Educator **OR**  
ED 362 Faith Development of Young Child  
Comparative Religion Elective — 3 crs.  
REL 388 Varieties of Belief (TEE) **OR**  
REL 310 Religion in America **OR**  
REL 410 World Religions  
REL XXX Theology Elective in Outreach  
(i.e., evangelism, missions) — 3 crs.  
REL XXX Theology Elective in Bible I  
(i.e., upper-level course on biblical book) — 3 crs.  
REL XXX Theology Elective in Bible II  
(i.e., upper-level course on biblical book) — 3 crs.  
REL 221 Lutheran Worship — 3 crs.

**YOUTH MINISTRY MINOR 23 crs.**

The Youth Ministry Minor equips students to minister to the faith needs of young people. Youth Ministry Minors receive training to administer youth ministry programs in a variety of settings, or to serve in any number of support capacities for youth ministry within a congregation. The Youth Ministry Minor is not restricted to students enrolled in professional church work programs. Students who are majoring in other fields of study and desire to be of service to youth through their congregational youth programs are encouraged to enroll.

**Required Core Courses:**

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

**Required Courses:**

COMM 201 Interpersonal Communication — 3 crs.  
HHP 209 First Aid and CPR — 2 crs.  
PSY 222 Adolescent Development  
(prerequisite PSY 101) — 3 crs.  
REL 203 New Testament — 3 crs. (may be double-dipped  
with requirement in church work program)

**THEOLOGY MINOR 18 crs.****Required Core:**

REL 201 Old Testament  
REL 204 Biblical Theology  
REL XXX Theology Elective

**Required Courses – 18 crs.**

REL 203 New Testament — 3 crs.  
Theology/Philosophy Elective — 3 crs.  
REL 404 Lutheran Confessions  
(for all church-work students) **OR**  
REL 347 Law and Gospel in Life of Church **OR**  
REL 333 A Survey of Christian Thought **OR**  
PHIL 325 Christian Apologetics **OR**  
PHIL 334 Christ and Culture  
Office of Church Worker Elective — 3 crs.  
REL 312 Office of Professional Church Worker **OR**  
ED 411 Professional Ethics (for education students)  
Internship Elective — 3 crs.  
REL 420 Lay Ministry Internship **OR**  
ED XXX Student Teaching (for education students)  
Religious Education Elective — 3 crs.  
REL 229 Religious Education of Youth and Adults **OR**  
REL 233 Communicating Bible Messages **OR**  
ED 306 Teaching the Faith **OR**  
ED 316 Teaching the Faith for the  
Christian Public Educator **OR**  
ED 362 Faith Development of Young Child  
Comparative Religion Elective — 3 crs.  
REL 388 Varieties of Belief (TEE) **OR**  
REL 310 Religion in America **OR**  
REL 410 World Religions

REL 227 Youth Ministry I — 3 crs.  
REL 229 Religious Education of Youth and Adults — 3 crs.  
(Lutheran teachers who have taken ED 306 may take  
an outreach elective instead)  
REL 245 Ministry Practicum (in youth ministry) — 3 crs.  
REL 327 Youth Ministry II — 3 crs.

## Social Sciences

### SOCIAL SCIENCE MINOR 21 crs.

The Social Science Minor for the Psychology program is earned by completing 15 credits of required courses listed below and by selecting two of the three credit classes from the list of electives below.

#### Required Courses

PSY 101 Gen. Psychology  
(which is not required by major) **OR**  
SOC 101 Intro to Sociology — 3 crs.  
SOC 203 Contemporary Social Problems — 3 crs.  
SOC 255 Urban Society — 3 crs.  
SOC 365 Drugs, Society and Human Behavior — 3 crs.  
SOC 375 Understanding Death & Dying — 3 crs.

#### Electives (Choose two)

COMM 390 Conflict Management — 3 crs.  
COMM 460 Cross Cultural Communications — 3 crs.  
REL 287 Christian Care Giving — 3 crs.  
POLS 285 American Government and  
Health Care Politics — 3 crs.  
SOC 343 Women's Health — 3 crs.

### SOCIAL WELFARE MINOR 18 crs.

#### Required Courses - 9 crs.:

SW 100 Introduction to Social Work — 3 crs.  
SW 205 Introduction to Social Welfare — 3 crs.  
SW 346 Human Behavior/  
The Social Environment I — 3 crs.

#### Electives - 9 crs.

*Choose from the following:*

POLS 285 American Politics & Health Care Policy — 3 crs.  
SW 306 Social Welfare Policy & Programs — 3 crs.  
SW 347 Human Behavior/The Social Environment — 3 crs.  
SW 375 Understanding Death & Dying — 3 crs.  
SW 392 Aging & The Social Environment — 3 crs.

### WOMEN'S STUDIES MINOR 21 crs.

#### Required Courses - 3 crs.

WST 101 Introduction to Women's Studies — 3 crs.

#### Electives: Choose 18 crs.

COMM 354 Gender and Communication — 3 crs.  
ENG 370 Women's Literature — 3 crs.  
HIST 464 Women in America — 3 crs.  
HHP 414 Women in Sport — 3 crs.

POLS 491 Special Topics: Women in Politics — 3 crs.  
PSY 312 Marriage and the Family — 3 crs.  
PSY 340 Sex Role Development — 3 crs.  
REL 357 Women in the Church — 3 crs.  
SOC 203 Contemporary Social Problems — 3 crs.  
SOC 343 Women's Health — 3 crs.  
WST 465 Special Topics in Women's Studies — 3 crs.

### LEGAL STUDIES MINOR 18 crs.

The minor in legal studies is designed primarily for students in business, education, and criminal justice who increasingly find themselves subject to various laws and government regulations. A basic knowledge of these laws is beneficial, if not essential, for anyone seeking a career in these areas. The legal studies minor also provides an excellent background in law and legal reasoning for those students contemplating law school after graduation from Concordia. The minor provides a good foundation for graduate law studies along with courses in English, history, philosophy, political science, criminal justice and languages. Students may partially customize their course of study to reflect their interests in different legal topics.

#### Required Courses:

JPP 101 American Government - 3 crs.  
LEGL 359/POLS 359 Constitutional Law - 3 crs.

#### Plus a choice of any four of these six courses:

BUS 210 Business Law I - 3 crs.  
BUS 310 Business Law II - 3 crs.  
LEGL 221 Corporate Law - 3 crs.  
LEGL 230 Environmental Law - 3 crs.  
LEGL 331 Administrative Law - 3 crs.  
JPP 308 Procedural Criminal Law - 3 crs.

# School of Business Administration

The two divisions therein are the Business Division and the Legal Studies Division. In addition, two associate degree programs and a special cooperative program exist.

| Core Requirements                                   | Course  | Credits   | Business | JPP |
|---|---|-----------|----------|-----|
| Theology - 9 crs<br>Common core                     | REL 100 The Bible as Literature                 | 3         | *        | *   |
|   | REL 110 Intro to Christian Theology             | 3         | *        | *   |
|   | Theology Elective                               | 3         | **       | **  |
| Philosophical Foundations - 3 crs<br>Narrative Core | LA 105 Higher Education: A New Experience       | 3         | *        | *   |
| Literature - 3 crs<br>Common Core                   | ENG 103 Civilization & Worldviews - Literature  | 3         | *        | *   |
| History - 3 crs.<br>Common Core                     | HIST 103 Civilization & Worldviews - History    | 3         | *        | *   |
| Creative Arts - 3 crs.<br>Distributive Core         | Choose an approved Art, Music or Theatre Course | 3         | **       | **  |
| Culture - 3 crs.<br>Narrative Core                  | Choose an approved Culture Course               | 3         | **       | **  |
| Language - 3 crs.<br>Distributive Core              | Choose an approved Language Course              | 3         | **       | **  |
| Social Sciences -3 crs<br>Distributive Core         | PSY 101 General Psychology                      | 3         | *        | *   |
| Citizenship - 3 crs<br>Narrative Core               | ECON 222 Macroeconomics                         | 3         | *        |     |
|   | JPP 101 American Government                     |           |          | *   |
| Science - 4 crs<br>Distributive Core                | Choose an approved Science course with Lab      | 4         | **       | **  |
| Writing - 3 crs<br>Common Core                      | ENG 104 Introduction to Writing                 | 3         | *        | *   |
| Communications - 3 crs<br>Narrative Core            | COMM 201 Interpersonal Comm.                    | 3         | *        | *   |
|   |   |           |          |     |
| Mathematics - 3 crs<br>Distributive Core            | BUS 315 Business Statistics+                    | 3         | *        |     |
|   | MATH 125 Contemporary Mathematics               | 3         |          | *   |
| Phys. Education - 2 crs                             | HHP 100 Introduction to Lifetime Fitness        | 1         | *        | *   |
| Distributive Core                                   | HPP Activity Course                             | 1         | **       | **  |
|   |   | TOTAL: 48 |          |     |

\* = specific course required

\*\* = choice of course from approved list

+ Actuarial Science majors take MATH 205 in place of BUS 315

## Business

**SUGGESTED FIRST YEAR PROGRAM** First year business majors are advised to enroll in the following courses:

### FALL

|                                      |        |
|--------------------------------------|--------|
| BUS 130 Principles of Management     | 3 crs. |
| CSC 150 Intro to Computer Science    | 3 crs. |
| ENG 104 Introduction to Writing      | 3 crs. |
| COMM 201 Interpersonal Communication | 3 crs. |
| LA 105 Higher Ed, New Experience     | 3 crs. |

### SPRING

|  |        |
|--|--------|
| ACCT 201 Accounting Principles I       | 3 crs. |
| REL 100 The Bible                      | 3 crs. |
| MKTG 131 Principles of Marketing       | 3 crs. |
| ENG 103 Civilization and WorldView-Lit | 3 crs. |
| HHP 100 Intro to Lifetime Fitness      | 1 cr.  |
| PSY 101 General Psychology             | 3 crs. |

### 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.

### THE CORE CURRICULUM 48 credits

#### BUSINESS CORE MAJOR 48 Total/42 Actual crs.

- ACCT 201 Accounting Principles I – 3 crs.
- ACCT 202 Accounting Principles II – 3 crs.
- ACCT 223 Managerial Accounting – 3 crs.
- BUS 130 Principles of Management – 3 crs.
- BUS 210 Business Law I – 3 crs.
- BUS 315 Business Statistics – 3 crs.  
*(counted in University Core)*
- BUS 336 Human Resource Management – 3 crs.
- BUS 355 Management Information System – 3 crs.
- BUS 399 Internship – 3 crs.
- BUS 453 Business Policy – 3 crs.
- BUS 150 Introduction to Business Information  
Technology – 3 crs.
- ECON 231 Micro Economics – 3 crs.
- COMM 201 Interpersonal Communication – 3 crs.  
*(counted in University Core)*
- FIN 300 Principles of Finance – 3 crs.
- MKTG 131 Principles of Marketing – 3 crs.

#### BUSINESS MINOR 21 crs.

- ACCT 201 Accounting Principles I – 3 crs.
- ACCT 223 Managerial Accounting – 3 crs.
- BUS 210 Business Law I – 3 crs.
- BUS 336 Human Resource Management **OR**  
BUS 340 Organizational Behavior
- ECON 200 Principles of Economics – 3 crs.
- FIN 300 Principles of Finance – 3 crs.
- MKTG 131 Principles of Marketing – 3 crs.

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

### The specific majors and minors follow.

All Business majors must complete all listed degree requirements and earn a minimum total of 126 credits to graduate. Both the cumulative grade point average and the average for all Business courses attempted must be 2.0 or above.

### ACCOUNTING MAJOR

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. The following courses are required under both options:

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

- \*\* ACCT 323 Cost Accounting – 3 crs.
- \*\* ACCT 310 Intermediate Accounting I – 3 crs.
- \*\* ACCT 311 Intermediate Accounting II – 3 crs.
- \*\* ACCT 330 Advanced Accounting – 3 crs.
- \*\* ACCT 350 Income Tax I – 3 crs.
- \*\* ACCT 360 Income Tax II – 3 crs.
- \*\* ACCT 420 Auditing – 3 crs.

TOTAL 21 crs.

- MBA 532/ACCT 432 NFP/Governmental Acct – 3 crs.
- MBA 530 Corporate Finance – 3 crs.
- MBA 575 Business Ethics – 3 crs.
- MBA 576 Fraud Management – 3 crs.
- MBA 580 Leadership/Organizational Behavior – 3 crs.
- MBA 590 Strategic Management – 3 crs.
- MBA 621 Financial Institutions – 3 crs.
- MBA 622 Risk Management & Insurance – 3 crs.
- MBA 623 Statutory Accounting – 3 crs.
- MBA 625 Securities Analysis – 3 crs.
- MBA 626 Portfolio Mathematics – 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 Advanced Auditing -3crs  
 ACCT 432 Governmental & Not-for-Profit Accounting -3 crs  
 ACCT 441 Mergers and Acquisitions -3 crs  
 BUS 310 Business Law II and Ethics -3crs  
 BUS 429 Production/Operations Management -3crs.

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

Beginning in the Fall, 2013 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 each of the three required 200-level accounting classes (ACCT 201, 202, and 223). Each student will then be required to earn a minimum grade of C in each of their upper-level accounting courses

#### **ACCOUNTING MINOR 21 crs.**

ACCT 201 Accounting Principles I – 3 crs.  
 ACCT 202 Accounting Principles II – 3 crs.  
 ACCT 223 Managerial Accounting – 3 crs.  
 ACCT 310 Intermediate Accounting I – 3 crs.  
 ACCT 311 Intermediate Accounting II – 3 crs.  
 ACCT 330 Advanced Accounting I – 3 crs.  
**OR** ACCT 420 Auditing  
 ACCT 350 Income Tax I – 3 crs.

#### **ACTUARIAL SCIENCE MAJOR 39 crs.**

FIN 310 Basic Investing – 3 crs.  
 FIN 315 Insurance Principles/Practice – 3 crs.  
 FIN 321 Financial Mathematics for Actuaries – 3 crs.  
 FIN 340 Corporate Finance – 3 crs.  
 LEGL 221 Corporate Law – 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 305 Statistics II – 3 crs.  
 MATH 322 Probability Theory for Actuaries - 2 crs.  
 MATH 325 Linear Algebra/Equations – 4 crs.

#### **ECONOMICS MAJOR 21 crs.**

ECON 222 Macroeconomics – 3 crs.  
 ECON 231 Microeconomics – 3 crs.  
 ECON 315 Macroeconomic 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 322 Intermediate Macroeconomics – 3 crs.  
 ECON 331 Intermediate Microeconomics – 3 crs.  
 Economics Electives - 6 crs.  
 \*ECON 200 cannot be used as an elective in the minor

#### **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 21 crs.**

BUS 130 Principles of Management – 3 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/ECON 430 International Finance – 3 crs.

#### **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.

**HUMAN RESOURCE MANAGEMENT MINOR 24 crs.**

COMM 247 Business Writing – 3 crs.  
 COMM 300 Group Dynamics – 3 crs.  
 COMM 385 Interviewing Principles – 3 crs.  
 COMM 390 Conflict Management – 3 crs.

BUS 340 Organization Behavior – 3 crs.  
 BUS 210 Business Law I – 3 crs.  
 BUS 336 Human Resource Management – 3 crs.  
 BUS 399 Internship – 3 crs.

**INTERNATIONAL BUSINESS MAJOR 35 crs.**

ECON 370 International Economics – 3 crs.  
 MKTG 440 International Marketing – 3 crs.

Foreign Languages – 17 crs.  
 Semester Abroad  
 (International Business Emphasis) – 12 crs.

**MANAGEMENT MAJOR 21 crs.**

BUS 340 Organizational Behavior - 3 crs  
 BUS 360 Small Business Administration – 3 crs.  
 BUS 429 Production/Operations Management - 3 crs

BUS 422/MBA 622 Risk Management & Insurance - 3 crs  
 ECON 370 International Economic – 3 crs.  
 FIN 315 Introduction to Insurance – 3 crs.  
 MKTG 223 Public Relations – 3 crs.  
 MKTG 422 Marketing Management – 3 crs.

**MANAGEMENT MINOR 30 crs.**

ACCT 201 Accounting Principles I – 3 crs.  
 ACCT 202 Accounting Principles II – 3 crs.  
 ACCT 223 Managerial Accounting – 3 crs.  
 BUS 130 Principles of Management – 3 crs.  
 BUS 210 Business Law I – 3 crs.

BUS 310 Business Law II & Ethics – 3 crs.  
 BUS 336 Human Resource Management – 3 crs.  
 BUS 150 Introduction to Business Technology – 3 crs.  
 ECON 200 Principles of Economics – 3 crs.  
 MKTG 131 Principles of Marketing – 3 crs.  
 Management Minor cannot be taken by Business Majors

**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 – 9 crs.**

BUS 130 Principles of Management – 3 crs.  
 MKTG 131 Principles of Marketing – 3 crs.  
 MKTG 422 Marketing Management

**Electives: Choose 3 of the following courses – 9 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 426 Marketing Research – 3 crs.

**SPORT AND ENTERTAINMENT MANAGEMENT MAJOR 33 crs.****Required Core:**

HHP 100 Introduction to Lifetime Fitness – 1 cr.

**Required Courses:**

HHP 209 First Aid and CPR – 2 crs.  
 HHP 275 Administration and Organization of Sport and Recreation – 3 crs.  
 HHP 280 Psychology of Sport – 3 crs.  
 SMA 290 Introduction to Sport, Recreation and Entertainment Management – 3 crs.

SMA 300 Social Aspects of Sports – 3 crs.  
 SMA 310 Legal and Ethical Issues in Sport and Recreation – 3 crs.  
 SMA 320 Facility Design and Management in Sport/Recreation – 3 crs.  
 SMA 330 Sport Economics and Finance – 3 crs.  
 SMA 340 Sport/Recreation and Entertainment Internship – 6 crs.  
 SMA 350 Marketing of Sport, Recreation and Entertainment – 3 crs.

**SPORT AND ENTERTAINMENT MANAGEMENT MINOR 21 crs.**

HHP 275 Administration and Organization of Sport and Recreation – 3 crs.  
 SMA 290 Introduction to Sport, Recreation and Entertainment - 3 crs.  
 SMA 300 Social Aspects of Sports – 3 crs.

SMA 310 Legal and Ethical Issues in Sport and Recreation – 3 crs.  
 SMA 320 Facility Design and Management in Sport/Recreation – 3 crs.  
 SMA 330 Sport Economics and Finance – 3 crs.  
 SMA 350 Sport and Entertainment Marketing – 3 crs.  
 SMA 340 Sport/Recreation Internship – 3 crs.

## Criminal Justice & Public Policy

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. Core curriculum requires the satisfactory completion of 48 credits. The major consists of 42 credits. The Criminal Justice and Public Policy program does not require a minor.

### CRIMINAL JUSTICE & PUBLIC POLICY MAJOR 42 crs.

JPP 101 American Government – 3 crs.

*(counted in University Core)*

JPP 102 Intro to Law Enforcement – 3 crs.

JPP 103 Criminology – 3 crs.

JPP 104 Intro to Courts – 3 crs.

JPP 105 Foundations of Justice – 3 crs.

JPP 110 Juvenile Theory – 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 of Justice – 3 crs.

JPP 311 Criminal Psychology – 3 crs.

JPP 399 Internship – 3 crs.

JPP 415 Ethics in Criminal Justice – 3 crs.

JPP 416 Careers in Criminal Justice – 3 crs.

### OPTIONAL SPECIALIZATION

Criminal Justice and Public Policy students have nine areas of concentration from which to choose, in addition to the General Criminal Justice and Public Policy course of instruction, which is option 1.

Note: to graduate a student must successfully complete 126 credits.

Option 1: General Option – Criminal Justice and Public Policy Major and elective credits.

Option 2: Corrections Option - Criminal Justice and Public Policy Major and specific Social Science electives.

Option 3: Department of Natural Resources Warden Option - Criminal Justice and Public Policy Major and specific Science electives.

Option 4: Forensic Science Option - Criminal Justice and Public Policy Major and specific Science electives.

Option 5: Law Enforcement Option - Criminal Justice and Public Policy Major, State Law Enforcement Training Academy, and 6 credit Law Enforcement Internship.

Option 6: ROTC Option - Criminal Justice and Public Policy Major, and Military Science Minor.

Option 7: Legal Studies Option- Criminal Justice and Public Policy Major and Legal Studies Minor concentration.

Option 8: Security Management Option - Criminal Justice and Public Policy Major, specific Business School electives and 3 credit Security Internship.

Option 9: Special Agent Option - Criminal Justice and Public Policy Major, Accounting of Business Minor, and JPP 414.

### SUGGESTED CRIMINAL JUSTICE & PUBLIC POLICY ELECTIVES

|          |   |
|----------|---|
| LEGL 230 | Environmental Law                       |
| JPP 288  | Terrorism                               |
| JPP 312  | Forensic Science                        |
| JPP 313  | Organized Crime                         |
| JPP 400  | Law Enforcement Certification Practicum |
| JPP 414  | White Collar Crime                      |



## Business Communication

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### THE BUSINESS COMMUNICATION MAJOR OR MINOR \* - not required for Minor

The *Business Communication Major* (40 credits) is fulfilled by taking the following courses plus the 18 credit Communication Core. The *Business Communication Minor* (21 credits) is earned by completing each of the classes in this list.

COMM 191\* Beacon — 1 cr.

COMM 205 Advanced Public Speaking — 3 crs.

COMM 247 Business Writing — 3 crs.

COMM 300 Group Dynamics — 3 crs.

COMM 333 Servant Leadership **OR**

COMM 354 Gender and Communication — 3 crs.

COMM 380 Organizational Communication — 3 crs.

COMM 385 Interviewing Principles (taken in COMM Core; required for Minor) — 3 crs.

COMM 390 Conflict Management — 3 crs.

BUS 130\* Principles of Management — 3 crs.

The Teacher Education Program at Concordia University Wisconsin prepares teachers to help their students to develop in mind, body, and spirit for service to Christ in the Church and the world.

## TEACHER EDUCATION PROGRAMS

### LUTHERAN TEACHING MINISTRY – WISCONSIN PUBLIC EDUCATION

Concordia University offers strong programs for preparing teachers for Lutheran, public, and private education. All teacher education programs are approved by the Wisconsin Department of Public Instruction. Successful completion of one of Concordia's teacher education programs enables graduates to be eligible for a Wisconsin teaching license. Students who are members of The Lutheran Church – Missouri Synod and are preparing for the teaching ministry of the LCMS will receive a Lutheran Teaching Certificate. In addition, Concordia offers a Christian Public educator program which prepares individuals for a teaching ministry in a Christian or public school setting.

Programs are available leading to licensure in Early Childhood Education (Birth to Grade 3), Early Childhood Regular and Special Education (Birth to Grade 3), Elementary/Middle Education Grades 1-8 (Middle Childhood through Early Adolescence), Elementary/Middle Regular Education and Cross-Categorical Special Education (Middle Childhood through Early Adolescence), Secondary Education Grades 5 or 6-12 (Early Adolescence through Adolescence, Cross-Categorical Special Education (Early Adolescence through Adolescence), as well as K-12 education (Early Childhood through Adolescence) in certain subject areas. The Secondary education program requires a licensable subject area major. The Elementary /Middle School program requires an additional subject area minor or a dual major, and the Early Childhood program requires an additional minor or concentration. K-12 programs are available in Art Education, Business Education, General/Choral Music, German, General/Instrumental Music, Physical Education, and Spanish.

Undergraduate admission is processed through the Admissions Department. For individuals who have already completed a baccalaureate degree, a program leading to licensure in one of the above areas is also available. Students who have acquired a Bachelors' degree and now want to earn a Wisconsin license must contact the Graduate Education Office.

### Application to the School of Education

Students must apply for initial admission to the School of Education. Application to the School of Education typically occurs after the successful completion of ED 102 Foundations of Education or AE 102 Foundations of Art Education. Students who wish to be admitted to the School of Education shall meet the following requirements:

1. Successfully completed ED 102 Foundations of Education or AE 102 Foundations of Art Education
2. Portfolio I presentation approved
3. Recommended by faculty advisor
4. Confidential background verification form with criminal background check
5. Submitted School of Education Admission application to the School of Education

### Application for Entry into the Teacher Education Program (Upper Division Status)

Since education is a demanding profession in regard to talents, personality, knowledge, teaching skills, and Christian example, it is important that only the most highly qualified students, who demonstrate the highest potential for professional success, be admitted to the Teacher Education Program. For these reasons, the following criteria have been established to receive Upper Division Status and acceptance into the 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. GPA of 2.5 on a 4.0 scale;
3. Successful completion of Praxis I (PPST) Tests;
4. Successful completion of General, Multicultural, and Special Education Clinical Experiences;
5. Successful completion of Portfolio I and II;
6. Confidential background verification form with criminal background check
7. Submission of completed UDS Application Form;

NOTE: To maintain Upper Division Status, a student must maintain at least a 2.5 GPA. In addition, a GPA of 2.75 is required for both student teaching and a Wisconsin Teaching License.

NOTE: Check with the Education Office for timely information on additional requirements for completing the Wisconsin teacher license program.

**Acceptance Procedure:**

1. Notification of acceptance or non-acceptance into the program will be made by letter.
2. A copy of this letter is filed in the applicant's folder in the Teacher Education Office.

**Wisconsin Licensure**

To successfully complete the teacher education program and be recommended for a Wisconsin teaching license, the undergraduate candidate must have:

1. met the university credit requirements
  - a. Minimum of 126 college credits.
  - b. Minimum of 36 credits at Concordia University Wisconsin.
  - c. Minimum of 20 education credits at Concordia University Wisconsin.
2. earned a minimum of 2.75 GPA for all college credits.
3. met course requirements for the appropriate education program.
4. received full upper division status
5. met all Wisconsin Department of Public Instruction requirements.
6. been recommended by the Education Division faculty to receive the appropriate teaching license.
7. passed a content test (Praxis II or Language Testing International) in teaching major(s) (early childhood education, elementary/middle school education, subject areas for secondary and K-12 education) as well as teaching minor(s) when applicable.
8. (if Lutheran Education emphasis) taken the required theology courses and received the recommendation of the Concordia University faculty for teaching in schools of the Lutheran Church-Missouri Synod.

## Early Childhood

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*Birth to Age 8*

|                                     |                     |
|-------------------------------------|---------------------|
| CORE CURRICULUM:                    | 55-61 crs.          |
| LUTHERAN/CHRISTIAN PUBLIC ED MAJOR: | 73 crs.             |
| PUBLIC ED MAJOR:                    | 67 crs.             |
| CONCENTRATION/MINOR:                | <u>18-24 crs.</u>   |
| <b>TOTAL</b>                        | <b>140-158 crs.</b> |

NOTE: Check with the Chair of the Early Childhood Education Department for possible changes in this major.

**CORE CURRICULUM 55-61 credits**

**Common Core – 15-18 credits**

Theology (Lutheran and Christian Public Education Emphasis) – 9 crs.

- REL 201 Old Testament
- REL 203 New Testament
- REL 204 Biblical Theology

**OR** (Public Education Emphasis) – 6 crs.

- REL 100 The Bible
- REL 110 Christian Faith

History: HIST 103 Civilization & Worldviews: History – 3 crs.

Literature: ENG 103 Civilization & Worldviews:

Literature – 3 crs.

Writing: ENG 104 Introduction to Writing – 3 crs.

**Narrative Core – 12 credits**

Citizenship: POLS 201 American Government – 3 crs.

Communication: COMM 105 Public Speaking **OR**

COMM 201 Interpersonal Communication – 3 crs.

Culture: ED 103 Human Relations – 3 crs.

Philosophical Foundations:

ED 102 Foundations of Education – 3 crs.

**Elective Core – 28-31 credits**

Creative Arts: ART 151 Intro. to Studio Art **OR**  
 or ART 110 or 141 – 3 crs.  
 Language: (May be satisfied by a non-Western language  
 course that also fulfills non-Western history or  
 contemporary culture requirement) – 3 crs.  
 Non-Western History or Contemporary Culture (May  
 be satisfied by a non-Western Language course  
 that also fulfills the Language requirement) - 3 crs.  
 Mathematics: MATH 119 Number Sense:  
 Teaching PreK-9 – 3 crs.

Mathematics: MATH 120 Data and Space:  
 Teaching PreK-9 – 3 crs.  
 Physical Development: HHP 100 Intro to  
 Lifetime Fitness – 1 cr.  
 Physical Development Activity Course – 1 cr.  
 Life Science with lab: SCI 150 Life Science – 4 crs.  
 Physical Science with lab: SCI 155 Physical Science – 4 crs.  
 Social Science: PSY 221 Child Development – 3 crs.  
 Theology Elective – 3 crs.

**EARLY CHILDHOOD MAJOR 67-73 crs.**

**Theoretical Component – 14 crs.**

ED 203 Educational Technologic – 1 cr.  
 ED 230 Nature of the Exceptional Child – 3 crs.  
 ED 231 Children’s Literature – 3 crs.  
 ED 275 Human Learning – 3 crs.  
 \* ED 409 Instructional Technologies – 1 cr.  
 \* ED 411 Professional Ethics – 3 crs.

**Practical Component – 38 crs.**

ED 204 Developmental Reading Gr. K-9 – 3 crs.  
 \* ED 327 Working with Children with  
 Disabilities and their Families – 3 crs.  
 \* ED 354 Language Arts in Early Childhood – 3 crs.  
 \* ED 355 Music in Early Childhood – 2 crs.  
 \* ED 356 Mathematics in Early Childhood – 3 crs.  
 \* ED 357 Curr. & Methods in Science &  
 Environment – E. Ch. – 3 crs.  
 \* ED 358 Language Development & Early Literacy – 3 crs.  
 \* ED 359 Curriculum & Techniques –  
 Early Childhood I – 3 crs.  
 \* ED 461 Administration of Early  
 Childhood Programs – 1 cr.  
 \* ED 465 Curriculum & Techniques –  
 Early Childhood II – 3 crs.  
 \* ED 466 Health & Wellness 0-8 Year – 1 cr.

\* ED 467 Art in Early Childhood – 2 crs.  
 \* ED 479 Assessment and Instruction  
 for Children with Special Needs – 3 crs.  
 \* HHP 428 Movement Skills in Early Childhood – 2 crs.  
 HHP 209 First Aid & CPR  
 (or current certification) – 2 crs.  
 \* ED 343 Synthesis and Prof. Development  
 (Portfolio Completion) – Early Childhood – 1 cr.

**Experiential Component – 15 crs.**

(For Clinical Experiences, register for ED 100.)  
 ED 100 (211) General Clinical I Experience – 1 cr.  
 ED 100 (212) Multicultural Clinical II Experience – 1 cr.  
 ED 100 (213) Special Education  
 Clinical III Experience – 1 cr.  
 \* ED 427, ED 428, ED 460 Student Teaching – 12 crs.

**Lutheran (LCMS Members)**

**Education Requirements – 6 crs.**

REL 404 Lutheran Confessions – 3 crs.  
 \* ED 362 Faith Development of Young Child – 3 crs.

**Christian Public Education Requirements – 6 crs.**

REL 404, REL 347, REL 333, PHIL 325  
 OR PHIL 334 – 3 crs.  
 \* ED 307 Teaching the Faith for the  
 Christian Public Educator – 3 crs.  
 \* *Course Requires Upper Division Status*

**MINORS OR AREAS OF CONCENTRATION 18-24 credits**

The following minors, (approximately 21 credits) are acceptable. See the Elementary/Middle Education section for details.

|                    |                            |                  |                      |
|--------------------|----------------------------|------------------|----------------------|
| Adaptive Education | English                    | Health Education | Science Education    |
| Athletic Coaching  | English as Second Language | History          | Social Studies       |
| Biology            | Environmental Science      | Mathematics      | Spanish              |
| Computer Science   | German                     | Psychology       | Speech Communication |

Concentrations (18 credits) in Administration in Early Childhood, Creative Arts (art, music, theatre), Family Studies, and Language Arts are available. Consult the Chairperson of the Early Childhood Department or your advisor. In addition, non-licensable minors are available in Art, Music, and Theology.

## Early Childhood Regular and Special Education Dual Certification Program

*Birth to Age 8*

|  |              |
|--|--------------|
| CORE CURRICULUM:                         | 55-61 crs.   |
| LUTHERAN/CHRISTIAN PUBLIC ED DUAL MAJOR: | 95 crs.      |
| PUBLIC ED DUAL MAJOR:                    | 89 crs.      |
| TOTAL:                                   | 144-156 crs. |

NOTE: Check with the Chair of the Special Education Department for possible changes in this major.

### CORE CURRICULUM 55-61 credits

#### Common Core – 15-18 credits

Theology (Lutheran & Christian Public Education Emphasis) – 9 crs.

REL 201 Old Testament

REL 203 New Testament

REL 204 Biblical Theology

**OR** (Public Education Emphasis) – 6 crs.

REL 100 The Bible

REL 110 Christian Faith

History: HIST 103 Civilization

& Worldviews: History – 3 crs.

Literature: ENG 103 Civilizations

& Worldviews: Literature – 3 crs.

Writing: ENG 104 Introduction to Writing – 3 crs.

#### Narrative Core – 12 credits

Citizenship: POLS 201 American Government – 3 crs.

Communications: COMM 105 Public Speaking **OR**

COMM 201 Interpersonal Communication – 3 crs.

Culture: ED 103 Human Relations – 3 crs.

Philosophical Foundations:

ED 102 Foundations of Education – 3 crs.

#### Elective Core – 28-31 credits

Creative Arts: ART 151 Art Fundamentals **OR**

ART 110 or 141 – 3 crs.

Language: (May be satisfied by a non-Western language course that also fulfills the non-Western history or contemporary culture requirement – 3 crs.

Non-Western History or Contemporary Culture:

(May be satisfied by a non-Western language course that also fulfills the language requirement) – 3 crs.

Mathematics: MATH 119 Number Sense:

Teaching PreK-9 – 3 crs.

Mathematics: MATH 120 Data and Space:

Teaching PreK-9 – 3 crs.

Physical Development: HHP 100 Intro to

Lifetime Fitness – 1 cr.

Physical Development Activity Course – 1 cr.

Life Science with lab: SCI 150 Life Science – 4 crs.

Physical Science with lab:

SCI 155 Physical Science – 4 crs.

Social Science: PSY 221 Child Development – 3 crs.

Theology Elective – 3 crs.

### EARLY CHILDHOOD DUAL CERTIFICATION MAJOR 89-95 crs.

#### Theoretical Component - 14 Credits

ED 203 Educational Technologies – 1 cr.

ED 230 Nature of the Exceptional Child – 3 crs.

ED 231 Children's Literature – 3 crs.

ED 275 Human Learning – 3 crs.

\* ED 409 Instructional Technologies – 1 cr.

\* ED 411 Professional Ethics – 3 crs.

#### Practical Component: Regular Education - 30 crs.

ED 204 Developmental Reading Gr. K-9 – 3 crs.

\* ED 354 Language Arts in Early Childhood – 3 crs.

\* ED 355 Music in Early Childhood – 2 crs.

\* ED 356 Mathematics in Early Childhood – 3 crs.

\* ED 357 Curric. & Methods in Science & Environment – Early Childhood – 3 crs.

\* ED 358 Language Development & Early Literacy – 3 crs.

\* ED 359 Curriculum & Techniques – Early Childhood I – 3 crs.

\* ED 461 Administration of Early Childhood Programs – 1 cr.

\* ED 465 Curriculum & Techniques – Early Childhood II – 3 crs.

\* ED 466 Health & Wellness 0-8 Years – 1 cr.

\* ED 467 Art in Early Childhood – 2 crs.

\* HHP 428 Movement Skills in Early Childhood – 2 crs. First Aid & CPR

(Certificate required **OR** take HHP 209 for 2 credits)

\* ED 343 Synthesis and Prof. Development (Portfolio Completion)/Praxis II – 1 cr.

**Practical Component: Special Education - 30 crs.**

- \* ED 327 Working with Children with Disabilities and their Families – 3 crs.
- \* ED 328 Environmental & Personal Strategies for Self Management for Children w/Disabilities – 3 crs.
- \* ED 453 Evaluative Techniques in Early Childhood Special Education – 3 crs.
- \* ED 454 Curriculum & Program for ECSE – 3 crs.
- \* ED 455 Characteristics & Procedural Safeguards in Special Education – 3 crs.
- \* ED 456 Assistive Technology for Individuals with Disabilities – 3 crs.
- \* ED 457 Curricular Adaptations for Learners with Disabilities – 3 crs.
- \* ED 481 Language & Comm. Disorders – 3 crs.
- \* ED 484 Educational/Behavioral Management in Special Education – 3 crs.
- \* ED 487 Intervention Strategies in Special Education – 3 crs.

**Experiential Component - 15 Credits**

- (For Clinical Experiences, register for ED 100)
- ED 100 (211) General Clinical I Experience – 1 cr.
  - ED 100 (212) Multicultural Clinical II Exp. – 1 cr.
  - ED 100 (213) Special Education Clinical III Experience – 1 cr.
  - \* ED 427, ED 428, ED 460, and/or ED 442 Student Teaching – 12 crs.

**Lutheran (LCMS Members)****Education Requirements - 6 Credits**

- REL 404 Lutheran Confessions – 3 crs.
- \* ED 362 Faith Development of Young Child – 3 crs.

**Christian Public Education Requirements - 6 Credits**

- REL 404, REL 347, REL 333, PHIL 325, or PHIL 334 – 3 crs.
- \* ED 307 Teaching the Faith for the Christian Public Educator – 3 crs.

\*Course Requires Upper Division Status

## Elementary/Middle

**(GRADES 1-8) Middle Childhood through Early Adolescence**

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| CORE CURRICULUM:                    | 54-61 credits                        |
| LUTHERAN/CHRISTIAN PUBLIC ED MAJOR: | 64 credits                           |
| PUBLIC ED MAJOR:                    | 58 credits                           |
| MINOR SUBJECT AREA:                 | 18 - 24 credits<br>130 - 149 credits |

NOTE: Check with the Chair of the Elementary/Middle Education Department for possible changes in the major.

**CORE CURRICULUM 54-61 crs.****Common Core – 15-18 credits**

Theology (Lutheran and Christian Public Education Emphasis) – 9 crs.

- REL 201 Old Testament
- REL 203 New Testament
- REL 204 Biblical Theology

**OR** (Public Education Emphasis) – 6 crs.

- REL 100 The Bible
- REL 110 Christian Faith

History: HIST 103 Civilization & Worldviews: History – 3 crs.

Literature: ENG 103 Civilization & Worldviews: Literature – 3 crs.

Writing: ENG 104 Introduction to Writing – 3 crs.

**Narrative Core – 12 credits**

Citizenship: POLS 201 American Government – 3 crs.

Communication: COMM 105 Public Speaking **OR** COMM 201 Interpersonal Communication – 3 crs.

Culture: ED 103 Human Relations – 3 crs.

Philosophical Foundations:

- ED 102 Foundations of Education – 3 crs.

**Elective Core – 27-31 credits**

Creative Arts – 3 crs.

Language: (May be satisfied by a non-Western language course, Spanish, Chinese, Hebrew, Latin, or Greek recommended, that also fulfills non-Western history or contemporary culture course requirement) – 3 crs.

Non-Western history or contemporary culture: (May be satisfied by non-Western language course which also satisfies Language Requirement) - 3 crs.

Mathematics: MATH 119 Number Sense:

Teaching PreK-9 – 3 crs.

Mathematics: MATH 120 Data and Space:

Teaching PreK-9 – 3 crs.

Physical Development: HHP 100 Intro to Lifetime Fitness – 1 cr.

Physical Development Activity Course – 1 cr.

Life Science with lab: SCI 150, BIO 140, BIO 146, BIO 246, BIO 256, BIO 270, or BIO 367 - 3/4 crs.

Physical Science with lab: CHEM 105, PHYS 107, PHYS 121, SCI 135, SCI 155, SCI 195, SCI 246, or SCI 303 - 3/4 crs.

Social Science: PSY 101, PSY 221, or SOC 101 – 3 crs.

Theology Elective – 3 crs.

Note: Students must take at least one science course with a lab.

**ELEMENTARY/MIDDLE EDUCATION MAJOR 58-64 crs.**

**Theoretical Component – 14 credits**

- ED 203 Educational Technologies – 1 cr.
- ED 230 Nature of the Exceptional Child – 3 crs.
- ED 231 Children’s Literature – 3 crs.
- ED 275 Human Learning – 3 crs.
- \*ED 409 Instructional Technologies – 1 cr.
- \*ED 411 Professional Ethics – 3 crs.

**Practical Component – 29 credits**

- ED 204 Developmental Reading Gr. K-9 – 3 crs.

**“THE BLOCK”**

Take these courses during the same semester:

- \*ED 301 *Data-Driven Analysis of Instruction - Elementary/Middle* – 3 crs.
- \*ED 303 *Curriculum & Methods in Language Arts* – 3 crs.
- \*ED 304 *Curriculum & Methods in Mathematics* – 3 crs.
- \*ED 305 *Curriculum & Methods in Science & Environment* – 3 crs.
- \*ED 407 *Curriculum & Methods in Social Studies* – 3 crs.

- \*ED 350 Teaching in the Middle School – 3 crs.
- \*ED 401 Literacy Strategies in the Classroom – 3 crs.
- \*ED 402 Integration of the Arts in the Curriculum - 2 crs.
- \*ED 404 Curriculum & Methods in Physical Education and Health – 2 crs.
- \*ED 412 Portfolio Completion — Elementary – 1 cr.

**Experiential Component – 15 credits**

(For Clinicals, register for ED 100.)

- ED 100 (211) General Clinical I Experience – 1 cr.
- ED 100 (212) Multicultural Clinical II Experience – 1 cr.
- ED 100 (213) Special Education Clinical III Experience – 1 cr.
- \*ED 421 & ED 422 Student Teaching – 12 crs.

**Lutheran (LCMS Members) Education Requirements – 6 credits**

- REL 404 Lutheran Confessions – 3 crs.
- \*REL 306 Teaching the Faith – 3 crs.

**Christian Public Education Requirements-6 credits**

- REL 404 Lutheran Confessions 3
- \*ED 307 Teaching the Faith for the Christian Public Educator – 3 crs.
- \*Course Requires Upper Division Status*

**WISCONSIN DEPARTMENT OF PUBLIC INSTRUCTION APPROVED MINORS – approx. 18-24 credits**

**Elementary/Middle Education (Grades 1-8)  
Middle Childhood through Early Adolescence**

Elementary Education majors (MC-EA) are required to complete at least one minor or an additional licensable major. Students are strongly encouraged to select one of the following minors:

Biology, English, English as a Second Language+, Mathematics, Science, Social Studies, or Spanish+

Students may select one of the following minors in addition to or instead of those listed above:

Art (non-licensable), Biology, Computer Science, Environmental Science, German+, Health Education+, History, Music (non-licensable), Psychology, Speech Communication

+Denotes a minor that would require an additional Praxis II or ACTFL content knowledge examination.

An alternative to licensable subject area minor listed above is a special education major (please see "Special Education Major Requirements").

A student may also complete additional minors in licensable or non-licensable areas which may include but are not limited to the following:

- |                                 |                                  |
|---------------------------------|----------------------------------|
| Adaptive Education (licensable) | Theology (non-licensable)        |
| Athletic Coaching (licensable)  | Urban Education (non-licensable) |

NOTE: Since most middle schools are departmentalized, students are encouraged to select a minor for the subject area that they would prefer to teach in a middle school setting.

**ADAPTIVE EDUCATION MINOR 18 crs.**

- ED 327 Working with Children with Disabilities and their Families – 3 crs.
- \*ED 328 Environmental and Personal Strategies for Self-Management for Children with Disabilities – 3 crs.
- \*ED 479 Assessment and Instruction for Children with Special Needs – 3 crs.

- \*ED 481 Language and Communication Disorders – 3 crs.
- ED 484 Educational/Behavioral Management in Special Education – 3 crs.
- \*ED 487 Intervention Strategies in Special Education – 3 crs.

Note: MC-EA majors with an adaptive education minor must also complete a DPI approved minor in addition to the adaptive education minor.

**ATHLETIC COACHING MINOR 26-28 crs.****Required Core:**

BIO 275 Principles of Anatomy and Physiology I  
w/lab – 34 crs. (counts in core for Life Science requirement)

**Required Courses – 24 crs. minimum**

HHP 209 First Aid and CPR – 2 crs.  
HHP 272/273 Introduction to Athletic Training – 3 crs.  
HHP 275 Administration and Organization  
of Physical Education and Athletics – 3 crs.  
HHP 280 Psychology of Sport – 3 crs.  
HHP 342 Nutrition for Wellness and Performance – 3 crs.  
HHP 371 Exercise Physiology – 3 crs.  
HHP 373 Motor Development – 3 crs.  
HHP 375 Biomechanics – 3 crs.  
HHP 490 Practicum in Coaching – 1-3 crs.

**Electives – 2 crs.**

*Choose one of the following:*

HHP 281 Theory & Techniques of  
Coaching Softball – 2 crs.  
HHP 282 Theory & Techniques of  
Coaching Basketball – 2 crs.  
HHP 284 Theory & Techniques of  
Coaching Football – 2 crs.  
HHP 286 Theory & Techniques of  
Coaching Track & Field – 2 crs.  
HHP 287 Theory & Techniques of  
Coaching Soccer – 2 crs.  
HHP 288 Theory & Techniques of  
Coaching Volleyball – 2 crs.  
HHP 290 Theory & Techniques of  
Coaching Wrestling – 2 crs.

Note: Students with an athletic coaching minor  
must complete a DPI-approved minor in addition  
to the athletic coaching minor.

**BIOLOGY MINOR 20 crs.**

BIO 146 Essentials of Anatomy & Physiology w/lab – 4 crs.  
BIO 240 Zoology w/lab – 4 crs.  
BIO 244 Botany w/lab – 4 crs.

BIO 256 Environmental Science w/lab **OR**  
BIO 410 Ecology w/lab – 4 crs.  
CHEM 105 Elements of Gen. &  
Bio. Chemistry w/lab – 4 crs.

**COMPUTER SCIENCE MINOR 21 crs.**

CSC 150 Foundations of Computer Science – 3 crs.  
CSC 175 Advanced Software Applications – 3 crs.  
CSC 250 Computer Science, Theory & Practice I – 3 crs.  
CSC 300 Computer Science, Theory & Practice II – 3 crs.

CSC 325 Computer Organization & Architecture I – 3 crs.  
CSC 350 Computer Operating Systems – 3 crs.  
ED 440 Curr. & Methods in Computer Science  
Education – 3 crs.

**ENGLISH MINOR 18 crs.**

\*ED 432 Teaching Writing – 3 crs.  
ENG 102 Basic English Grammar and Usage **OR**  
ENG 305 Advanced Grammar and Usage – 3 crs.  
ENG 341 American Lit. I **OR**  
ENG 342 American Lit. II – 3 crs.

ENG 344 English Lit. I, ENG 345 English Lit. II,  
ENG 347 World Literature I, **OR**  
ENG 348 World Literature II – 3 crs.  
ED 252 Teaching Adolescent Literature **OR**  
ENG 300 Adolescent Literature – 3 crs.  
Electives – 3 crs.

**ESL: ENGLISH AS A SECOND LANGUAGE MINOR 22-25 crs.**

Study of a Modern Foreign Language –  
minimum of 6 residence credits (Up to 6 crs. may  
be granted for 200-level or higher retroactive foreign  
language credits.) – 9-12 crs.  
COMM 460 Cross-Cultural Communication – 3 crs.

ENG 240 Basic English Linguistics – 3 crs.  
ENG 365 English: Its Cultural Development – 3 crs.  
ED 310 Methods of Teaching Foreign Language  
and ESL – 3 crs.  
ED 315 Practicum in ESL – 1 cr.

**ENVIRONMENTAL SCIENCE MINOR 19-20 crs.**

BIO 256 Environmental Science w/lab – 4 crs.  
BIO 410 Ecology w/lab – 4 crs.  
CHEM 105 Elements of General & Biological  
Chemistry w/lab – 4 crs.  
SCI 135 Earth Science w/lab – 4 crs.

**Elective – 3-4 crs.**

*Select from the following:*

BIO 142, BIO 240, BIO 244, BIO 249, BIO 367,  
GEO 367, PHYS 107, SCI 195, SCI 303, ED 312,  
or other approved courses.



**GERMAN MINOR 18 crs.**

GER 301 German Conversation & Composition – 3 crs.  
 GER 306 German Literature from 1750  
 to 20th Century – 3 crs.  
 GER 307 Applied Linguistics – 3 crs.  
 GER 331 Advanced German Grammar  
 & Composition – 3 crs.

**HEALTH EDUCATION MINOR 20 crs.****Required Core:**

HHP 100 Introduction to Lifetime Fitness (in Core)  
 BIO 275 Principles of Anatomy and Physiology I w/lab  
 (counts in Core for Life Science requirement)

*NOTE: The Health Education minor is certified by the Wisconsin Department of Public Instruction for individuals who have completed a DPI certified major. This minor enables teacher education graduates to provide instruction in health promotion and the prevention of health problems to students in Lutheran and public school settings. The goal of this instruction is to enable individuals to make choices, which improve the quality of life and the care of God's temple.*

**HISTORY MINOR 21 crs.****Required:**

U.S. History – 3 crs.  
 European History – 3 crs.  
 Non-Western/Global History – 3 crs.  
 HIST 385 Historical Methods – 3 crs.

**AND** (the student must choose one of the following) – 9 crs.

**I. Emphasis in American History**

U.S. History – 6 crs.  
 European or Non-Western/Global History – 3 crs.

**MATHEMATICS MINOR 18-19 crs.**

MATH 176 Finite Mathematics,  
 MATH 150 Trigonometry, **OR**  
 MATH 220 Discrete Mathematics – 3 crs.  
 MATH 197 Applied Calculus **OR**  
 MATH 201 Calculus I – 3-4 crs.  
 MATH 205 Statistics I – 3 crs.  
 CSC 150 Foundations of Computer Science – 3 crs.  
 \*ED 312/MATH 312 Math in Middle School – 3 crs.

**PSYCHOLOGY MINOR 19 crs.****Required Core:**

BIO 146 Essentials of Anatomy and Physiology –  
 counts in Core for SCI 150 – 4 crs.

**Required Courses:**

PSY 201 Interpersonal Communication – 3 crs.  
 PSY 310 Theories of Personality – 3 crs.

GER 361 Civilization & Culture of  
 German-Speaking Countries – 3 crs.  
 \*ED 310 Methods in Teaching Foreign Language – 3 crs.  
 Also required: Immersion Experience and accompanying  
 paper. Note: Students who do not receive retroactive  
 German credit must also complete GER 101, GER 102,  
 GER 201, and GER 202.

**Required Courses:**

HHP 209 First Aid and CPR – 2 crs.  
 HHP 260 School, Family, and Community Health – 3 crs.  
 HHP 265 Healthy Lifestyles – 3 crs.  
 HHP 342 Nutrition for Wellness and Performance – 3 crs.  
 HHP 361 Technology in Health &  
 Human Performance – 3 crs.  
 \*HHP 410 Measurement & Evaluation in  
 Health and Physical Education – 3 crs.  
 \*HHP 450 Curriculum and Methods of  
 Health Education – 3 crs.

**II. Emphasis in European History**

European History – 6 crs.  
 U.S. or Non-Western/Global History – 3 crs.

**III. Emphasis in Global History**

Non-Western/Global History – 6 crs.  
 U.S. or European History – 3 crs.

**Electives – 3 crs.**

*Choose from among the following courses, not including  
 any taken as part of the required courses for the minor:*  
 MATH 125, 128, 150, 176, 202, 220, 305,  
 321, 331 or other approved courses.

PSY 425 Abnormal Psychology – 3 crs.  
 SOC 300 Group Dynamics – 3 crs.

**Electives – 3 crs.**

*Choose from the following: PSY 221 (if not take to fulfill  
 core social science requirement), PSY 222, PSY 245,  
 PSY 315, PSY 451, PSY 460, SOC 203, SOC 255,  
 SOC 312, SOC 365, SOC 375, SOC 450*

**SCIENCE EDUCATION MINOR 19-20 crs.**

BIO 146 Essentials of Anatomy & Physiology w/lab – 4 crs.  
 BIO 256 Environmental Science w/lab – 4 crs.  
 CHEM 105 Elements of Gen. & Bio. Chemistry w/lab – 4 crs.  
 SCI 135 Earth Science w/lab – 4 crs.

**Elective – 3/4 crs.**

*Choose from the following:* BIO 142, 240, 244, 249, 410, or other approved courses. – 3/4 crs.

**SOCIAL STUDIES MINOR 18 crs.**

European History – 3 crs.  
 United States History – 3 crs.  
 HIST 385 Historical Methods – 3 crs.  
 GEOG 220 Cultural Geography – 3 crs.  
 SOC 203 Contemporary Social Problems **OR**  
 SOC 300 Group Dynamics – 3 crs.

**Electives – 3 crs.**

See the Education Office for clarification of recommended electives.

**SPANISH MINOR 18 crs.**

SPAN 307 Applied Linguistics – 3 crs.  
 SPAN 315 Topics in Conversation **OR**  
 SPAN 301 Spanish Conversation and Composition – 3 crs.  
 SPAN 351 Spanish and Latin American Civilization I – 3 crs.  
 SPAN 352 Spanish and Latin American Civilization II – 3 crs.

SPAN 355 Spanish and Latin American Literature I **OR** SPAN 356 Spanish and Latin American Literature II – 3 crs.

\*ED 310 Curriculum & Methods in Teaching a Foreign Language – 3 crs.

Also required: Immersion Experience of at least four weeks and accompanying paper. Note: Students who do not receive retroactive Spanish credit must also complete SPAN 101, SPAN 102, SPAN 201, SPAN 202.

**SPEECH COMMUNICATION MINOR 18 crs.**

ENG 102 Basic English Grammar and Usage **OR**  
 ENG 305 Advanced Grammar and Usage – 3 crs.  
 COMM 205 Advanced Public Speaking – 3 crs.  
 COMM 300 Group Dynamics – 3 crs.  
 COMM 331 Argumentation, Debate and Forensics – 3 crs.  
 COMM 460 Cross Cultural Communication – 3 crs.

**Electives - 3 crs.**

*Choose from the following:* COMM 247, 250, 333, 354, 380, 390, ENG 245, 246, 365, ED 208, 432, SIGN 101, THTR 261 or other approved courses.

**URBAN EDUCATION MINOR 18 crs.**

COMM 460 Cross-Cultural Communication (may be used to fulfill non-Western requirement in core)  
 ED/SOC 293 The Urban Education Landscape – 3 crs.  
 ED/SOC 294 Paradigms for Success in Urban Education – 3 crs.  
 ED 429 Urban Education Field Practicum – 3 crs.

**Electives - 6 Crs.**

*Choose 6 credits from the following:* COMM 333, ENG 240, GEOG 220, PSY 315, REL 298, REL 311  
 Note: This minor is a non-licensable minor. Students who complete an urban education minor must also complete a DPI-approved minor in addition to the urban education minor.

**THEOLOGY MINOR**

See requirements as listed in the School of Arts and Sciences section. Note: This minor is a non-licensable minor. Students who complete a theology minor must also complete a DPI-approved minor in addition to the theology minor.

## Elementary/Middle Regular and Cross-Categorical Special Education Dual Certification Program

*Middle Childhood through Early Adolescence*

|                                     |                 |
|-------------------------------------|-----------------|
| CORE CURRICULUM:                    | 54-61 Credits   |
| LUTHERAN/CHRISTIAN PUBLIC ED MAJOR: | 64 Credits      |
| PUBLIC ED MAJOR:                    | 58 Credits      |
| SPECIAL ED COURSES:                 | 30 Credits      |
| TOTAL:                              | 142-155 Credits |

NOTE: Check with the Chair of the Special Education Department for possible changes in this major.

### CORE CURRICULUM 54-61 Crs.

#### Common Core – 15-18 Credits

Theology (Lutheran & Christian Public Education Emphasis) – 9 crs.

- REL 201 Old Testament
- REL 203 New Testament
- REL 204 Biblical Theology

**OR** (Public Education Emphasis) – 6 crs.

- REL 100 The Bible
- REL 110 Christian Faith

History: HIST 103 Civilization

& Worldviews: History – 3 crs.

Literature: ENG 103 Civilizations

& Worldviews: Literature – 3 crs.

Writing: ENG 104 Introduction to Writing – 3 crs.

#### Narrative Core – 12 Credits

Citizenship: POLS 201 American Government – 3 crs.

Communications: COMM 105 Public Speaking **OR**

COMM 201 Interpersonal Communication – 3 crs.

Culture: ED 103 Human Relations – 3 crs.

Philosophical Foundations:

ED 102 Foundations of Education – 3 crs.

#### Elective Core – 27-31 Credits

Creative Arts – 3 crs.

Language: (May be satisfied by a non-Western language course that also fulfills the non-Western history or contemporary culture requirement) – 3 crs.

Non-Western History or Contemporary Culture: (May be satisfied by a non-Western language course that also fulfills the language requirement) – 3 crs.

Mathematics: MATH 119 Number Sense:

Teaching PreK-9 – 3 crs.

Mathematics: MATH 120 Data and Space:

Teaching PreK-9 – 3 crs.

Physical Development: HHP 100 Intro to

Lifetime Fitness – 1 cr.

Physical Development Activity Course – 1 cr.

Life Science with lab: SCI 150, BIO 140, BIO 146, BIO 246, BIO 256, BIO 270, or BIO 367 - 3/4 crs.

Physical Science with lab: CHEM 105, PHYS 107, PHYS 121, SCI 135, SCI 155, SCI 195, SCI 246, or SCI 303 - 3/4 crs.

Social Science: PSY 221 Child Development – 3 crs.

Theology Elective – 3 crs.

Note: Students must take at least one science course with a lab.

### ELEMENTARY/MIDDLE DUAL CERT. MAJOR 88-94 crs.

#### Theoretical Component - 14 Credits

ED 203 Educational Technologies – 1 cr.

ED 230 Nature of the Exceptional Child – 3 crs.

ED 231 Children's Literature – 3 crs.

ED 275 Human Learning – 3 crs.

\*ED 409 Instructional Technologies – 1 cr.

\*ED 411 Professional Ethics – 3 crs.

#### Practical Component: Regular Education - 29 Credits

ED 204 Developmental Reading Gr. K-9 – 3 crs.

#### "THE BLOCK"

Take these courses during the same semester:

\*ED 301 Data-Driven Analysis of Instruction – 3 crs.

\*ED 303 Curriculum & Methods in Language Arts – 3 crs.

\*ED 304 Curriculum & Methods in Mathematics – 3 crs.

\*ED 305 Curriculum & Methods in  
Science & Environment – 3 crs.

\*ED 407 Curriculum & Methods in Social Studies – 3 crs.

\*ED 350 Teaching in the Middle School – 3 crs.

\*ED 401 Literacy Strategies for the Classroom – 2 crs.

\*ED 402 Integration of the Arts in the Curriculum - 2 crs.

\*ED 404 Curriculum & Methods in

Physical Education and Health – 2 crs.

\*ED 412 Portfolio Completion – Elementary – 1 cr.

**Practical Component: Special Education - 30 Credits**

- ED 327 Working with Children with Disabilities and their Families – 3 crs.  
 \*ED 328 Environmental & Personal Strategies for Self-Management for Children w/Disabilities – 3 crs.  
 \*ED 455 Characteristics & Procedural Safeguards in Special Education – 3 crs.  
 \*ED 456 Assistive Technology for Individuals with Disabilities – 3 crs.  
 \*ED 457 Curricular Adaptations for Learners with Disabilities – 3 crs.  
 \*ED 479 Assessment & Instruction for Children with Special Needs – 3 crs.  
 \*ED 481 Language & Comm. Disorders – 3 crs.  
 \*ED 484 Educational/Behavioral Management in Special Education – 3 crs.  
 \*ED 487 Intervention Strategies in Special Education – 3 crs.  
 \*ED 439 Curriculum, Methods & Analysis for EBD/CD/SLD – 3 crs.

**Experiential Component - 15 Credits**

- (For Clinical Experiences, register for ED 100)  
 ED 100 (211) General Clinical I Experience – 1 cr.  
 ED 100 (212) Multicultural Clinical II Experience – 1 cr.  
 ED 100 (213) Special Education Clinical III Experience – 1 cr.  
 \*ED 421 or 422 & ED 444 Student Teaching – 12 crs.

**Lutheran (LCMS Members) Education Requirements - 6 Credits**

- REL 404 Lutheran Confessions – 3 crs.  
 \*ED 306 Teaching the Faith – 3 crs.

**Christian Public Education Requirements - 6 Credits**

- REL 404, REL 347, REL 333, PHIL 325, **OR**  
 PHIL 334 – 3 crs.  
 \*ED 307 Teaching the Faith for the Christian Public Educator – 3 crs.

*\*Course Requires Upper Division Status*

## Cross Categorical Special Education Program

*Middle Childhood through Early Adolescence & Early Adolescence through Adolescence*

|                                     |                 |
|-------------------------------------|-----------------|
| CORE CURRICULUM:                    | 54-61 Credits   |
| LUTHERAN/CHRISTIAN PUBLIC ED MAJOR: | 93 Credits      |
| PUBLIC ED MAJOR:                    | 87 Credits      |
| TOTAL:                              | 141-154 Credits |

NOTE: Check with the Chair of the Special Education Department for possible changes in this major.

**CORE CURRICULUM 54-61 crs.****Common Core – 15-18 Credits**

Theology (Lutheran & Christian Public Education Emphasis) – 9 crs.

- REL 201 Old Testament  
 REL 203 New Testament  
 REL 204 Biblical Theology

**OR** (Public Education Emphasis) – 6 crs.

- REL 100 The Bible  
 REL 110 Christian Faith

History: HIST 103 Civilization & Worldviews:  
 History – 3 crs.

Literature: ENG 103 Civilizations & Worldviews:  
 Literature – 3 crs.

Writing: ENG 104 Introduction to Writing – 3 crs.

**Narrative Core – 12 Credits**

Citizenship: POLS 201 American Government – 3 crs.

Communications: COMM 105 Public Speaking **OR**  
 COMM 201 Interpersonal Communication – 3 crs.

Culture: ED 103 Human Relations – 3 crs.

Philosophical Foundations:

- ED 102 Foundations of Education – 3 crs.

**Elective Core – 27-31Credits**

Creative Arts: Any Art, Music, or  
 Theatre “activity” course – 3 crs.

Language: (May be satisfied by a non-Western language course that also fulfills the non-Western history or contemporary culture requirement) – 3 crs.

Non-Western History or Contemporary Culture:  
 (May be satisfied by a non-Western language course that also fulfills the language requirement) – 3 crs.

Mathematics: MATH 119 Number Sense:  
 Teaching PreK-9 – 3 crs.

Mathematics: MATH 120 Data and Space:  
 Teaching PreK-9 – 3 crs.

Physical Development: HHP 100 Intro to  
 Lifetime Fitness – 1 cr.

Physical Development Activity Course – 1 cr.  
 Life Science with lab: SCI 150, BIO 140, BIO 146, BIO 246,  
 BIO 256, BIO 270, or BIO 367 - 3/4 crs.

Physical Science with lab: CHEM 105, PHYS 107, PHYS 121,  
 SCI 135, SCI 155, SCI 195, SCI 246, or SCI 303 - 3/4 crs.

Social Science: \*ED309 Educational Psychology – 3 crs.  
 Theology Elective – 3 crs.

Note: Students must take at least one science course with a lab.

**CROSS CATEGORICAL SPECIAL EDUCATION MAJOR 87-93 crs.**

**Theoretical Component - 11 Credits**

- PSY 221 Child Development – 3 crs.
- ED 203 Educational Technologies – 1 cr.
- ED 230 Nature of the Exceptional Child – 3 crs.
- \*ED 409 Instructional Technologies – 1 cr.
- \*ED 411 Professional Ethics – 3 crs.

**Practical Component: General Educ. – 25 Credits**

- ED 204 Developmental Reading Gr. K-9 – 3 crs.
- “THE BLOCK”**  
 Take these courses during the same semester:
- \*ED 301 Data-Driven Analysis of Instruction – 3 crs.
  - \*ED 303 Curriculum & Methods in Language Arts – 3 crs.
  - \*ED 304 Curriculum & Methods in Mathematics – 3 crs.
  - \*ED 305 Curriculum & Methods in Science & Environment – 3 crs.
  - \*ED 407 Curriculum & Methods in Social Studies – 3 crs.
- \*ED 350 Teaching in the Middle School – 3 crs.
  - \*ED 401 Literacy Strategies for the Classroom – 3 crs.
  - OR** \*ED 383 Communication Arts in the Content Areas – 3 crs.
  - \*ED 412 Portfolio Completion – Elementary – 1 cr.

**Practical Component: Special Education - 36 Credits**

- \*ED 327 Working with Children with Disabilities and their Families – 3 crs.
- \*ED 328 Environmental & Personal Strategies for Self-Management for Children with Disabilities – 3 crs.
- \*ED 452 Strategies for Teaching At-Risk Youth – 3 crs.
- \*ED 455 Characteristics & Procedural Safeguards in Special Education – 3 crs.
- \*ED 456 Assistive Technology for Individuals with Disabilities – 3 crs.

- \*ED 457 Curricular Adaptations for Learners with Disabilities – 3 crs.
- \*ED 479 Assessment & Instruction for Children with Special Needs – 3 crs.
- \*ED 481 Language & Communication Disorders – 3 crs.
- ED 484 Educational/Behavioral Management in Special Education – 3 crs.
- \*ED 487 Intervention Strategies in Special Education – 3 crs.
- \*ED 439 Curriculum, Methods & Analysis for EBD/CD/SLD – 3 crs.
- \*ED 438 Transition & Collaboration for Adolescents with Disabilities – 3 crs.

**Experiential Component - 15 Credits**

- (For Clinical Experiences, register for ED 100)
- ED 100 (211) General Clinical I Experience – 1 cr.
  - ED 100 (212) Multicultural Clinical II Exp. – 1 cr.
  - ED 100 (213) Special Education Clinical III Experience – 1 cr.
  - \*ED 444 & ED 447 Student Teaching – 12 crs.

**Lutheran (LCMS Members) Education Requirements - 6 Credits**

- REL 404 Lutheran Confessions – 3 crs.
- \*ED 306 Teaching the Faith – 3 crs.

**Christian Public Education Requirements - 6 Credits**

- REL 404, REL 347, REL 333, PHIL 325, **OR** PHIL 334 – 3 crs.
- \*ED 307 Teaching the Faith for the Christian Public Educator – 3 crs.

\*Course Requires Upper Division Status

**Secondary/K-12 Education Programs (Grades 5 or 6-12)**

*Early Adolescence through Adolescence and Early Childhood through Adolescence*

NOTE: All licensable majors and minors require that students pass applicable content examinations for licensure in the state of Wisconsin.

NOTE: Art Education, Business Education, Choral/General Music Education, German, Instrumental/General Music Education, Physical Education, and Spanish are licensable as K-12 programs only.

|                                     |                      |
|-------------------------------------|----------------------|
| CORE CURRICULUM:                    | 51-58 credits        |
| LUTHERAN/CHRISTIAN PUBLIC ED MAJOR: | 45-48 credits        |
| PUBLIC ED MAJOR:                    | 39-42 credits        |
| MAJOR SUBJECT AREA:                 | <u>36-64 credits</u> |
| TOTAL: 126-170 credits              |                      |

NOTE: Check with the Chair of the Secondary Education Department for possible changes in this major.

**CORE CURRICULUM 51-58 crs.****Common Core – 15-18 credits**

Theology (Lutheran and Christian Public Education Emphasis) – 9 crs.

REL 201 Old Testament

REL 203 New Testament

REL 204 Biblical Theology

**OR** (Public Education Emphasis) – 6 crs.

REL 100 The Bible

REL 110 Christian Faith

History: HIST 103 Civilization & Worldviews:

History – 3 crs.

Literature: ENG 103 Civilization & Worldviews:

Literature – 3 crs.

Writing: ENG 104 Introduction to Writing – 3 crs.

**Narrative Core – 12 credits**

Citizenship: POLS 201 American Government – 3 crs.

Communication: COMM 105 Public Speaking **OR**

COMM 201 Interpersonal Communication – 3 crs.

Culture: ED 103 Human Relations – 3 crs.

Philosophical Foundations:

ED 102 Foundations of Education – 3 crs.

**Elective Core – 24-28 credits**

Creative Arts: Any Art, Music, or Theatre

“activity” course – 3 crs.

Language: May be satisfied by a non-Western language course that also fulfills Non-Western history or contemporary culture requirement – 3 crs.

Non-Western history or contemporary culture (This requirement may be met by taking a non-Western language, non-Western history, or non-Western contemporary culture course.)

Mathematics: MATH 125 Contemporary Mathematics – 3 crs.

Physical Development: HHP 100 Intro to Lifetime Fitness – 1 cr.

Physical Development Activity Course – 1 cr.

Life science with lab: SCI 150, BIO 140, BIO 146, BIO 246, BIO 256, BIO 270, or BIO 367 – 3/4 crs.

Physical science with lab: CHEM 105, PHYS 107, PHYS 121, SCI 135, SCI 155, SCI 195, SCI 246, or SCI 303 – 3/4 crs.

Note: Students must take at least one science course with a lab

Social Science: \*ED 309 Educational Psychology-Adolescent - 3 crs.

Theology Elective – 3 crs.

**SECONDARY/K-12 EDUCATION MAJOR 39-48 crs.****Theoretical and Practical Components – 24-27 credits**

ED 203 Educational Technologies – 1 cr.

ED 230 Nature of the Exceptional Child – 3 crs.

\*ED 350 Teaching in the Middle School – 3 crs.

\*ED 370 Analysis of Instruction - Secondary – 3 crs.

+\*ED 37\_ Curriculum & Methods in Teaching

Majors & Minors – 3-6 crs.

\*ED 383 Communication Arts in the Content Areas – 3 crs.

\*ED 409 Instructional Technologies – 1 cr.

\*ED 411 Professional Ethics – 3 crs.

\*ED 414 Portfolio Completion – Secondary – 1 cr.

PSY 221 Child Development

(For K-12 Majors only) – 3 crs.

+Must be completed concurrently with OR before enrolling in curriculum and methods course in majors and minors.

**Experiential Component – 15 credits**

(For Clinicals, register for ED 100.)

ED 100 (211) General Clinical I Experience – 1 cr.

ED 100 (212) Multicultural Clinical II Experience – 1 cr.

ED 100 (213) Special Education

Clinical III Experience – 1 cr.

\*ED 422 & 474 (6-12) **OR**

ED 433 & ED 434 (K-12) Student Teaching – 12 crs.

**Lutheran (LCMS Members) Education****Requirements – 6 credits**

REL 404 Lutheran Confessions – 3 crs.

\*ED 306 Teaching the Faith – 3 crs.

**Christian Public Education Requirements – 6 credits**

REL 404, REL 347, REL 333, PHIL 325

**OR** PHIL 334 – 3 crs.

\*ED 307 Teaching the Faith for the Christian Public Educator – 3 crs.

*\*Course Requires Upper Division Status*

## Secondary Education (Grades 6-12) Licensable Subject Area Majors & Minors

Concordia currently offers teaching majors for Grades 6-12 (early adolescence through adolescence) as approved by the Wisconsin Department of Public Instruction and leading to a Wisconsin license in the following subject areas: biology, broadfield science, English, history, mathematics, social studies (broadfield). Theology is offered as a non-licensable major.

Note that requirements are subject to change according to new state guidelines. See the Chair of Secondary Education for further details on these majors and for requirements for teaching minors.

NOTE: Students must select at least one licensable subject area major. In addition, students are strongly encouraged to add a subject area minor.

### ADAPTIVE EDUCATION MINOR 18 crs.

ED 327 Working with Children with Disabilities and their Families – 3 crs.

\*ED 328 Environmental and Personal Strategies for Self-Management for Children with Disabilities – 3 crs.

\*ED 479 Assessment and Instruction for Children with Special Needs – 3 crs.

\*ED 481 Language and Communication Disorders – 3 crs.  
ED 484 Educational/Behavioral Management in Special Education – 3 crs.

\*ED 487 Intervention Strategies in Special Education – 3 crs.

### ATHLETIC COACHING MINOR 26 crs.

#### Required Core:

BIO 275 Principles of Anatomy and Physiology I w/lab counts in core for SCI 150 – 4 crs.

#### Required Courses:

HHP 209 First Aid and CPR – 2 crs.

HHP 272 Introduction to Athletic Training – 3 crs.

HHP 275 Administration and Organization of Physical Education and Athletics – 3 crs.

HHP 280 Psychology of Sport – 3 crs.

HHP 342 Nutrition for Wellness and Performance – 3 crs.

HHP 371 Exercise Physiology – 3 crs.

HHP 373 Motor Development – 3 crs.

HHP 490 Practicum in Coaching – 1-3 crs.

#### Electives - 2 Crs.

*Choose one of the following:*

HHP 281 Theory & Techniques of Coaching Softball – 2 crs.

HHP 282 Theory & Techniques of Coaching Basketball – 2 crs.

HHP 284 Theory & Techniques of Coaching Football – 2 crs.

HHP 286 Theory & Techniques of Coaching Track & Field – 2 crs.

HHP 287 Theory & Techniques of Coaching Soccer – 2 crs.

HHP 288 Theory & Techniques of Coaching Volleyball – 2 crs.

### BIOLOGY MAJOR 50 crs.

#### Required Core:

BIO 140 General Biology I & Lab (replaces SCI 150 in Core) – 4 crs.

MATH 205 Statistics I (satisfies Math in Core)

#### Required Courses:

BIO 142 General Biology II & Lab – 4 crs.

BIO 146 Essentials of Anatomy & Physiology & Lab – 4 crs.

BIO 240 Zoology & Lab – 4 crs.

BIO 244 Botany & Lab – 4 crs.

BIO 249 Microbiology & Lab – 4 crs.

BIO 348 Genetics – 4 crs.

BIO 410 Ecology & Lab – 4 crs.

BIO 490 Biology Senior Seminar – 1 cr.

SCI 303 Cosmogony – 3 crs.

BIO Elective – 3 crs.

#### Physical Science Requirements – 8 crs.

CHEM 105 Elements of Gen. & Bio. Chem.

(replaces SCI 155 in Core) and PHYS 151

General Physics I **OR** CHEM 141 General Chemistry I

& Lab (replaces SCI 155 in Core) and CHEM 142

General Chemistry II & Lab

### BIOLOGY MINOR 27 crs.

BIO 140 General Biology I w/lab **OR**

SCI 150 w/lab in Core – 4 crs.

BIO 142 General Biology II w/lab – 4 crs.

BIO 240 Zoology w/lab – 4 crs.

BIO 244 Botany w/lab – 4 crs.

BIO 256 Environmental Science w/lab **OR**

BIO 410 Ecology w/lab – 4 crs.

CHEM 105 Elements of Gen. & Bio. Chem. w/lab **OR**

SCI 155 Physical Science in Core – 4 crs.

NOTE:ED 376 Curriculum & Methods in Science - Secondary/Middle is also required for the secondary education biology major and minor.

**BROAD FIELD SCIENCE MAJOR 56 crs.**

The Broad Field Science major consists of 56 credits of science divided among the three major subcategories of science—physical science, earth science, and biology/environmental science. The student will concentrate in at least one of these areas. CUW currently offers concentrations in biology/environmental science (Option I) and physical science (Option II). A person with a broad field science license may teach any science class at the early adolescence-adolescence level, up through grade 10, and any basic science class in grades 11-12 that is not: A) part of the college preparatory sequence; B) an advance placement course; C) an elective course with more depth of content than basic courses. To teach a course under the criteria in A, B, or C (above), the teacher must have a concentration in that subject area. Students with a life science emphasis will have a minor which allows them to teach upper level courses in biology, and students with a physical science emphasis will have a minor which allows them to teach upper level courses in chemistry.

**OPTION A — Broad Field Science Major with a Concentration in Biology/Environmental Science****Biology/Envir. Science Concentration (27 credits)**

BIO 140 General Biology I **OR**  
 SCI 150 Life Sciences – 4 crs.  
 BIO 142 General Biology II – 4 crs.  
 BIO 146 Essentials of Anatomy/Physiology – 4 crs.  
 BIO 256 Environmental Science – 4 crs.  
 BIO 348 Genetics – 4 crs.  
 BIO 490 Senior Seminar – 1 cr.  
 Biology Electives – 6 crs.

**Earth Science Subcategory (13 credits)**

SCI 135 Earth Science – 4 crs.  
 PHYS 107 Astronomy – 3 crs.  
 SCI 195 Meteorology – 3 crs.  
 SCI 303 Cosmogony – 4 crs.

**Physical Science Subcategory (16 credits)**

SCI 155 Physical Science – 4 crs.  
 PHYS 151 General Physics I – 4 crs.  
 CHEM 141 General Chemistry I – 4 crs.  
 CHEM 142 General Chemistry II – 4 crs.

**OPTION B — BFS Major with a Concentration Physical Science****Physical Science Concentration (26 credits)**

SCI 155 Physical Sciences – 4 crs.  
 PHYS 151 General Physics I – 4 crs.  
 PHYS 152 General Physics II – 4 crs.  
 CHEM 141 General Chemistry I – 4 crs.  
 CHEM 142 General Chemistry II – 4 crs.  
 Chemistry Electives – 4 crs.

**Biology/Envir. Science Subcategory (17 credits)**

BIO 140 General Biology I **OR**  
 SCI 150 Life Sciences – 4 crs.  
 BIO 142 General Biology II – 4 crs.  
 BIO 146 Essentials of Anatomy/Physiology – 4 crs.  
 BIO 256 Environmental Science – 4 crs.  
 BIO 490 Senior Semina – 1 cr.

**Earth Science Subcategory (13 credits)**

SCI 135 Earth Science – 4 crs.  
 PHYS 107 Astronomy – 3 crs.  
 SCI 195 Meteorology – 3 crs.  
 SCI 303 Cosmogony – 4 crs.

NOTE: ED 376 Curriculum & Methods in Science - Secondary/Middle is required in the secondary education broad field science major.

**BROAD FIELD SOCIAL STUDIES MAJOR 63-66 crs.**

The Broad Field Social Studies license entitles the applicant to teach all social studies courses in Grades 6-9, specific fusion courses in grades 10 - 12 (ex. Civics, American Problems, Social Problems, etc.), and history courses and courses in areas of concentration in all middle/secondary school grades. The Broad Field Social Studies Major requires a History Major with either a Social Science Minor or Social Science concentration.

**OPTION A — History Major with Social Science Minor 66 credits****Required Core:**

History Major (1,2, or 3, see Secondary History) – 36 crs.  
 Social Science Minor – 33 crs.  
 POLS 201 American Government – 3 crs.  
 PSY 209 Educational Psychology – 3 crs.

**Required Courses:**

ECON 200 Principles of Economics – 3 crs.  
 SOC 101 Introduction to Sociology – 3 crs.  
 GEOG 220 Cultural Geography – 3 crs.

**Electives – 18 crs.**

Choose 18 additional credits in a single social science area: political science, economics, psychology, sociology, or geography



**OPTION B — History Major with Social Science Concentration 63 credits****Required Core:**

History Major (choose option 1, 2, or 3,  
see Secondary History) – 36 crs.  
Social Science Concentration – 27 crs.  
POLS 201 American Government – 3 crs.  
PSY 209 Educational Psychology – 3 crs.

**Required Courses:**

ECON 200 Principles of Economics – 3 crs.  
SOC 101 Introduction to Sociology – 3 crs.  
GEOG 220 Cultural Geograph – 3 crs.

**Elective – 12 Crs.**

Choose 12 additional credits: 6 credits from social science area #1 and 3 credits each from social science areas #2 and #3. Choose from the following areas: political science, economics, psychology, sociology, and geography.  
Area # 1 – 6 crs.  
Area # 2, Area # 3 – 3 crs. ea.

NOTE: ED 373 Curriculum & Methods in Social Studies - Secondary/Middle is also required for the broad field social science major.

**CHEMISTRY MINOR 26 crs.****Required Core:**

MATH 121 Intermediate Algebra

**Required Courses:**

CHEM 141 General Chemistry I – 4 crs.  
CHEM 142 General Chemistry II – 4 crs.

CHEM 241 Organic Chemistry I – 4 crs.  
CHEM 242 Organic Chemistry II – 4 crs.  
CHEM 225 Analytical Chemistry – 4 crs.  
CHEM 425 Biochemistry – 3 crs.  
\*ED 376 Methods of Teaching Science -  
Secondary Middle – 3 crs.

**ENGLISH MAJOR 42 crs.**

ENG 245 Advanced Writing – 3 crs.  
ENG 305 Advanced Grammar and Usage – 3 crs.  
ENG 341 American Literature I – 3 crs.  
ENG 342 American Literature I – 3 crs.  
ENG 344 English Literature I – 3 crs.  
ENG 345 English Literature II – 3 crs.  
ENG 347 World Literature I **OR**  
ENG 348 World Literature II – 3 crs.

ENG 365 English – Its Cultural Development – 3 crs.  
ENG 465 Shakespeare – 3 crs.  
ENG 475 Literary Criticism – 3 crs.  
ENG 495 Senior Seminar – 3 crs.  
\*ED 432 Teaching Writing – 3 crs.  
\*ED 372 Curriculum and Methods of  
Teaching English – 3 crs.  
Elective – 3 crs.

**ENGLISH MINOR 27 crs.**

ENG 245 Advanced Writing– 3 crs.  
ENG 305 Advanced Grammar and Usage– 3 crs.  
ENG 341 American Literature I **OR**  
ENG 342 American Literature II – 3 crs.  
ENG 344 English Literature I **OR**  
ENG 345 English Literature II – 3 crs.

ENG 347 World Literature I **OR**  
ENG 348 World Literature II – 3 crs.  
ENG 365 English-Its Cultural Development – 3 crs.  
ENG 465 Shakespeare – 3 crs.  
\*ED 432 Teaching Writing – 3 crs.  
\*ED 372 Curriculum and Methods of  
Teaching English – 3 crs.

**ESL: ENGLISH AS A SECOND LANGUAGE MINOR 22-25 crs.**

Study of a Modern Foreign Language –  
with a minimum of 6 residence credits (Note: up to  
6 retroactive credits may be earned in foreign  
language.) – 9-12 crs.  
COMM 460 Cross-Cultural Communication – 3 crs.

ENG 240 Basic English Linguistics – 3 crs.  
ENG 365 English: Its Cultural Development – 3 crs.  
\*ED 310 Methods of Teaching Foreign  
Language and ESL – 3 crs.  
\*ED 315 Practicum in ESL – 1 cr.

**GERMAN MINOR 24 crs.**

GER 201 Intermediate German I – 3 crs.  
GER 202 Intermediate German II – 3 crs.  
GER 301 German Conversation & Composition – 3 crs.  
GER 306 German Literature from  
1750 to 20th Century – 3 crs.  
GER 307 Applied Linguistics – 3 crs.

GER 331 Advanced German Grammar  
& Composition – 3 crs.  
GER 361 Civilization & Culture of  
German Speaking Countries – 3 crs.  
\*ED 310 Methods in Teaching Foreign Language – 3 crs.  
Also required: Immersion Experience and  
accompanying paper.

**HEALTH EDUCATION MINOR 24 crs.****Required Core:**

HHP 100 Introduction to Lifetime Fitness  
Physical Development Activity Course **OR**  
HHP 254 Foundations of Fitness  
(replaces HHP 100 for Physical Education majors)  
BIO 275 Principles of Anatomy and  
Physiology I w/lab – 4 crs.  
(counts in Core for SCI 150 Life Science)

**Required Courses:**

HHP 209 First Aid and CPR – 2 crs.  
HHP 260 School, Family and Community Health – 3 crs.  
HHP 265 Healthy Lifestyles – 3 crs.  
HHP 342 Nutrition for Wellness and Performance – 3 crs.  
\*HHP 361 Technology in Health &  
Human Performance – 3 crs.  
\*HHP 410 Measurement & Evaluation in  
Health and Physical Education – 3 crs.  
\*HHP 450 Curriculum and Methods of  
Health Education – 3 crs.

\* Course Requires Upper Division Status

Note: The Health Education minor is certified by the Wisconsin Department of Public Instruction for individuals who have completed a DPI licensed major. This minor enables teacher education graduates to provide instruction in health promotion and the prevention of health problems to students in Lutheran and public school settings. The goal of this instruction is to enable individuals to make choices which improve the quality of life and the care of God's temple.

**HISTORY MAJOR 39 crs.****Required – 24 crs.**

U.S. History – 6 crs.  
European History – 6 crs.  
Non-Western/Global History – 6 crs.  
HIST 385 Historical Methods – 3 crs.  
HIST 490 Senior Seminar – 3 crs.  
**AND (the student must choose one  
of the following) – 12 crs.**

**I. Emphasis in American History\*\***

U.S. History – 9 crs.  
European or Non-Western/Global History – 3 crs.

**II. Emphasis in European History\*\***

European History – 6 crs.  
U.S. or Non-Western/Global History – 3 crs.

**III. Emphasis in Global History\*\***

Non-Western/Global History – 9 crs.  
U.S. or European History – 3 crs.

\*\*Students must take at least one 100-level survey course and two upper level courses.

\*ED 373 Curriculum and Methods in Social Studies-  
Secondary – 3 crs.

**HISTORY MINOR 24 crs.****Required – 12 crs.**

U.S. History – 3 crs.  
European History – 3 crs.  
Non-Western/Global History – 3 crs.  
HIST 385 Historical Methods – 3 crs.  
**AND (the student must choose one  
of the following) – 9 crs.**

**I. Emphasis in American History**

U.S. History – 6 crs.  
European or Non-Western/Global History – 3 crs.

**II. Emphasis in European History**

European History – 6 crs.  
U.S. or Non-Western/Global History – 3 crs.

**III. Emphasis in Global History**

Non-Western/Global History – 6 crs.  
U.S. or European History – 3 crs.

\*ED 373 Curriculum and Methods in Social Studies-  
Secondary/Middle – 3 crs.

NOTE: ED 373 Curriculum & Methods in Social Studies-  
Secondary/Middle is also required for the history major  
and minor.

**MATHEMATICS MAJOR 40 crs.****Required Core:**

MATH 205 Statistics I – 3 crs.

**Required Courses:**

MATH 201 Calculus I – 4 crs.  
MATH 202 Calculus II – 4 crs.  
MATH 203 Calculus III – 4 crs.  
MATH 220 Discrete Mathematics – 3 crs.  
MATH 305 Statistics II – 3 crs.

MATH 321 Abstract Algebra – 3 crs.  
MATH 325 Linear Algebra &  
Differential Equations – 4 crs.  
MATH 331 Geometry – 3 crs.  
MATH 441 Real Analysis – 3 crs.  
MATH 490 Senior Seminar – 3 crs.  
CSC 150 Foundations of Computer Science – 3 crs.  
\*ED 312 Math in the Middle School – 3 crs.  
\*ED 374 Curriculum and Methods in  
Mathematics-Secondary/Middle – 3 crs.

**MATHEMATICS MINOR 21 crs.****Required Core:**

MATH 205 Statistics I – 3 crs.

**Required Courses:**

MATH 201 Calculus I – 4 crs.

MATH 202 Calculus II – 4 crs.

MATH 203 Calculus III – 4 crs.

**PSYCHOLOGY MINOR 22 crs.****Required Core:**

BIO 146 Essentials of Anatomy and Physiology –  
counts in Core for SCI 150 – 4 crs.

**Required Core:**

PSY 201 Interpersonal Communication – 3 crs.

**SPANISH MINOR 24 crs.**

SPAN 201 Intermediate Spanish I – 3 crs.

SPAN 202 Intermediate Spanish II – 3 crs.

SPAN 307 Applied Linguistics – 3 crs.

SPAN 315 Topics in Conversation **OR** SPAN 301

Spanish Conversation and Composition – 3 crs.

SPAN 351 Spanish and

Latin American Civilization I – 3 crs.

**SPEECH MINOR 21 crs.**

COMM 201 Interpersonal Communication – 3 crs.

COMM 205 Advanced Public Speaking – 3 crs.

COMM 300 Group Dynamics – 3 crs.

COMM 331 Argumentation, Debate,  
and Forensics – 3 crs.

**THEOLOGY MAJOR AND MINOR**

The theology major and minor are not licensable subjects in the state of Wisconsin. See requirements as listed in the School of Arts and Sciences section.

**URBAN EDUCATION MINOR 18 crs.****Required Core:**

COMM 460 Cross-Cultural Communication (may be  
used to fulfill non-Western requirement in core)

**Required Courses:**

ED/SOC 293 The Urban Education Landscape – 3 crs.

**Electives – 6 crs.**

*Select from:*

MATH 220, 305, 321, 325, 331, 441, or 470 – 6 crs.

\*ED 312 Math in the Middle School

\*ED 374 Curriculum and Methods in  
Mathematics-Secondary/Middle

PSY 310 Theories of Personality – 3 crs.

PSY 425 Abnormal Psychology – 3 crs.

SOC 300 Group Dynamics – 3 crs.

**Electives – 6 crs.**

*Choose at least 6 credits from among:*

PSY 222, PSY 245, PSY 315, PSY 451, PSY 460, SOC 203,

SOC 255, SOC 312, SOC 365, SOC 375, SOC 450

SPAN 352 Spanish and

Latin American Civilization II – 3 crs.

SPAN 355 Spanish and Latin American Literature I **OR**

SPAN 356 Spanish and Latin American Literature II – 3 crs.

\*ED 310 Curriculum & Methods in Teaching a  
Foreign Language – 3 crs.

Also required: Immersion Experience of at least four weeks  
and accompanying paper and Oral Proficiency Interview

\*COMM 460 Cross-Cultural Communication – 3 crs.

\*ED 372 Curriculum and Methods of  
Teaching English – 3 crs.

**Electives – 3 crs.**

*Select from:*

COMM 250, COMM 322, COMM 354, 390, THR 261 – 3 crs.

ED/SOC 294 Paradigms for Success  
in Urban Education – 3 crs.

\*ED 429 Urban Education Field Practicum – 3 crs.

**Electives – 6 crs.**

*Select from:*

COMM 333, ENG 240, GEOG 220, PSY 315, REL 298, REL 311

**K-12 LICENSABLE SUBJECT AREA MAJORS & MINORS**

Concordia currently offers teaching majors for Grades K-12 (approved by the Wisconsin Department of Public Instruction and leading to a Wisconsin license) in the following subject areas: art education, business education, German, music – general/choral, music – general/instrumental, physical education, and Spanish. A student may also complete any additional majors or minors from the secondary education program section in addition to a K-12 major.

**ART EDUCATION MAJOR 66 crs.**

The Art Education Major consists of a total of 117-123 credit hours of course work dependent upon whether the student chooses a public school or Lutheran education focus. In both cases coursework blends studio and education courses to fully prepare students for a rewarding career in art education. Upon successful completion of coursework, including a semester of student teaching, art education majors earn full licensure by the State of Wisconsin to teach art at the elementary and secondary levels (K-12). In addition to requirements for the 51-58 credit K-12 Education core, art education majors complete the following 66 credits of required coursework.

**Required Core:**

ART 141 Drawing Fundamentals (satisfies core Creative Arts requirement)

**Required Art Courses – 48 credits**

ART 110/111 Design Fundamentals **OR**  
2D Composition – 3 crs.  
ART 131 Darkroom Photography I – 3 crs.  
GD 100/111 Digital Design Fundamentals **OR**  
Graphic Design I – 3 crs.  
ART 210 Design II (3D Composition) – 3 crs.  
ART 230 Printmaking Studio I – 3 crs.  
ART 245 Drawing II – 3 crs.  
ART 258 Ceramics I – 3 crs.  
ART 265 Painting I Acrylic – 3 crs.  
ART 275 Sculpture I – 3 crs.

ART 285 Art History I – 3 crs.  
ART 286 Art History II – 3 crs.  
ART 290-295 Applied Design – 3 crs.  
ART 381 Aesthetics – 3 crs.  
Art Elective – 6 crs.

**Required Art Education Courses – 18 credits**

AE 102 Foundations of Art Ed – 3 crs.  
AE 235 Elementary Art Education Theory and Practice – 2 crs.  
AE 237 Strategies for Mainstreaming in Art Education – 1 cr.  
AE 335 Secondary Art Education Theory & Practice – 3 crs.  
AE 340 Curriculum Design for Art Education – 3 crs.  
AE 342 Studio Practices I (CUS Atelier) – 3 crs.  
AE 343 Studio Practices II (CUS Atelier) – 3 crs.

**BUSINESS EDUCATION MAJOR 36 crs.**

ACCT 201 Accounting Principles I (requires sophomore standing) – 3 crs.  
ACCT 202 Accounting Principles II (requires sophomore standing) – 3 crs.  
BUS 130 Principles of Management – 3 crs.  
BUS 210 Business Law I – 3 crs.  
BUS 360 Small Business Administration – 3 crs.

BUS 450 International Business – 3 crs.  
ECON 200 Principles of Economics – 3 crs.  
COMM 247 Business Writing – 3 crs.  
MKTG 131 Principles of Marketing – 3 crs.  
CSC 150 Foundations of Computer Science – 3 crs.  
CSC 175 Advanced Software Applications – 3 crs.  
\*ED 377 Curriculum & Methods in Business Education – 3 crs.

**GERMAN MAJOR 37 crs.**

GER 201 Intermediate German I – 3 crs.  
GER 202 Intermediate German II – 3 crs.  
GER 301 Conversation & Composition – 3 crs.  
GER 306 Literature – 3 crs.  
GER 307 Applied Linguistics – 3 crs.

GER 331 Advanced German Grammar & Composition – 3 crs.  
GER 361 Civilization & Culture – 3 crs.  
GER 490 Seminar/Capstone Course – 3 crs.  
Advanced German Language/Culture (Normally taken during study abroad experience) – 10 crs.  
\*ED 310 Methods in Teaching Foreign Language – 3 crs.  
Also required: Semester abroad.

**MUSIC MAJOR – GENERAL/CHORAL (K-12) 56 crs.**

MUS 080 Concert/Recital Attendance (each semester) – 0 crs.  
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 250 Beginning Conducting – 3 crs.  
MUS 271 Music History I – 3 crs.  
MUS 272 Music History II – 3 crs.  
MUS 273 Music History III – 3 crs.  
MUS 315 Techniques of Teaching Voice – 3 crs.  
MUS 351 Advanced Conducting – 3 crs.  
MUS 445 Composing/Arranging – 3 crs.  
MUS 499 Recital (principal area) – 2 crs.

APPLIED MUSIC (Studio instruction in voice, piano, or organ Minimum 4 sem. at 2 cr./sem. in principal area and 4 sem. at 1 cr./sem. in minor area) – 12 crs.  
ENSEMBLE (6-7 semesters in a choral ensemble for credit) – 4 crs.

Must pass a piano proficiency test.  
Must pass a vocal proficiency test.  
Must pass a folk/fretted instrument proficiency test.  
Must successfully coach and perform publicly with a small vocal ensemble.

\*ED 379 Curriculum & Methods in Teaching Music-K-12

**MUSIC MAJOR – GENERAL/INSTRUMENTAL (K-12) 61 crs.**

MUS 080 Concert/Recital Attendance  
(each semester) – 0 crs.  
 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 250 Beginning Conducting – 3 crs.  
 MUS 271 Music History I – 3 crs.  
 MUS 272 Music History II – 3 crs.  
 MUS 273 Music History III – 3 crs.  
 MUS 351 Advanced Conducting – 3 crs.  
 MUS 356 Techniques of Teaching Brass – 2 crs.  
 MUS 357 Techniques of Teaching Woodwinds – 2 crs.  
 MUS 358 Techniques of Teaching Percussion – 2 crs.  
 MUS 359 Techniques of Teaching Strings – 2 crs.

MUS 445 Composing/Arranging – 3 crs.  
 MUS 499 Recital (principal area) – 2 crs.  
 APPLIED MUSIC (Studio instrumental instruction)  
 Minimum 4 sem. at 2 cr./sem. in principal area  
 and 4 sem. at 1 cr./sem. in minor area – 12 crs.  
 ENSEMBLE (6 semesters in an  
 instrumental ensemble for credit) – 6 crs.

Must pass a piano proficiency test.  
 Must pass a secondary instrument proficiency test.  
 Must pass a folk/fretted instrument proficiency test.  
 Must coach and perform publicly with a small  
 instrumental ensemble.

\*ED 379 Curriculum and Methods of Teaching Music–K-12

**PHYSICAL EDUCATION MAJOR 62-64 crs.**

The Physical Education Major is licensed by the Department of Public Instruction of Wisconsin. It is a highly selective program. Students completing a degree are licensed to teach grades K-12. Students completing this program are also eligible for licensure in athletic coaching and adaptive physical education. At the end of the student's sophomore year, he/she will make application for admission into the Program. Criteria for admission into the Physical Education Program maybe obtained by contacting the chairperson of the Health and Human Performance Department.

**Required Courses:**

BIO 275 Principles of Anatomy and  
 Physiology I w/lab – 4 crs.  
 BIO 276 Principles of Anatomy and  
 Physiology II w/lab – 4 crs.

**Required Professional Courses:**

HHP 167 Stunts and Tumbling – 1 cr.  
 HHP 171 Introduction to Exercise Science – 1 cr.  
 HHP 209 First Aid and CPR – 2 crs.  
 HHP 371 Exercise Physiology – 3 crs.  
 HHP 373 Motor Development – 3 crs.  
 HHP 375 Biomechanics – 3 crs.  
 \*HHP 407 Professional Foundations in  
 Physical Education – 3 crs.  
 \*HHP 410 Measurement & Evaluation in  
 Health and Physical Education – 3 crs.  
 \*HHP 412 Adapted Physical Education – 3 crs.  
 \*HHP 489 Practicum in Adaptive  
 Physical Education – 1-3 crs.

**Required Pedagogy Courses:**

HHP 208 Developing Teaching Skills in  
 Physical Education – 2 crs.  
 HHP 250 Teaching Activity Core II – 3 crs.  
 HHP 254 Teaching Activity Core I  
 (Satisfies HHP 100 Activity Core) – 3 crs.  
 HHP 355 Teaching Activity Core III – 3 crs.  
 HHP 356 Teaching Activity Core IV – 3 crs.  
 \*HHP 361 Technology in Health and  
 Human Performance – 3 crs.  
 HHP 381 Curriculum Methods for Teaching  
 Physical Education & Health-Secondary – 3 crs.  
 \*HHP 404 Curriculum Methods for Teaching  
 Physical Education & Health-Elementary – 3 crs.  
 HHP 428 Movement Skills in Early Childhood – 2 crs.

**Electives – (choose 1)**

HHP 272 Introduction to Athletic Training – 3 crs.  
 HHP 275 Adm. & Org. of P.E. and Athletics – 3 crs.  
 HHP 280 Psychology of Sport – 3 crs.  
 HHP 409 History of Physical Education – 3 crs.  
 HHP 414 Women in Sport – 3 crs.

NOTE: Physical Education majors are strongly encouraged to complete a minor in health education.

\*Courses require Upper Division Status

## Admission into the Physical Education License and Non-License Programs Application Process

### By the completion of Year 2:

Prior to starting Year 3 (junior), students wishing admission into the Physical Education Program must complete the following checklist and submit it to the Department Chair. Any items not completed at the specified level must be resolved before students begin their course work in year 3. Special appeals for extenuating circumstances must be made in writing to the Physical Education Acceptance Committee by the last day in April (during year two of the student's normal progress towards a degree).

### Requirements for Admission into the Physical Education Program:

| <b>Requirements</b> | <b>Relevant Information</b> |   |
|---------------------|-----------------------------|---|
| HHP 171             | Grade of B or above         | <ul style="list-style-type: none"> <li>• Must have UDS before beginning third year in the program.</li> <li>• Letter requesting admission into the program to be used as a writing sample</li> <li>• Contains a formal request for admission into the program with supporting rationale detailing their reasons for pursuing a profession in Physical Education</li> <li>• Appearance, writing ability, content, and supporting documentation critical.</li> <li>• There is an appeal process should the student care to use it.</li> </ul> |
| HP 208              | Grade of B or above         |   |
| HHP 355 & 356       | Grade of B or above         |   |
| ENG 103             | Grade of C or above         |   |
| BIO 275/276         | Grade of C or above         |   |
| ED 100              | Continuous Registration     |   |
| PPST Math           | Passed (licensure only)     |   |
| PPST Reading        | Passed (licensure only)     |   |
| PPST Writing        | Passed (licensure only)     |   |
| PPST(non-Lic.)      | Passed 2 of 3               |   |
| General Core        | Grades only 1 D, no F       |   |
| Service to Christ   | (20 hrs. documented)        |   |
| P.E. Majors Club    | 1 Full Yr. of Participation |   |
| Unit Plan           | 1 Unit Plan Grade B         |   |

### SPANISH MAJOR 39 crs.

SPAN 201 Intermediate Spanish I – 3 crs.  
 SPAN 202 Intermediate Spanish II – 3 crs.  
 SPAN 307 Applied Linguistics – 3 crs.  
 SPAN 315 Topics in Conversation – 3 crs.  
 SPAN 331 Advanced Grammar and Composition – 3 crs.  
 SPAN 351 Spanish and Latin American Civilization I – 3 crs.  
 SPAN 352 Spanish and Latin American Civilization II – 3 crs.

SPAN 355 Spanish and Latin American Literature I – 3 crs.  
 SPAN 356 Spanish and Latin American Literature II – 3 crs.  
 SPAN 490 Seminar/Capstone Course – 3 crs.  
**Electives:**  
*Minimum 6 cr. language/culture electives normally taken during study abroad.*  
 ED 310 Curriculum and Methods of Teaching Foreign Language – 3 crs.  
 Also required: Semester abroad.

### EDUCATIONAL STUDIES MINOR (non-licensable) 20 credits

ED 100 Two Clinical Experiences – 2 crs.  
 ED 102 Foundations of Education – 3 crs.  
 ED 103 Human Relations – 3 crs.  
 ED 275 Human Learning **OR**  
 ED 309 Educational Psychology – Adolescent – 3 crs.

ED 230 Nature of the Exceptional Child – 3 crs.  
 ED 370 Analysis of Instruction — K-12 – 3 crs.  
**Electives:**  
*Choose 3 credits from the following:* ED 293, ED 294, ED 306, ED 350, ED 411, ED 464 – 6 crs.

## Teacher Colloquy Program (LCMS)

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The Teacher Colloquy is designed for members of the Missouri Synod who have received their teacher training at a non-Synodical college and would like to be certified for teaching in schools of the Synod. The program is available online through the Concordia University Education Network, CUEnet. ([www.cuenet.edu](http://www.cuenet.edu)). For more information, contact the CUEnet director at 1-800-238-3037 or write CUEnet, 345 Cyber Drive, Bend, Oregon 97702. The program typically consists of 24 credit hours.

In 1989, the Provisional Endorsement for Lutheran Teaching (P.E.L.T.) Program was developed by the colleges and universities and the appropriate boards of the Lutheran Church-Missouri Synod. This program was developed in recognition of the many capable Lutheran teachers involved in the ministries of the LCMS Parochial School Systems who were non-synodically certified.

The initial vision was to offer these teachers an avenue to take steps toward teacher's synodical certification via the LCMS's Teachers Colloquy Program. It was an initial step because the candidate could only fulfill some of the course requirements via the extension model. The candidate then had to complete the colloquy course requirements through residence course work at one of the synodical colleges offering a bachelor's degree in teacher education. Since the Synodical Convention in Pittsburgh in 1992, it is possible to take the eight required courses to fulfill course work requirements for teach colloquy via the Theological Education by Extension Model. We have several extension locations in different parts of the country.

The School of Health Professions houses the following undergraduate (UG) and graduate (G) professional and pre-professional programs in the health and human services: Occupational Therapy (G), Physical Therapy (G) and pre-Physical Therapy(UG), Radiology Technology (UG), Rehabilitation Sciences (UG/G), Social Work (UG) and Medical Assistant (Certificate).

## 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. Each student must complete a Certified Nursing Assistant (CNA) program before submitting their clinical application (December of sophomore year). 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 CUW 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 CUW 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. In addition, each student must complete a CNA program prior to submitting their professional application. 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 CURRICULUMS (Subject to change)**

**Aurora St. Luke's Medical Center School of Diagnostic Sonography - Class of 2014**

**Cardiac/Vascular Concentration**

**Semester I**

**Sept. 4, 2012 - Dec. 21, 2012**

Introduction to DMS — 3 crs.  
 Cardiovascular Anatomy — 1 cr.  
 Cardiovascular Physiology — 2 crs.  
 Doppler Principles — 1 cr.  
 Vascular Sonography I — 3 crs.  
 Clinical Education I — 3 crs.

**Semester II**

**Jan. 07, 2013 - May 10, 2013**

Adult Echocardiography –  
 Cardiomyopathy — 3 crs.  
 Adult Echocardiography –  
 Valvular Disease — 3 crs.  
 Sonographic Principles  
 & Instrumentation — 3 crs.  
 Vascular Sonography II — 3 crs.  
 Clinical Education II — 3 crs.

**Semester III**

**May 13, 2013 - August 13, 2013**

Embryology of the Heart — 2 crs.  
 Adult Echocardiography –  
 Advanced Pathologies — 3 crs.  
 Vascular Sonography III — 3 crs.  
 Clinical Education III — 3 crs.

**Semester IV**

**Sept. 3, 2013 - Dec. 20, 2012**

Special Procedures in  
 Echocardiography — 3 crs.  
 Pediatric Echocardiography I — 3 crs.  
 Stress Echocardiography I — 3 crs.  
 Introduction to Fetal  
 Echocardiography I — 3 crs.  
 Clinical Education IV — 4 crs.

**Semester V**

**January 6, 2014 - March 28, 2014**

Pediatric Echocardiography II — 3 crs.  
 Seminar in Professional  
 Development — 3 crs.  
 Clinical Education V — 5 crs.

**Total 65 credits**

**General/Vascular Concentration**

**Semester I**

**Sept. 4, 2012 - Dec. 21, 2012**

Introduction to DMS — 3 crs.  
 Abdominal Sonography I — 3 crs.  
 OB/GYN Sonography I — 3 crs.  
 Vascular Sonography I — 3 crs.  
 Clinical Education I — 3 crs.

**Semester II**

**Jan. 07, 2013 - May 10, 2013**

Abdominal Sonography II — 3 crs.  
 OB/GYN Sonography II — 3 crs.  
 Vascular Sonography II — 3 crs.  
 Sonographic Principles  
 & Instrumentation — 3 crs.  
 Clinical Education II — 3 crs.

**Semester III**

**May 13, 2013 - August 13, 2013**

Specialized Sonography — 2 crs.  
 OB/GYN Sonography III — 3 crs.  
 Vascular Sonography III — 3 crs.  
 Clinical Education III — 3 crs.

**Semester IV**

**Sept. 3, 2013 - Dec. 20, 2012**

Seminar in OB/GYN — 3 crs.  
 Fetal Echocardiography — 3 crs.  
 Introduction to  
 Neurosonography — 3 crs.  
 Clinical Education IV — 4 crs.

**Semester V**

**January 6, 2014 - March 28, 2014**

Seminar in Professional  
 Development — 3 crs.  
 Abdomen — 2 crs.  
 Intro to MSK — 1 cr.  
 Clinical Education V — 5 crs.

**Total 65 credits**

**Wheaton Franciscan Healthcare St Francis School of Diagnostic Medical Sonography Program**

**Semester I**

Foundations of Sonography — 5 crs.  
 Abdomen I — 4 crs.  
 Physics — 4 crs.  
 Clinical Practicum I — 3 crs.

**Semester II**

Abdomen II — 6 crs.  
 Physics II — 2 crs.  
 Clinical Practicum II — 3 crs.

**Semester III**

Pelvic Sonography — 3 crs.  
 Superficial Sonography — 2 crs.  
 Physics III — 2 crs.  
 Abdominal Case Review — 1 cr.  
 Clinical Practicum III — 3 crs.

**Semester IV**

Obstetrical Sonography I — 3 crs.  
 Vascular I — 3 crs.  
 Pediatric Ultrasound — 1 cr.  
 Abdomen & Pelvic Case Review — 1 cr.  
 Clinical Practicum IV — 3 crs.

**Semester V**

Obstetrical Sonography II — 3 crs.  
 Vascular II — 3 crs.  
 General & Vascular Case Review — 1 cr.  
 Clinical Practicum V — 3 crs.

**Semester VI**

Registry Review — 4 crs.  
 Case Review — 1 cr.  
 Clinical Practicum VI — 5 crs.

**Total = 69 credits**

**\*5 clinical hours – 1 didactic hour**

## Medical Assistant Program

The Concordia University Wisconsin Medical Assistant program uses the Core Curriculum for Medical Assistants set by the Medical Assisting Education Review Board (MAERB) of the American Association of Medical Assistants in conjunction with the Commission on Accreditation of Allied Health Education Programs (CAAHEP) as the basis for the curriculum.

The mission of the Medical Assistant Program is to prepare competent medical assistants to enhance health care delivery in the community, and to work collaboratively with other disciplines in assisting individuals, families, and communities to achieve their full health potential.

### CUW Core Curriculum – 9 crs.

Interpersonal Communication — 3 crs.

Psychology — 3 crs.

The Bible As Literature — 3 crs.

### Professional Curriculum – 27 crs.

Anatomy & Physiology I — 3 crs.

Anatomy & Physiology II — 3 crs.

Administrative Procedures I — 2 crs.

Administrative Procedures II — 2 crs.

Cardiopulmonary Resuscitation — 1 cr.

Clinical Procedures I — 2 crs.

Clinical Procedures II — 2 crs.

Laboratory Procedures I — 2 crs.

Laboratory Procedures II — 2 crs.

Medical Law & Ethics — 3 crs.

Pharmacology — 2 crs.

Practicum — 3 crs.

## Occupational Therapy Program

CUW's Master of Occupational Therapy program aims to help students develop entry level clinical skills, sound clinical reasoning based on theory and research, and beginning clinical research skills. The small class size allows personal faculty attention and mentoring. Exposure to different client populations in a wide variety of clinical and community settings occurs throughout the program. Classes are taught in extended time blocks that allow time for student fieldwork and employment.

Problem Based Learning (PBL) is an educational method that uses small group teams facilitated by either a faculty member or community clinician. Actual cases are presented to the group to address. PBL is used to help the students integrate course material, practice clinical problem solving, and become more familiar with the ambiguities of clinical practice.

Research is an important focus of the MOT program. Students learn to critically read and analyze literature, write evidence based research papers, and participate in a group research project with a poster presentation as the outcome. The faculty are actively engaged in research which provides additional research opportunities for students. CUW has state-of-the-art kinematic motion analysis equipment in the research laboratory that is available for student research projects.

Technological competence is another focus of the MOT program. Students become adept at using technology for professional use as well as clinical use. CUW has an extensive assistive technology lab that is available for student learning.

Concordia University Wisconsin's (CUW) Master of Occupational Therapy (MOT) program requires five semesters of sequential graduate work, including fieldwork. Students will need to complete each semester of the program before beginning the following semester course work. Students with a relevant undergraduate degree can be admitted directly to the MOT program with an outcome of a Master's Occupational Therapy degree. Students enrolled in the Bachelor of Science Degree in Rehabilitative Science are able to complete the undergraduate program (BSRS) and the Master of Occupational Therapy Program in a total of 4.5 years. A "three plus three" program is available for CUW students who are just beginning their undergraduate studies. Three years are devoted to study of a major (student choice) and an additional three years are devoted to their study of occupational therapy. The outcome is both a Bachelor's Degree in the major field and a Master's of Occupational Therapy degree in six years.

The Concordia University Wisconsin web site ([www.cuw.edu](http://www.cuw.edu)) contains additional information on the Master of Occupational Therapy program, including application and volunteer forms, or you may contact the graduate school admissions office for a complete packet of information.

The CUW Occupational Therapy program is non-discriminatory in recruitment, admissions, and program administration with respect to race, color, creed, sex, age, disabilities, religion, or national origin.

## ACCREDITATION STATUS AND CREDENTIALING MECHANISMS

The Occupational Therapy Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. AOTA's phone number is (301) 652-AOTA. ACOTE representatives can be reached at (301) 652-6611, x2910, or e-mailed at [accred@aota.org](mailto:accred@aota.org). Graduates of the Program will be able to sit for the National Certification Examination for the Occupational Therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). NBCOT can be contacted by e-mail at <http://www.nbcot.org>, by mail at 800 S. Frederick Ave., Suite 200, Gaithersburg, MD 20877-4150 or by phone at (301) 990-7979. After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR).

Most states require additional licensure/certification in order to practice. In Wisconsin, the graduate must then apply for initial certification with the Medical Examining Board of Wisconsin in the Bureau of Regulation and Licensing.

## GENERAL ACADEMIC INFORMATION

Students should apply if they:

- Have an undergraduate degree and have completed the 9 prerequisite credits for the Occupational Therapy Program.  
**OR**
- Are currently completing an undergraduate and have the prerequisite credits.

### Requirements for students currently enrolled at CUW

- CUW students must complete an undergraduate major before applying to the MOT Program. Many majors in the Concordia University system have developed course sequencing which allows the CUW student to complete the courses required for the major, the liberal arts core, and the prerequisites for the MOT professional program, in three years.
- Students will be assigned an advisor from their major field of study as well as a mentor from the Occupational Therapy department. When all the requirements are met, the student may apply for admission to the MOT program. The credits completed during the first year in the MOT Program are considered a minor area of study and are added to the undergraduate credits to complete the 126 credits required for graduation for a Bachelor's Degree from CUW.
- Three-plus-three students are considered undergraduates during the first year in the MOT program. Students may qualify to be granted a bachelor's degree at the end of the first year in the MOT program when all requirements are met. The student would complete the next two years of the MOT program and graduate a second time with the Master's of Occupational Therapy Degree.
- There is a guaranteed Freshman Admission policy for CUW students. Please contact the Graduate Admission Department if you would like to review it.
- Three-plus-three students are considered undergraduates during the first year in the MOT program. Students may qualify to be granted a bachelor's degree at the end of the first year in the MOT program when all requirements are met. The student would complete the next two years of the MOT program and graduate a second time with the Master's of Occupational Therapy Degree.
- CUW students in the Rehabilitative Science Major may enter the MOT program in their junior year.

### Requirements for students with a Bachelor's degree from CUW or another university

Students with a Bachelor's Degree can apply for direct entrance into the 2.5 yr. program of study for the Master's of Occupational Therapy Degree. Students with an earned undergraduate degree are granted graduate student status upon admission into the MOT program.

### Requirements for all students

- Current certification in infant, child, adult CPR
- Current certification in first aid
- Grade of 3.0 or better average in prerequisites; grade of C or better in all other coursework.
- Science courses must have been taken within 5 years of application
- Completion of 40 hours of job shadowing a registered Occupational Therapist
- A Wisconsin criminal background check which certifies no record of a felony nor any pending charges
- Proof of health insurance

### Application Procedure

- Complete a Master of Occupational Therapy program application form. If you have not completed the prerequisite/undergraduate courses, you must also complete a general Concordia University application form. **Deadline for admission is March 1.**
- Include a cover letter with your application form. In this cover letter, you may include any information that you would like the admission committee to know about yourself. Examples include: how you feel your undergraduate degree compliments the field of occupational therapy, why you choose occupational therapy, why you chose Concordia, any experience you may have had with a patient population, etc.). If you have not finished your prerequisite/undergraduate coursework, please indicate in this letter how you plan to do so within one year of admission.
- Request transcripts from all other colleges attended. Concordia University must receive transcripts from other colleges *before final acceptance* into the program can be made. Transcripts for courses in progress can be submitted upon completion of the course.
- Submit volunteer verification forms indicating at least 40 hours of volunteer experience working with an Occupational Therapist. These hours may be done at one facility or a variety of facilities. Volunteer Verification forms are included in the application packet and are available from the graduate admission office.
- Submit a nonrefundable application fee of \$35.00.
- Include two letters of recommendation with the application for admission. At least one letter should be from someone able to write about your academic abilities.

### PRE-PROFESSIONAL REQUIRED COURSEWORK

#### Required Science Core:

|   |           |
|---|-----------|
| BIO 270/271 Anatomy & Physiology I w/lab  | 4 credits |
| BIO 272/273 Anatomy & Physiology II w/lab | 4 credits |

#### OT Core:

|   |                 |
|---|-----------------|
| OT 104 Computer Applications for OT<br>(may demonstrate competency) | <u>1 credit</u> |
| TOTAL   | 9 credits       |

### RECOMMENDED COURSEWORK

for successful completion of MOT and these will meet core requirements for CUW undergraduate degree.

|  |                  |
|--|------------------|
| PHYS 121 Elementary Physics* <b>OR</b>             |                  |
| PHYS 151 General Physics I*                        | 4 credits        |
| CHEM 205 General & Biological Chemistry* <b>OR</b> |                  |
| CHEM 210 General Chemistry I*                      | 4 credits        |
| MATH 205 Statistics                                | 3 credits        |
| PSY 230 Life Span Development                      | <u>3 credits</u> |
| TOTAL  | 14 credits       |

All pre-professional and undergraduate requirements must be completed or in progress at the time of application to the professional portion of the MOT Program.

## Pre-Physical Therapy Program

### OVERVIEW

Concordia University Wisconsin offers a Pre-Physical Therapy program in conjunction with other undergraduate majors offered at Concordia. Concordia offers 60+ undergraduate majors and all are acceptable for students wishing to continue their education in the Doctor of Physical Therapy (DPT) program. No specific major is required or preferred, provided that all pre-physical therapy requirements are met prior to entering the graduate program. Students work with their Academic Advisor to complete the course required for the undergraduate degree as well as the prerequisite courses required for the DPT program.

An undergraduate degree, as well as the DPT prerequisite courses, can usually be completed in four years. The DPT program requires an additional three years of professional education beyond an undergraduate degree.

### GUARANTEED ADMISSION FOR CONCORDIA UNDERGRADUATE STUDENTS

Concordia offers guaranteed admission to the Doctor of Physical Therapy program to students who:

- are current, full time student at CUW who will graduate with a bachelor's degree from CUW,
- at the time of submitting the application, are not missing more than one prerequisite science course,
- have a cumulative GPA of at least 3.00,
- have a grade point average of at least 3.45 in prerequisite science courses,
- submit all application materials by the PTCAS Early Decision deadline, and
- successfully complete a personal interview.

All prerequisite science courses must be completed at CUW or through AP exam, and cannot have been previously completed at another institution. If a CUW prerequisite science course is repeated, the first, original grade will be considered when determining whether or not the student is eligible for guaranteed admission. CUW students who meet these requirements are not required to take the GRE.

### ENTRANCE REQUIREMENTS

Admission to the entry-level Doctor of Physical Therapy program is competitive. Concordia University Wisconsin will admit one class of 26 full-time students in the fall of each academic year.

Admission requirements include:

- Bachelor's degree in any field from a regionally accredited institution
- Minimum 3.0 cumulative GPA
- Minimum GPA of 3.0 in all required sciences
- Ability to perform essential functions of a physical therapist listed at [www.cuw.edu/dpt](http://www.cuw.edu/dpt)

Science Prerequisites (CUW course numbers listed in parenthesis)

- Chemistry- Two semesters of sequenced courses with labs (Chemistry 201 and 213)
- Physics- Two semesters of sequenced courses with labs (Physics 151 and 152)
- Human Anatomy and Physiology- Two semesters offered through a Biology, Anatomy or Physiology department (Biology 280 and 281)
- Physiology- One semester in addition to the A&P requirement above (Biology 470 or Exercise Physiology 371 or 470 or 471)

Other prerequisites

- Statistics- One semester
- Psychology- One semester
- Behavioral or Social Science- One semester in addition to the Psychology requirement above

Successful completion of an advanced placement examination will satisfy program prerequisites if the College Level Examination Program (CLEP) score is 4 or 5 in the subject area.

## APPLICATION PROCESS

The Physical Therapy Department at Concordia University participates in the Physical Therapist Centralized Application Service, known as PTCAS. Applicants for the Doctor of Physical Therapy program should apply online using the PTCAS application. To learn more about the PTCAS application process, please visit the PTCAS web site at [www.ptcas.org](http://www.ptcas.org).

Students may apply to the program before all admission requirements and prerequisites are completed, but must be completed prior to beginning the DPT program. Undergraduate students should apply to the DPT program during the summer before their senior year. Applications for the DPT program can be made through the Physical Therapy Centralized Application Service (PTCAS) at [www.ptcas.org](http://www.ptcas.org). The GRE is required for students not meeting the requirements for CUW Guaranteed Admission.

## DPT PROGRAM MISSION STATEMENT

The Concordia University Wisconsin program in physical therapy is committed to developing health care professionals who have a sound foundation in movement science and are prepared for safe, autonomous, and ethical practice as physical therapists within a changing health care environment. The program seeks to foster personal growth in mind, body, and spirit for Christian service to the community.

## DPT PROGRAM ACCREDITATION

The DPT Program is accredited by the Commission on Accreditation of Physical Therapy Education (CAPTE), 703.684.2782, [www.capteonline.org](http://www.capteonline.org).

## DPT PROGRAM GENERAL ACADEMIC INFORMATION

The Doctor of Physical Therapy program is designed to help students become thoughtful, skilled and caring therapists who are autonomous providers of physical therapy services. Our program emphasizes evidence-based practice and focuses on developing clinicians who will serve the community through excellence in clinical practice and understanding of the spiritual, economic, and psychological needs of the clients they serve. The program will help students develop skills to determine why an individual may have difficulty with movement, to determine whether those difficulties can be remediated by physical therapy, and to develop and implement a program which would address those concerns.

The Professional Physical Therapy Program at Concordia leads to a Doctor of Physical Therapy (DPT) degree. This entry level professional degree program is three full years in duration, beginning in the Fall. The program is full-time and encompasses six semesters, three winterims, and two summer sessions. The curriculum combines classroom, laboratory, and supervised clinic-based instruction. An optional internship after graduation is available.

## Pre-Physician Assistant Studies Program

### OVERVIEW

Concordia University Wisconsin offers a Pre-Physician Assistant Studies program in conjunction with other undergraduate majors offered at Concordia. Concordia offers 60+ undergraduate majors and all are acceptable for students wishing to continue their education in the Master of Physician Assistant (PA) Studies program. No specific major is required or preferred, provided that all pre-physician assistant requirements are met prior to entering the graduate program. Students work with their Academic Advisor to complete the course required for the undergraduate degree as well as the prerequisite courses required for the PA program.

Completing the requirements for the program does not guarantee admission.  
See process at <https://www.cuw.edu/Programs/physicianassistant/admission.html>

An undergraduate degree, as well as the PA prerequisite courses, can usually be completed in four years. The PA program requires an additional twenty six months of professional education beyond an undergraduate degree.

### ADMISSION FOR CONCORDIA UNDERGRADUATE STUDENTS

A current, full time student from CUW who will graduate with a bachelor's degree from CUW 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 grade point average of at least 3.40 in prerequisite science courses.

### ENTRANCE REQUIREMENTS

Admission to the Physician Assistant program is competitive. Concordia University Wisconsin will admit one class of 30 full-time students in May of each academic year. Students may apply for the PA program before earning a Bachelor's degree, but the degree and all prerequisite courses must be completed before matriculation into the PA program if accepted.

Candidates for admission to the Concordia University Wisconsin PA program must meet the following requirements:

- Baccalaureate degree earned prior to matriculation from a regionally accredited university or college
- Minimum 3.0 cumulative GPA
- Minimum 3.0 cumulative prerequisite science GPA
- All prerequisite courses must be successfully completed with a grade of "C" or higher from a regionally accredited college or university
- Labs must be taken on campus and not online
- If the transcripts are not in English, transcripts will need to be evaluated through companies such as: Educational Credentials Evaluations, the World Education Services, or Educational-Perspectives
- Documentation of 100 hours of health care experience
- Ability to perform Technical Standards for Physician Assistants

Science Prerequisites (See [www.cuw.edu/pa](http://www.cuw.edu/pa) for additional details)

- Chemistry- Two semesters of sequenced courses with labs
- Organic Chemistry- One semester with lab
- Microbiology- One semester with lab
- Human Anatomy with lab and Physiology- Separate courses of at least two semesters offered through a Biology, Anatomy or Physiology department or combined with anatomy and physiology sequenced courses with lab
- Biological Sciences- Two semesters with lab
- Genetics-recommended

Other prerequisites

- Psychology- One semester
- Statistics- One semester
- Precalculus or higher- One semester
- Medical Terminology- One semester

Questions about specific prerequisites courses should be directed to the Graduate Admission Office.

Students may apply to the program before all admission requirements are completed, but requirements must be completed prior to beginning the PA program if accepted. Undergraduate students should apply to the PA program during the summer before their senior year. Students applying for the class beginning May, 2013, pending provisional accreditation, applications must be submitted through the Graduate Admission Office. Students who wish to apply for the class beginning May 2014 can be made through the Centralized Application Service for Physician Assistants (CASPA) at <https://portal.caspaonline.org/>.

## MISSION STATEMENT

The Physician Assistant program at CUW prepares students to become competent physician assistants who provide quality health care in a respectful, culturally sensitive, caring and knowledgeable manner. CUW PA graduates are committed to caring for patients in mind, body and spirit with an emphasis on primary care and preventive medicine as well as continual lifelong learning.

## PROGRAM GOALS

The goals of this program are to:

- 1) educate physician assistant in primary care and preventive medicine,
- 2) provide opportunities to work with diverse, medically underserved populations to improve access to health care,
- 3) instill the value of lifelong learning,
- 4) provide an interprofessional education in order to work effectively as a health care team member.

## ACCREDITATION

Concordia University Wisconsin's Physician Assistant Program has applied for provisional accreditation from the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA). Concordia University Wisconsin's Physician Assistant Program anticipates matriculating its first class in May, 2013, pending provisional accreditation in March of 2013 ARC-PA meeting. Provisional accreditation is an accreditation status for a new PA program that has not yet enrolled students, but at the time of its comprehensive accreditation review, has demonstrated its preparedness to initiate a program in accordance with the accreditation Standards.

Information on accreditation is available at [www.arc-pa.org](http://www.arc-pa.org). The proposed Physician Assistant program would grant the Master of Physician Assistant Studies (MPAS) degree.

## PROGRAM GENERAL ACADEMIC INFORMATION

The Concordia University Wisconsin PA Program is a full time 26 consecutive month curriculum. The didactic phase is held at the Mequon campus. The clinical portion of the program will be in urban, rural, and medically underserved settings throughout Wisconsin as well as possible out of state locations with physician and PA preceptors.

The didactic phase of the program consists of basic sciences, clinical and behavioral medicine. Topic areas include human anatomy with cadaver lab, physical examination and history taking, pharmacology, physiology/pathophysiology, clinical skills, and topics and issues related to the profession. The didactic phase provides the foundation for the clinical year.



## 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.

### CLINICAL ASSIGNMENTS

Students should be aware that the program requires clinical coursework off-CUW 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 3.0. Admission to the Radiologic Technology Program is limited. GPA in science courses should be 3.0. 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.

### TUITION

Students in the Radiologic Technology Program will pay CUW tuition during the pre-clinical and clinical aspects of the program. Students in the clinical aspect of the program pay for 4 semesters and do not have to pay any overload tuition charges. A percentage of the tuition will be given to the clinical program. Thus, students who are receiving the Emeritus (full) Scholarship or are full time CUW employees (tuition-free) will need to pay tuition during the clinical aspect of the program.

### PROFESSIONAL CURRICULUM

#### RADIOLOGY ALLIANCE (AURORA-ST. LUKE'S, FROEDERT HOSPITAL, WHEATON FRANCISCAN-ST JOSEPH)

The curriculum for the Alliance is drawn up and taught according to the course of study approved by the Joint Review Committee on Education in Radiologic Technology (ASRT curriculum). Classes are usually one to two hours duration and are held at regularly scheduled times.

#### Semester I

Introduction to Radiology  
Radiation Protection  
Principles of Radiographic Exposure I  
Radiographic Procedures I  
Radiography Clinical Education I

#### Semester II

Medical Terminology (Self study course-internet)  
Principles of Radiographic Exposure II (Prerequisite Radiographic Exposure I)\*  
Radiographic Procedures II (Prerequisite Procedures I)\*  
Methods of Patient Care  
Radiography Clinical Education II

#### Semester III (Summer I)

Radiographic Procedures III  
Radiography Clinical Education III

#### Semester IV

Radiographic Procedures IV  
Cross Sectional Anatomy  
Radiographic Physics I  
Digital Imaging  
Radiography Clinical Education IV

#### Semester V

Radiologic Physics II  
Quality Assurance  
Independent Study-Senior Project  
Radiobiology  
Radiographic Pathology  
Radiography Clinical Education V

#### Semester VI

Professional Development  
Radiography Clinical Education VI

\*Faculty has discretion to allow intern to complete a course if prerequisite is not met.

## Bachelor of Science in Rehabilitative Science (BSRS)

### OVERVIEW

Concordia University Wisconsin offers a combined Bachelor of Science in Rehabilitative Science (BSRS) and Master of Occupational Therapy (MOT) program which can be completed in a total of 4 ½ years for both degrees. The BSRS degree alone can be completed in 3 ½ years.

### GENERAL ACADEMIC INFORMATION

The Bachelor of Science in Rehabilitative Science (BSRS) degree is intended to offer students an opportunity to receive a broad based education in rehabilitation science while meeting the pre-requisites for the Master's of Occupational Therapy (MOT) degree.

Students who graduate with a BS in Rehabilitative Science have an opportunity to explore a wide range of employment opportunities if they choose to not pursue the MOT degree. Students with a BSRS degree can use this degree to work in a variety of areas including community public health, community mental health, wellness programs, managed care organizations, child-care facilities, adult day-care facilities, pharmaceutical sales, medical sales, assistive living/independent living centers, specialty Alzheimer's disease care centers, fitness programs, nursing homes, and hospitals.

Students in the BSRS program are required to take summer courses offered in an online format and can complete their undergraduate degree in 3 ½ years. Students can focus their education on an area of interest (pediatrics, gerontology, or ministry) as they are able to take at least 17 elective credits.

BSRS students who choose to pursue a career in Occupational Therapy can apply to the Master of Occupational Therapy program. Accepted students begin in graduate level courses during their junior year and can complete the BSRS degree in 3 ½ years, and the MOT degree with one additional year. Please refer to graduate catalog for detailed information about the MOT program.

### GUARANTEED MOT ADMISSION POLICY FOR CONCORDIA BSRS UNDERGRADUATE STUDENTS

Students who begin their undergraduate career in Concordia's Bachelor of Science in Rehabilitation Science program may apply to the MOT program during the spring of their sophomore year. A student accepted into the MOT track will begin taking graduate course toward a degree in Occupational Therapy during their junior year. The first thirty BSRS students with a high school GPA of 3.0 or above to pay freshman tuition deposits, are GUARANTEED a spot in the MOT program if they achieve a 3.0 cumulative GPA, as well as grades of 3.0 in both BIO 280 and BIO 281 and at least a 2.0 in BIO 301. The combined BSRS/MOT program allows a student who wishes to become an Occupational Therapist to complete both degrees within a 4 ½ year period.

Students transferring into Concordia's BSRS program with an undergraduate degree will not be guaranteed placement into the MOT program. Transfer students must complete at least 36 BSRS credits at Concordia to be given priority in the MOT admission process. These credits must include the following courses taken at Concordia:

- BIO 280 Anatomy and Physiology I
- BIO 281 Anatomy and Physiology II
- BIO 301 Advanced Functional Anatomy and Physiology

Students transferring into Concordia's BSRS program must maintain a 3.0 cumulative GPA, grades of 3.0 in both BIO 280 and BIO 281 and at least a 2.0 in BIO 301 courses to be eligible for the MOT program. Transfer students will be given priority in admission over non-CUW students into the MOT program, based on availability of positions and prerequisite GPA.

Priority admission to the MOT phase will be granted in the following order:

1. The first 30 deposited students who began at CUW in BSRS (with a high school GPA of 3.0 or above) are guaranteed if they meet the prerequisites
2. Other students that began at CUW in BSRS but did not get the guarantee given to the first 30, with a 3.0 cumulative GPA, B's in A&P and C in BIO 301
3. CUW students that are not in the BSRS program and transfer students who earn 36 credits at CUW with a 3.0 cumulative GPA, B's in A&P and C in BIO 301 taken at CUW
4. Students from outside CUW

If multiple students fall within the same priority level, the MOT Selection Committee will make acceptance decisions.

**BSRS CURRICULUM**

**COMMON CORE (15 credits)**

|                    |          |                                       |   |
|--------------------|----------|---------------------------------------|---|
| Bible Content      | REL 100  | The Bible                             | 3 |
| Christian Doctrine | REL 110  | Christian Faith                       | 3 |
| History            | HIST 103 | Civilizations & Worldviews: History   | 3 |
| Literature         | ENG 103  | Civilization & Worldviews: Literature | 3 |
| Writing            | ENG 104  | Introduction to Writing               | 3 |

**NARRATIVE CORE (12 credits)**

|                           |          |   |   |
|---------------------------|----------|---|---|
| Citizenship               | POLS 285 | American Politics & Health Care Policy* | 3 |
| Communication             | COMM 201 | Interpersonal Communication*            | 3 |
| Culture                   | COMM 460 | Cross Cultural Communication*           | 3 |
| Philosophical Foundations | LA 105   | Higher Education-A New Experience       | 3 |

**ELECTIVE CORE (21 credits)**

|                      |           |                                     |   |
|----------------------|-----------|-------------------------------------|---|
| Creative Arts        |           | Elective                            | 3 |
| Language             | SIGN 101  | Sign Language I*                    | 3 |
| Mathematics          | MATH 205  | Statistics I*                       | 3 |
| Physical Development | HHP 100   | Introduction to Lifetime Wellness   | 1 |
| Physical Development | HHP       | Activity Course Elective            | 1 |
| Science with a lab   | BIO 280   | Anatomy and Physiology I (required) | 4 |
| Social Science       | PSYCH 101 | Introduction to Psychology*         | 3 |
| Theology             |           | Elective                            | 3 |

\*Recommended for best fit within the Rehabilitation Science degree

**BSRS MAJOR COURSES**

|         |  |   |
|---------|--|---|
| BIO 281 | Anatomy and Physiology II                        | 4 |
| OT 104  | Computer Applications for OT                     | 1 |
| OT 106  | Medical Terminology                              | 1 |
| BIO 301 | Advanced Functional Anatomy and Physiology       | 4 |
| RSC 304 | Teaching and Learning in Rehabilitation (online) | 3 |
| PSY 230 | Life Span Development                            | 3 |
| RSC 310 | Culture and Rehabilitation                       | 3 |
| SOC 392 | Sociology of Aging                               | 3 |
| HHP 375 | Biomechanics                                     | 3 |
| RSC 201 | Medical Ethics in Rehabilitative Science         | 3 |

Additional courses to complete the BSRS degree if not in MOT

**MOT CURRICULUM**

**YEAR 1**

**SEMESTER 1 (18 required credits)**

|         |                             |           |
|---------|-----------------------------|-----------|
| BIO 550 | Human Anatomy W/Lab         | 6         |
| OT 523  | Clinical Kinesiology        | 3         |
| OT 525  | Therapeutic Skills          | 2         |
| OT 546  | Group Skills                | 3         |
| OT 548  | Clinical Practicum-group    | 1         |
| OT 521  | Foundational Concepts in OT | 3         |
|         | <b>TOTAL</b>                | <b>18</b> |

**WINTERIM (3 required credits)**

|        |                  |   |
|--------|------------------|---|
| OT 559 | Wellness(online) | 3 |
|--------|------------------|---|

**SEMESTER 2 (16 required credits)**

|         |                                |           |
|---------|--------------------------------|-----------|
| BIO 560 | Neuroscience                   | 3         |
| OT 563  | Pediatric Practice I           | 3         |
| OT 573  | Clinical Practicum- Peds       | 1         |
| OT 586  | Rehabilitation Science – Ortho | 3         |
| OT 540  | Scientific Inquiry I           | 3         |
| OT 529  | Assessment Skills              | 3         |
|         | <b>TOTAL</b>                   | <b>16</b> |

**SUMMER (3 required credits)**

|        |                              |   |
|--------|------------------------------|---|
| OT 603 | Practice Management (online) | 3 |
|--------|------------------------------|---|

**YEAR 2**

**SEMESTER 3 (17 required credits; may choose 1 elective)**

|        |                                       |                           |
|--------|---------------------------------------|---------------------------|
| OT 561 | Rehabilitation Science – Neurorehab I | 3                         |
| OT 584 | Clinical Practicum –Adult Rehab       | 2                         |
| OT 569 | Scientific Inquiry II                 | 3                         |
| OT 565 | Psychosocial Practice I               | 3                         |
| OT 571 | Work Practice I                       | 3                         |
| OT 610 | Pediatric Community Clinic            | 1                         |
| OT 630 | Hand and Upper Extremity Rehab        | 3<br>ELECTIVE             |
|        | <b>TOTAL</b>                          | <b>15-18<br/>required</b> |

**WINTERIM (3 required credits; may choose 1 elective)**

|        |  |               |
|--------|--|---------------|
| OT 544 | Clinical Conditions (online)                                       | 3             |
| OT 615 | Early Intervention/ School Based Practice (2 weeks-on campus only) | 3<br>ELECTIVE |

**SEMESTER 4 (18 required credits; may choose elective/s with advisor approval)**

|        |                                       |  |
|--------|---------------------------------------|--|
| OT 601 | Advanced Clinical Practice            | 3  |
| OT 588 | Assistive Technology Options          | 3  |
| OT 590 | Rehabilitation Science - integrated   | 3  |
| OT 582 | Scientific Inquiry III                | 3  |
| OT 605 | Community Practice                    | 3  |
| OT 595 | Community OT Clinic                   | 3  |
| OT 562 | Rehabilitation Science- Neurorehab II | 3<br>ELECTIVE                              |
| OT 613 | Work Practice II                      | 3<br>ELECTIVE                              |
| OT 575 | Fieldwork Seminar                     | NC pass/<br>fail                           |
|        | <b>TOTAL</b>                          | <b>18-21 with<br/>advisor<br/>approval</b> |

**SUMMER (6 required credits Level II FW)**

|        |                                  |   |
|--------|----------------------------------|---|
| OT 620 | First Level II Fieldwork Service | 6 |
|        | 3 months or 470 Hours            |   |

**SEMESTER 5 (6 required credits Level II FW; variable elective credits)**

|        |                                   |                      |
|--------|-----------------------------------|----------------------|
| OT 622 | Second Level II Fieldwork Service | 6                    |
|        | 3 Months or 470 Hours             |                      |
| OT 624 | Third Level II Fieldwork Service  | ELECTIVE<br>variable |
|        | Amt of time is negotiable         |                      |
|        | <b>TOTAL</b>                      | <b>6</b>             |

Minimum Credits for MOT Program: 88

Each student must take a minimum of 3 credits of electives

The program retains the right to make curricular changes as needed in order to provide the optimal education program.

## Social Work

Social work is a profession, as well as a vocation. Social work can challenge you and help you gain the skills and knowledge to make a difference for others. Its goal is to improve the overall functioning and well-being of all people. Yet, social workers have a special concern for the poor, the marginalized, and the vulnerable. Social work is both an art and science. It builds on the knowledge base and skills of social work, the social sciences, as well as the liberal arts. Social work majors have an opportunity to gain “hands-on” experience through internships (field placements) in a wide variety of settings, such as criminal justice systems, child and family services, mental health settings, or hospitals. Likewise, social work is a profession of possibilities, both in terms of career paths and in the ways that clients can be helped.

### MISSION

The mission of the CUW Social Work Program is to prepare graduates for baccalaureate level, generalist social work practice, within the context of faith, service, and social justice.

Generalist social work practice means that social work majors learn how to help others in many broad-based ways. They may assist individuals, families, groups, communities, and organizations in a variety of social work or related settings. Generalist social work practice includes helping people from a strengths perspective, which means recognizing, supporting, and building on the innate capabilities of all human beings.

The mission of the Social Work Program includes the importance of a faith perspective that provides the support, energy, and commitment to make a difference in the lives of others. The mission inspires majors to use the force of their individual personal selves and professional skills in service to others and encourages majors to work for social and economic justice for those who may be forgotten or marginalized in our larger society. Social work embraces six core values. They include the values of service, social justice, the dignity and worth of each person, the importance of human relationships, integrity, and competence. The values of human rights and the importance of scientific inquiry support these core values.

The social work curriculum promotes the social work mission through providing the theoretical concepts, a broad knowledge base, and the applied skills necessary to improve and enhance the overall well-being of others. The mission is carried out through the professional social work foundation courses which include content on social work values and ethics; human diversity; social and economic justice; populations-at-risk; human behavior in the social environment; social welfare policy and services; social work practice skills; research; and field (internship) practicum.

### SOCIAL WORK PROGRAM GOALS

The goals of the CUW Social Work Program are to:

- Prepare students for professional generalist practice.
- Develop students who have a strong skill and knowledge base in their practice with diverse groups.
- Support students in their understanding and ability to apply social work values and ethics to their professional social work practice.
- Prepare students who can apply research and/or evidence-based practice to their various practice contexts and for self and practice evaluation.
- Encourage students to draw on the foundation of faith, service, and social justice to provide leadership in the provision of service to and solidarity for marginalized or oppressed groups.

### SOCIAL WORK PROGRAM CORE COMPETENCIES

- Identify as a professional social worker and conduct yourself accordingly.
- Apply social work ethical principles to guide professional practice.
- Apply critical thinking to inform and communicate professional judgments.
- Engage diversity and difference in practice.
- Advance human rights and social and economic justice.
- Engage in research-informed practice and practice-informed research.
- Apply knowledge of human behavior and the social environment.
- Engage in policy practice to advance social and economic well-being and to deliver effective social work services.
- Respond to contexts that shape practice.
- Engage, assess, intervene, and evaluate with individuals, families, groups, organizations, and communities.

## ADMISSION PROCEDURES

Students may declare a social work major as an arriving freshman or anytime while a student in good standing at Concordia University Wisconsin. Students who declare a social work major during their freshmen or sophomore year have the advantage of being assigned a social work faculty member as their academic advisor. Social work faculty members are available to discuss the social work major and application process with all interested students.

Students cannot enroll into Upper Division social work courses (SW 300 or SW 400 level) or begin a field placement until they have completed the application process for Upper Division Social Work Status. Students must be officially accepted for Upper Division Status by the Director of the Social Work Program. Students need to apply for Upper Division Status during the spring semester of their sophomore year and begin their Upper Division SW Foundation Courses in the fall of their junior year.

Prior to official acceptance into Upper Division Status, students are expected to take the two Introductory social work courses, SW 100 (Introduction to Social Work) and SW 205 (Introduction to Social Welfare) during their freshmen or sophomore year. This planning is necessary because Upper Division Social Work Foundation courses are offered in a sequence which begins in the fall semester of the student's junior year. In rare circumstances, exceptions may be made, but additional planning and consultation are needed.

The process for admission to Upper Division Status for the Social Work Major is to:

- Complete SW 100 (Introduction to Social Work) and SW 205 (Introduction to Social Welfare).
- Have a minimum cumulative grade point average of 2.3 overall and a 2.75 GPA in social work courses.
- Complete an application for acceptance into Upper Division Status in the social work major.
  - A completed application includes:
    - Completion of Application for Admission Form
    - Completion of an Upper Division Narrative (self-study)
    - Interview with the Director of the Social Work Program or other social work faculty

## TRANSFER STUDENTS

Transfer Students may also be accepted into Upper Division Status, if they have completed the above requirements. These students will need to review their transfer core curriculum credits with the admissions counselor and Registrar's Office. Any transfer credits related to the social work major and social science minor must be reviewed by the Director of the Social Work Program.

## LAY MINISTRY CERTIFICATION

A social work major, who is a member of the Lutheran Church Missouri Synod, may also earn a Lay Ministry Certificate in addition to a Bachelor Degree in Social Work (BSW). Students can obtain an application for this minor from the Lay Ministry Office. Social work majors who decide to additionally pursue the Lay Ministry minor can apply the courses required for the Lay Ministry minor to the 15 elective credits needed for the social work major and will only need an additional 6 credits to complete the Lay Ministry Minor. The Lay Ministry Internship can be obtained through the Social Work Field Placement, which is required during the student's senior year. Upon graduation in addition to their Social Work Degree (BSW), students receive a Lay Ministry Certification and are eligible to work within the Lutheran Church Missouri Synod.

## PROGRESSION POLICY

Students must apply to the Social Work Program for Upper Division Status during the second semester of their sophomore year. To enter the program and maintain a good standing, a student must have a cumulative GPA of at least 2.30 and a minimum GPA of 2.75 in social work classes. They must also complete an application and self-study.

## ACCREDITATION

Social Work Programs at the baccalaureate and master's levels are accredited by the Council on Social Work Education (CSWE). The Social Work Program at Concordia University is fully accredited by CSWE.

CSWE Accreditation establishes uniform educational standards for social work students to insure students acquire the highest standards of professional training and practice. Additionally, an accredited program qualifies graduates for advanced standing in graduate programs that grant the Master of Social Work Degree (MSW). This status typically makes it possible for BSW graduates to earn an MSW in three semesters. Students who receive their BSW can also join The National Association of Social Workers (NASW), the largest professional association of social workers. Finally, students who graduate from accredited social work programs are eligible to apply and take the examination for state licensing or certification for professional social work practice. Social workers, who successfully complete the baccalaureate degree requirements at Concordia University Wisconsin, graduate from a program accredited by the Council of Social Work Education and receive a Bachelor of Social Work degree (BSW).

## FIELD EDUCATION (INTERNSHIPS)

### DESCRIPTION

The curriculum design for field education is incorporated in two semesters and involves the accumulation of 432 hours of fieldwork. Field experience offers students the opportunity to test and demonstrate their abilities and knowledge in a supervised educational setting. Social work majors, with upper division status, are required to enroll in SW 327 Field Education I and SW 427 Field Education II. In conjunction with Field Education, students are required to enroll in SW 328 Field Seminar I and SW 428 Field Seminar II. Participation in the seminar is to be concurrent with field education. The seminar format will provide for the integration of field experience with classroom learning through discussion and assignments.

### APPLICATION PROCESS FOR FIELD EDUCATION

Students are placed in a variety of agencies, commensurate with their expressed desires and educational needs. The placement process begins with the completion of an application. Students are required to apply for field in the second semester of their junior year.

## SOCIAL WORK PROGRAM CURRICULUM

*The Social Science Minor is recommended for Social Work Majors. See School of Arts and Sciences*

### Required Core Courses

Students in this program must take BIO 146, Anatomy and Physiology, for non-biology majors. (Other lab sciences covering human biology may be accepted.)

### Curriculum: Total 45 Credits

#### The Social Work Major

SW 100 Introduction to Social Work — 3 crs.  
 SW 205 Introduction to Social Welfare — 3 crs.  
 SW 306 Social Welfare Policy and Programs — 3 crs.  
 SW 310 Research Methods I — 3 crs.  
 SW 346 Human Behavior and the Social Environment I — 3 crs.  
 SW 347 Human Behavior and the Social Environment II — 3 crs.  
 SW 410 Research Methods II — 3 crs.  
 SW 490 Senior Seminar/Project — 3 crs.

SW 327 Field Education I — 5 crs.  
 SW 427 Field Education II — 5 crs.  
 SW 328 Field Seminar I — 1 cr.  
 SW 428 Field Seminar II — 1 cr.  
 SW 326 Skills and Methods of Social Work Practice I — 3 crs.  
 SW 426 Skills and Methods of Social Work Practice II — 3 crs.  
 SW 436 Skills and Methods of Social Work Practice III — 3 crs.

#### The Social Work Minor for Social Work Majors (27 Credits, some credits apply to Core)

PSY 101 General Psychology — 3 crs.  
 SOC 101 Introduction to Sociology — 3 crs.  
 ECON 222 Macroeconomics OR  
 ECON 200 Principles of Economics — 3 crs.  
 POLS Political Science — 3 crs.  
 (Choose one of the following POLS 101, 201, or 285)  
 COMM 105 Public Speaking — 3 crs.

PSY 201 Interpersonal Communications— 3 crs.  
 (Also listed as COMM 201)  
 PSY 230 Life Span Development — 3 crs.  
 SW 375 Understanding Death & Dying — 3 crs.  
 PSY/SOC Choose a PSY/SOC class of student choice — 3 crs.

**Elective: Social Work Majors select 15 elective credits directed towards student's interests.**

**SOCIAL WORK/PSYCHOLOGY DOUBLE MAJOR**

- If prerequisites are met, students may take PSY 245, 310, and/or 315 during their sophomore year
- PSY 245 would replace SW 410
- SW 327 & 328 would replace PSY 450
- Two PSY 300/400 level electives are needed

**Semester I****Year 1**

PSY 101 General Psychology — 3 crs.

**Year 2**

PSY 205 Theories of Learning — 3 crs.

PSY 201 Interpersonal Communication — 3 crs.

**Year 1 or 2**

SW 100 Intro to Social Work — 3 crs.

**Year 3**

SW 310 Social Work Research Methods I — 3 crs.

SW 326 Skills & Methods of SW Practice I — 3 crs.

SW 346 Human Behavior/Social Environment I — 3 crs.

PSY 310 Theories of Personality — 3 crs.

PSY 315 Social Psychology — 3 crs.

**Year 4**

SW 327 Field Education I — 5 crs.

SW 328 Field Seminar I — 1 cr.

SW 436 Skills & Methods of SW Practice III — 3 crs.

PSY 425 Abnormal Psychology — 3 crs.

**Semester II****Year 1**

Developmental Course (PSY 221, 223, 230) — 3 crs.

**Year 2**

MATH 205 Statistics — 3 crs.

**Year 1 or 2**

SW 205 Intro to Social Welfare — 3 crs.

**Year 3**

SW 306 Social Welfare Policy & Programs — 3 crs.

SW 347 Human Behavior/Social Environment II — 3 crs.

SW 426 Skills & Methods of SW Practice II — 3 crs.

PSY 245 Research Methods — 3 crs.

**Year 4**

SW 427 Field Education II — 5 crs.

SW 428 Field Seminar II — 1 cr.

SW 490 Senior Integrative Seminar — 3 crs.

PSY 490 Senior Project/Seminar — 3 crs.

Students enrolled in the Social Work/Psychology Double Major will take SW 327 in place of PSY 450

**Social Work Major – 45 credits**

**Psychology Major – 36 credits**

**LAY MINISTRY MINOR 24 crs.****Required Core:**

REL 201 Old Testament

REL 204 Biblical Theology

REL XXX Elective

**Required Courses – 12 crs.**

REL 203 New Testament — 3 crs.

REL 312 Office of The Professional

Church Worker — 3 crs.

REL 404 Theology of the

Lutheran Confessions — 3 crs.

SW 327 Field Education (3 hours of which double

as a requirement for Lay Ministry Minor — 3 crs.

**Electives - 12 crs.**

REL 229 Religious Education of Youth and Adults **OR**

REL 227 Youth Ministry — 3 crs.

REL 298 Faith and Culture **OR**

REL 310 Religion in America **OR**

REL 410 World Religions — 3 crs.

REL 311 Church in Mission **OR**

REL XXX (any mission or evangelism) — 3 crs.

REL XXX (any upper level Bible course) — 3 crs.

**AFFIRMATIVE ACTION/NONDISCRIMINATION**

The Social Work Program at Concordia University Wisconsin does not discriminate on the basis of race, color, gender, age, ethnic or national origin, or physical disability in the areas of student admission to the program, as well as hiring or promotion for faculty.



The School of Nursing houses the following undergraduate (UG) and graduate (G) professional programs: Bachelor of Science (UG), Bachelor of Science Completion for RNs (UG), RN-BSN-MSN (G), Master of Science (NP and NE Track) (G), Doctorate of Nursing Practice (G), and Parish Nursing (Certificate).

## Nursing Program – Bachelor of Science

The purpose of the Traditional Undergraduate Nursing program is to equip graduates with the professional leadership skills, expertise, caring and knowledge needed to function in a variety of health care and community settings and to work collaboratively with other disciplines in assisting individuals, families, groups and communities to achieve their full health potential. The baccalaureate program provides a broad foundation in liberal arts and nursing education. A wide variety of clinical agencies and community sites are incorporated into the learning experience. Additionally, our program integrates the use of a High Fidelity Simulation Learning Environment with several Human Patient Simulators.

The nursing programs were accredited by the Commission on Collegiate Nursing Education in 2004 for 10 years. Concordia University Wisconsin (CUW) has offered a baccalaureate degree in nursing since 1982.

In May of 1991, Concordia graduated the first group of students in the Bachelor of Science in Nursing track for R.N.s. In the Spring of 1998 the first Master of Science in Nursing Class graduated. The BSN-RN and Master in Nursing programs have Distance Learning and on-campus options. The first Doctorate of Nursing Practice (DNP) cohort graduated in December 2010.

### TRADITIONAL UNDERGRADUATE NURSING PROGRAM ADMISSION REQUIREMENTS FOR ENTRY INTO SOPHOMORE YEAR

1. Upon entering the nursing program the sophomore students must have achieved a minimum of C (2.0) or higher in A&P I&II, Chemistry, Microbiology and NURS 100 and a minimum cumulative GPA of 2.75 or higher.
2. A transfer student will be required to have a minimum cumulative GPA of 3.0 and a minimum of C (2.0) or higher in A&P I&II, Chemistry, Microbiology.
3. A&P I&II, Chemistry, Microbiology, and Nursing 100 must be completed before entry into the sophomore year of the program.
4. CPR (Healthcare Provider and AED) and C.N.A. certified upon entry into sophomore clinical.
5. All applications must be submitted to the admissions office by July 15th for the fall semester or December 15th for the spring semester.
6. Applications will be reviewed and prioritized by the School of Nursing based on cumulative GPA.
7. The number of students accepted will be dependent upon available clinical spots.

Transfer students are required to contact the Admissions transfer counselor for Concordia's application process and timeline.

The curriculum in nursing prepares individuals for a beginning practice of professional nursing. The nursing curriculum is built around the core curriculum and supplemental courses which facilitate the development of a professional nurse. The nursing major requires successful completion of both theory courses and related clinical experiences.

Upon graduation, students are eligible to take the NCLEX-RN exam as part of the process to be licensed as a registered nurse (RN).

### Progression Policy

Freshman students who earn a minimum cumulative GPA of 2.75 or higher and earn a minimum of C (2.0) or higher in science pre-requisites (A&P I&II, Chemistry and Microbiology) and NURS 100 will be eligible to progress to the sophomore year.

Sophomore, junior and senior students must maintain a minimum cumulative and nursing GPA of 2.75 or higher and a minimum of C (2.0) or higher in all nursing courses (courses with a NURS prefix). Further information is available in the Bachelor of Science Traditional Undergraduate Nursing Handbook.

**CORE CURRICULUM 48 crs.**

Certain courses are prescribed for nursing students in meeting core curriculum requirements: Introduction to Writing, Interpersonal Communication, Chemistry, Statistics, General Psychology and Christian Ethics.

**MAJOR 68 crs.**

NURS 100 Introduction to Professional Nursing/2 crs.  
 NURS 101 Professional Core Foundations/4 crs.  
 NURS 202 Gerontological Nursing/3 crs.  
 NURS 212 Gerontological Nursing Practicum/2 crs.  
 NURS 213 Foundational Nursing Skills I/1 cr.  
 NURS 222 Nursing Pathophysiology/3 crs.  
 NURS 232 Wellness Assessment/3 crs.  
 NURS 250 Nursing Pharmacology I/2 crs.  
 NURS 255 Nursing Pharmacology II/2 crs.  
 NURS 310 Medical-Surgical Nursing I/3 crs.  
 NURS 311 Medical-Surgical Nursing II/2 crs.  
 NURS 313 Foundational Nursing Skills II/1 cr.  
 NURS 320 Family Centered Nursing: Pediatrics/3 crs.  
 NURS 321 Family Centered Nursing: Pediatrics Practicum/1 cr.  
 NURS 325 Family Centered Nursing: Obstetrics & Women's Health/3 crs.

NURS 326 Family Centered Nursing: Obstetrics & Women's Health Practicum/1 cr.  
 NURS 335 Nursing Research/3 crs.  
 NURS 340 Community Wellness/3 crs.  
 NURS 341 Community Wellness Practicum/1 cr.  
 NURS 345 Medical-Surgical Nursing II/3 crs.  
 NURS 346 Medical-Surgical Nursing II Practicum/2 crs.  
 NURS 363 Therapeutic Nutrition/2 crs.  
 NURS 400 Medical-Surgical Nursing III/3 crs.  
 NURS 401 Medical-Surgical Nursing III Practicum/2.5 crs.  
 NURS 402 Psychological Wellness/3 crs.  
 NURS 410 Medical-Surgical Nursing IV/3 crs.  
 NURS 412 Psychological Wellness Practicum/1 cr.  
 NURS 440 Leadership & Management: In an Evolving Healthcare System/3 crs.  
 NURS 441 Leadership & Management Practicum: In an Evolving Healthcare System/2.5 crs.  
 NURS 451 Global Education (Costa Rica)/3 crs.  
 NURS 452 Global Education (Varies)/3 crs.

**SUPPLEMENTAL COURSES 15 crs.**

Human Anatomy and Physiology I & II with Lab — 8 crs.  
 Microbiology with Lab — 4 crs.

Life Span Development — 3 crs.  
 C.P.R. Certification required

**ELECTIVES**

NURS 390 Introduction to Basic EKG - optional

**BACHELOR OF SCIENCE—NURSING COMPLETION PROGRAM FOR REGISTERED NURSES**

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

**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 — 6-9 crs. (Must be taken for residency)  
 REL 376: Christian Ethics required  
 Humanities  
 NURS 331: Nursing in Historical Context  
 and LA 105: Liberal Arts for Healthcare Professionals  
 Cross Cultural  
 NURS 360 Cultural Diversity in Nursing  
 or SOC 343: Women's Health or Global Education  
 Social Science  
 PSY 101: General Psychology  
 Sociology or Macroeconomics or Political Science

Natural Science  
 \*Chem 205: Elem. of General/Biological Chemistry  
 Communications  
 Intro to Writing or Advanced Writing  
 Mathematics  
 MATH 130: Statistics  
 CLEP  
 \*Credit for this course can be earned by passing the  
 NLN Basic Science Achievement Test or CLEP Exam

**COLLATERAL REQUIREMENT**

Social Science: \*Psy 230 Life Span Development

Science: \*BIO 249, 270/271, 272/273

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

Life Span Development

Microbiology\*

Anatomy/Physiology

\*Credit for this course may also be earned by passing the NLN Basic Science Achievement Test

**NURSING MAJOR 70 crs.**

Many nursing courses may be accepted as transfer credits from accredited associate or diploma nursing programs.

All R.N. Completion students must take the following courses: NURS 301, 335, 342, 442, 492.

NURS 100 Introduction to Professional Nursing

NURS 101 Professional Core Foundations

NURS 202 Gerontological Nursing

NURS 212 Gerontological Nursing Practicum

NURS 213 Foundational Nursing Skills I

NURS 222 Nursing Pathophysiology

NURS 232 Wellness Assessment

NURS 250 Nursing Pharmacology I

NURS 255 Nursing Pharmacology II

NURS 310 Medical-Surgical Nursing I

NURS 311 Medical-Surgical Nursing II

NURS 313 Foundational Nursing Skills II

NURS 320 Family Centered Nursing: Pediatrics

NURS 321 Family Centered Nursing:

Pediatrics Practicum

NURS 325 Family Centered Nursing:

Obstetrics & Women's Health

NURS 326 Family Centered Nursing:

Obstetrics & Women's Health Practicum

NURS 335 Nursing Research

NURS 340 Community Wellness

NURS 341 Community Wellness Practicum

NURS 345 Medical-Surgical Nursing II

NURS 346 Medical-Surgical Nursing II Practicum

NURS 363 Therapeutic Nutrition

NURS 400 Medical-Surgical Nursing III

NURS 401 Medical-Surgical Nursing III Practicum

NURS 402 Psychological Wellness

NURS 410 Medical-Surgical Nursing IV

NURS 412 Psychological Wellness Practicum

NURS 440 Leadership & Management:

In an Evolving Healthcare System

NURS 441 Leadership & Management Practicum:

In an Evolving Healthcare System

NURS 451 Global Education (Costa Rica)

NURS 452 Global Education (Belize)

**ELECTIVES 10 crs.**

# School of Adult and Continuing Education

Concordia University Adult Education Studies is charged with carrying the mission of the University to the non-traditional adult student. Like the traditional degree programs, the programs in Adult Education are founded in the Christian Liberal Arts tradition of the University.

Our program is very much tailored to the needs and unique capabilities of the adult learner. For instance, classes are offered at locations near students' home or work. Classes are offered in an accelerated evening format. In addition, students can earn credit in a variety of modalities including the traditional classroom setting, telecourses, and college level learning experiences obtained outside the classroom.

Adult Education delivers courses at eleven off-campus centers located in Missouri and Louisiana, as well as Wisconsin. The average age of students attending the program is 34, typically 25 years old at a minimum, and students are required to have several years of work experience. A separate catalog is produced for adult education studies, and you are referred to it for further details.

# 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 Accounting 102)** is a continuation of ACCT 101 (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 223 MANAGERIAL ACCOUNTING** covers procedures for planning & controlling organizations, including measuring managerial performance and developing budgets, and the use of accounting information for decision-making by management. Prerequisite: ACCT 202 (or by permission of the instructor); sophomore standing. 3 credits.

**ACCT 323 COST ACCOUNTING** emphasizes cost management with a strategic focus. Topics include job and process costing; activity-based costing; balanced scorecard; budgeting; cost estimation; variance analysis; strategic performance measurement; quality control and pricing. Prerequisite: ACCT 223 3 credits.

**ACCT 310 INTERMEDIATE ACCOUNTING I** builds on the accounting foundation established in Accounting Principles. 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: ACCT 201 and 202. (or by permission of the instructor); sophomore standing. 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: ACCT 310 (or by permission of the instructor); sophomore standing. 3 credits.

**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: 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: 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: 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: C or higher 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: 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: ACCT 310 or permission of instructor. 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.

**ACCT 498 SPECIAL TOPICS IN ACCOUNTING** provides a senior discussion, lecture, and/or research forum (including individual research) for special accounting subjects not addressed by the regular curriculum. Prerequisites: ACCT 311. 3 credits.

## ART EDUCATION

**AE 102 FOUNDATIONS OF ART EDUCATION** introduces the historic and philosophic bases of education and art education and examines relationships between those bases and current practice. Students explore the methodologies of visual learning including the use of contemporary technologies and complete Portfolio I requirements. 3 credits.

**AE 235 ELEMENTARY ART EDUCATION: THEORY AND PRACTICE** introduces the rationale and methodologies for teaching art at the elementary level within the context of child development. Topics include the role of the arts in elementary education, child development and visual learning, the design and application of developmentally appropriate curricula, and effective classroom strategies. Taught concurrently with AE 237. Prerequisite: ART 141. 2 credits.

**AE 237 STRATEGIES FOR MAINSTREAMING IN ART EDUCATION** introduces art education majors to the various types of learners in the art education classroom. Students will receive instruction in classroom management and teaching strategies for students with special needs. Taught concurrently with AE 235. Prerequisite: AE 235. 1 credit.

**AE 335 SECONDARY ART EDUCATION: THEORY AND PRACTICE** introduces the rationale and methodologies for teaching art at the secondary level based upon an understanding of preadolescent and adolescent development. Topics include the role of arts activities in secondary education, preadolescent and adolescent development, the design and implementation of developmentally appropriate curricula, evaluation processes, and effective classroom strategies. Prerequisites: AE 235 and acceptance into the Art Education Program. 3 credits.

**AE 340 CURRICULUM DESIGN FOR ART EDUCATION** introduces students to the structure and design of curricula for effective art education. Students examine a variety of existing curriculum guides for coherence, sensitivity to the developmental growth of children, interdisciplinary strategies and clear delineation of classroom practice. Students will develop and implement unit and lesson plans. Prerequisites: AE 235 or consent of the instructor. 3 credits.

**AE 342 ART EDUCATION: STUDIO PRACTICES** provides senior Art Education majors with the opportunity to explore a range of instructional strategies and to test those strategies with children in a supervised classroom setting. Students discuss art education methodologies, materials, and techniques and implement those methodologies and practices with a group of children from the local community. Prerequisites: AE 235, AE 237 and AE 335. 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 DESIGN FUNDAMENTALS** applies human perceptions of design in nature to the organization of 2-dimensional pictorial space. Students learn the language of 2D design and develop critical skills in image manipulation and visual communication through a series of exercises in black and white. Includes experience with digital media. Fulfills creative arts requirements in the Elective Core. Studio Fee. 3 credits.

**ART 111 2D COMPOSITION** is geared to the specific needs of graphic design, illustration, photography, art and communication majors. Students progress through an accelerated series of exercises in black and white media in order to acquire the language of design and successfully use it to manipulate existent imagery, create original designs and apply design principles to visual communication. Includes experience with digital media. Studio Fee. 3 credits

**ART 131 PHOTOGRAPHY I** introduces students to the fundamentals of photographic composition and digital camera techniques. Topics include camera operation, composition, lighting techniques, and the history of photography. Students should have access to a digital camera. Fulfills creative arts requirements in the Elective Core. Studio Fee. 3 credits.

**ART 141 DRAWING FUNDAMENTALS** provides instruction in basic drawing for students with little or no previous drawing experience. Students learn the language of drawing, composition, strategies for solving basic perceptual problems, and the depiction objects from life within the 2D picture plane. Includes experience with variety of black and white media and an introduction to color media. Fulfills creative arts requirements in the Elective Core. Studio Fee. 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: Must be an Art department major. Studio Fee. 3 credits.

**ART 149 CALLIGRAPHY AND ILLUMINATION** introduces students to the fundamental techniques of handlettering with the pen and brush. The focus of the course is on skill development and building an awareness of the historical context of various styles of lettering. Fulfills creative arts requirements in the Elective Core. 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. 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 110 or 111. Studio Fee. 3 credits.

**ART 222 OUTDOOR DRAWING AND PAINTING** explores a variety of drawing and painting techniques in the outdoor setting. Students receive individualized instruction as they explore their choice of media in a variety of outdoor settings both on and off campus. Prerequisites: ART 141, 142, or 151, or consent of instructor. Studio Fee. 3 credits. Access to transportation helpful.

**ART 225 HISTORY OF ARCHITECTURE** studies the development of architectural spaces from prehistory to the present. Areas of emphasis include the history of church architecture and significant architectural monuments in the Milwaukee area. Activities include local travel and some architectural rendering. Studio Fee. 3 credits.

**ART 230 PRINTMAKING STUDIO I** offers studio experience in basic printmaking processes including monotype, relief, reduction, intaglio, aquatint, and silkscreen. Students utilize printmaking media such as waterbased ink, linocut, Easycufo, acid bath, zinc plates, stencil film and blockout to extend their visual communication skills and produce limited or multiple edition prints. Prerequisite: Art 141 or 142 or consent of instructor. Studio Fee. 3 credits.

**ART 231 PHOTOGRAPHY II** explores advanced techniques of photographic composition and black and white darkroom processes. Topics include the zone system, advanced lighting techniques, studio photography, portfolio production, and the history of photography. Prerequisite: ART 131. 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. Offered in Spring semester of years ending in an even number. Prerequisite: ART 141 or 142. 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. Prerequisites: ART 141, 142, 151, or 210, or consent of instructor. Studio Fee. 3 credits.

**ART 265 ACRYLIC PAINTING** provides an introduction to the techniques of acrylic painting. Topics include concept development, preparation of the ground, color theory, paint application, and critical analysis. Prerequisite: ART 141, 142, or 151, 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 141, 142, or 110, 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. Offered only in the fall semester of years ending in an even number. Prerequisite: ART 275. 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 of years ending in an odd number. 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. Offered only in spring semester of years ending in an even number. Studio Fee. 3 credits.

**ART 290 APPLIED DESIGN: LOOM WEAVING** introduces the heritage art of weaving as students learn the steps necessary to prepare a warp, dress it onto a floor loom, and weave. Includes instruction in loom terminology and function, process of warping and threading, basic methods of pattern drafting and designing, fiber selection and finishing techniques. No Prerequisite. Studio Fee. 3 credits.

**ART 291 APPLIED DESIGN: STAINED GLASS** provides an introduction to the art of creating leaded glass windows. Students receive instruction and practice in design, glass cutting, assembly, installation and repair. Historical and contemporary techniques are discussed. Prerequisite: ART 151. Recommended: ART 110. Studio Fee. 3 credits.

**ART 294 APPLIED DESIGN: JEWELRY** explores a variety of media that may be used for personal adornment. Basic jewelry design, techniques and production will be covered as students experience a variety of processes that may include clay modeling, casting, metalwork, stone setting, found object assemblage, enameling, and sculpture. Prerequisite: Any 100 level art course. Studio Fee. 3 credits.

**ART 295 APPLIED DESIGN: CLAY** explores a variety of techniques and processes involved in ornamental applications of clay. Possible areas of focus include jewelry, tiles, plaques and functional sculpture. Techniques and materials may include primitive firing techniques, slip casting, Egyptian paste, colored clays, and slip and glaze application. Prerequisite: Any 100 level art course. Studio Fee. 3 credits.

**ART 298 APPLIED DESIGN: METALS/JEWELRY** explores a variety of metalworking techniques including cutting, soldered construction, casting and finishing. Students learn basic properties of fine metals and techniques for creating one of a kind jewelry and metal art. Prerequisite: Any 100 level art course. Studio Fee. 3 credits.

**ART 310 HISTORY OF DESIGN** is a survey of the impact of various technologies on the visual qualities of design including but not exclusive to graphic, advertising, fashion, architecture, and industrial design. This course covers two-dimensional and three-dimensional design from the beginnings of written language and handmade books to the printing press, the Victorian Arts and Crafts Movement and eventually the contemporary computer age. Offered only in spring semester of years ending in an even number. Prerequisites: Art History I and II. 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 an 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 345 DRAWING III FIGURE STUDY** offers in-depth drawing instruction and investigation related to portraying the human figure in art. Students study historical precedents focus on anatomical issues as complemented by experimentation with a variety of media and compositional issues. Prerequisite: ART 141, 142, or 245. 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 365 WATERCOLOR PAINTING** introduces students to traditional and contemporary watercolor techniques. A variety of conceptual problems and techniques will be explored in studio activities. Offered during fall semester of years ending in an odd number. Prerequisite: ART 141, 142, 151, or consent of instructor. Studio Fee. 3 credits.

**ART 381 AESTHETICS** studies a range of issues within the philosophy of art. Topics related to art, the artist, the aesthetic object, the audience, art criticism, and interpretation will form the basis of classroom discussion. The work of a wide variety of writers will be considered. Prerequisites: ART 285, ART 286. Crosslisted as PHIL 381. Studio Fee. 3 credits.

**ART 383 HISTORY OF PHOTOGRAPHY** covers the development of photographic processes and applications throughout history. Discussion and assignments cover influential figures and techniques from the early beginnings of photography through contemporary trends. Prerequisites: Art History I & II. Studio Fee. 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.

**ART 402 INDEPENDENT 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. 3 - 6 credits.

**ART 430 ART INTERNSHIP** offers the independently motivated art student an opportunity to gain firsthand field experience in a particular area of interest or study while earning university credit. Students are responsible for making appropriate arrangements receive credit for internships, at the rate of 15 per credit. Hours vary and are flexible as per arranged between student and site supervisor. Prerequisite: Consent of instructor. 3 credits. Additional information on internship opportunities may be found at [www.cuw.edu](http://www.cuw.edu)

**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 CUW Art Gallery. Prerequisite: Status as an Art, Graphic Design, Illustration or Photography major in their final semester. Studio Fee. 1 credit.

## BIOLOGY

All 4 credit courses include a lab

**BIO 140 GENERAL BIOLOGY I** is an introductory course which contains a heavy emphasis on the cell, its structures, and the processes which take place inside the smallest of living units. 4 credits.

**BIO 142 GENERAL BIOLOGY II** studies the biological processes that occur at the system level in both plants and animals. Topics such as transportation, organism control, nutrient breakdown and utilization will be compared in different organisms. 4 credits.

**BIO 146 ESSENTIALS OF ANATOMY & PHYSIOLOGY** is a course for non-biology majors. It surveys the major organ systems in the human body from both a structural and functional perspective and includes a lab. 4 credits.

- BIO 150 FUNCTIONAL HUMAN BIOLOGY I** is an introduction to the cellular processes that occur in the human body with an emphasis on cellular composition/structure, biochemistry and genetics. It is designed for students in the pre-pharmacy program. 4 credits.
- BIO 152 FUNCTIONAL HUMAN BIOLOGY II** is a continuation of BIO 150 with emphasis on the structure and function of selected human organ systems. 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 indepth 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 249 MEDICAL MICROBIOLOGY** introduces students to the biology and role that bacteria, viruses and eukaryotic microbes play in human health and disease. It is designed for students in the nursing program. Prerequisite: CHEM 205. 4 credits.
- BIO 256 ENVIRONMENTAL SCIENCE** is a study of the effects man has on his surroundings through a basic understanding of ecological, biochemical, and physical systems in nature. Cross-listed (Global Environmental Issues) GEOG 356. 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 270 HUMAN ANATOMY AND PHYSIOLOGY I** begins by examining the basic structures of life, the cells and tissues. It studies the structure and function of four major systems of the human body: the integumentary system, skeletal system, muscular system, and nervous system. This laboratory course is designed for nursing and radiation technology students. 4 credits.
- BIO 272 HUMAN ANATOMY AND PHYSIOLOGY II** is a continuation pf BIO 270 and examines the endocrine, circulatory, respiratory, digestive, excretory, and reproductive systems and also the basics of nutrition. 4 credits.
- BIO 275 PRINCIPLES OF ANATOMY AND PHYSIOLOGY I** investigates the nature of the cell and the basic tissues of the body. It then focuses on the integumentary, skeletal, muscular, and nervous systems with an emphasis on the latter three. This laboratory course is primarily but not exclusively designed for students majoring in athletic training and physical education. 4 credits.
- BIO 276 PRINCIPLES OF ANATOMY AND PHYSIOLOGY II** is a continuation of BIO 275 and examines the endocrine, circulatory, respiratory, digestive, excretory, and reproductive systems with an emphasis on the circulatory and respiratory systems and nutrition. 4 credits.
- BIO 280 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. 4 credits.
- BIO 281 FUNCTIONAL ANATOMY AND PHYSIOLOGY II** is a continuation of BIO 280 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 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** 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. 3 credits.
- BIO 322 PATHOPHYSIOLOGY / NURSING** explores a variety of altered health states and studies variances from wellness in man including general mechanisms and systemic manifestations of altered health states as studied across the lifespan. 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** 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.
- 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.
- BIO 370 ORNITHOLOGY** is a field oriented course designed to study birds in their natural habitat. The position of birds in the animal kingdom is studied along with their anatomy, physiology, and behavior. Fall semester - 4 credits. Prerequisite BIO 240.
- BIO 381 HISTOLOGY** is a study of tissues present in the human body. Basic tissue types are analyzed and special emphasis is placed on how these tissues interact as components of organs. Prerequisite: A year of Anatomy and Physiology. 3 credits.
- BIO 385 COMPARATIVE ANATOMY** is a study of comparative vertebrate morphology, focusing on the relationships between form, function and the biological role of body structures. Organization of the vertebrates will be discussed within a phylogenetic framework. The course will include dissection of representative vertebrate species. Prerequisites: BIO 272 or BIO 240. 3 credits.
- BIO 399 BIOLOGY INTERNSHIP** provides credit for biology majors who obtain laboratory or field experience outside of the typical academic environment. The experience must be approved in advance by the Chair, Dept. of Natural Sciences. Prerequisite: 16 hrs. of biology. Up to 4 credits per experience.
- 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 417 PLANT ANATOMY** is the study of the internal structure of the stems, roots, and leaves of extant seed plants. Angiosperms are emphasized, but some features of gymnosperms are also reviewed. The anatomy of the flower, fruit, and seed of angiosperms is also studied. Prerequisite: BIO 240. 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. Treatments 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 435 DEVELOPMENTAL BIOLOGY** provides an overview of the processes of vertebrate and invertebrate animal development. Topics covered include fertilization and morphogenesis, mechanisms of cellular differentiation, genetic control of development, pattern and body axis formation. Students will examine a variety of embryos including sea urchin, salamander, frog and chick. Prerequisites: BIO 270 OR BIO 140 and BIO 240. 3 credits.

**BIO 444 SYSTEMATICS** is the study of the principles of identifying, naming, and classifying biological organisms. Students will be introduced to morphologic keys which are used to identify field specimens. Students are also introduced to the biochemical and molecular methods that are being increasingly used to identify plants and animals. Prerequisite: 16 hours of biology. 4 credits.

**BIO 470 HUMAN PHYSIOLOGY** focuses on medical physiology with emphasis on cellular and organ system physiology. Functions of circulation, respiration, heat regulation, water balance, neuromuscular mechanisms, neural and endocrine integration will be included. Prerequisites: two semesters of Biology. 4 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.

## BUSINESS

**BUS 130 PRINCIPLES OF MANAGEMENT** examines the principles and functions of management with an integration of line and staff relationships, theories of management, authority and responsibility, centralization and decentralization, team building, and developing policies, strategies, and tactics. 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.

**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, inferential statistics, discrete and continuous probability distributions, and regression analysis. 3 credits.

**BUS 336 HUMAN RESOURCES MANAGEMENT** studies the functions and contributions that the Human Resources Department makes in the operation of a business. Emphasis is placed on historical and present day activities of the discipline including staffing, nurturing, performance appraisal, compensation and problem resolution regarding employees. The overall business environment is recognized as a problem source. 3 credits.

**BUS 340 ORGANIZATIONAL BEHAVIOR** considers the behavior of individuals and groups within an organizational context. Students consider individual-level factors such as motivation and attitudes, group-level factors such as communication, leadership, work teams and conflict, and organizational-level factors such as organizational structure, culture, learning and change process. Pre-requisite: BUS 130, sophomore standing or consent of instructor. 3 credit hours

**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** studies the problems and opportunities of managing a small company. Specific concerns of retail, service and small manufacturing firms are addressed. Location selection, financing, and operations are investigated. Prerequisite: BUS 130. 3 credits.

**BUS 398 SPECIAL TOPICS IN BUSINESS** provides a discussion, lecture, and/or research forum (including individual research) for special business subjects not addressed by the regular curriculum. Prerequisites: BUS 130. 1-3 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 429 PRODUCTION/OPERATIONS MANAGEMENT** studies the principles and problems involved in the planning, organizing, directing, and controlling of a business operation. Topics covered include location decision, design of the facility, inventory control, aggregate planning, MRP quality control, and work design. Prerequisite: Math 205. 3 credits

**BUS 450 INTERNATIONAL BUSINESS** is a systematic course concerned with the challenges, problems and opportunities that face corporations operating outside their domestic environment. The emphasis will be placed upon the basic principles, concepts and techniques relevant to international business management. Other than business issues generally discussed in the fields of economics, politics, finance, marketing and law, this course stresses the integration within a global business context. Prerequisite: BUS 130. 3 credits.

**BUS 453 BUSINESS POLICY** 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.

## CHEMISTRY

All 4 credit courses include a lab.

**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 credit hours.

**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 credit hours.

**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: Chemistry 141: 4 credit hours.

**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: Chemistry 142: 4 credit hours.

**CHEM 235 DESCRIPTIVE INORGANIC CHEMISTRY** introduces the student to the descriptive chemistry of the elements, with a focus on selected elements from within the representative or main groups. Topics to be covered include periodic trends, reactivity patterns, and structure as well as “real world” applications and some chemical history as it applies to the topics presented. 3 hours lecture, 3 hours lab Prerequisite: Chemistry 142: 4 credit hours.

**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: Chemistry 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: Chemistry 241: 4 credit hours.

**CHEM 361 ENVIRONMENTAL CHEMISTRY AND TOXICOLOGY** introduces the student to how natural environmental processes are driven by chemical reactions and how these processes are affected by toxicants—natural as well as anthropogenic. Specific areas of concentration include the atmosphere, hydrosphere, energy, toxicology, and disposal of dangerous wastes. Prerequisite: 1 year of chemistry or permission of instructor. 3 credit hours.

**CHEM 341 PHYSICAL CHEMISTRY I** is a study of quantum theory, the electronic structure of atoms and molecules, group theory, and vibrational, electronic, and magnetic resonance spectroscopy. 3 hours lecture, 3 hours lab Prerequisite: Chemistry 342, MATH 202: 4 credit hours.

**CHEM 342 PHYSICAL CHEMISTRY II** introduces the student to the physical study of the states of matter, equilibrium, thermodynamics, the properties of solutions and the rates of chemical and physical processes. 3 hours lecture, 3 hours lab Prerequisite: Chemistry 142, MATH 201: 4 credit hours.

**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: Chemistry 242 or consent of instructor: 4 credit hours.

**CHEM 435 ADVANCED ORGANIC CHEMISTRY** is an advanced survey of modern organic chemistry, linking molecular structure to reaction behavior. Stereochemistry, reaction kinetics and thermodynamics, and orbital symmetry are applied rigorously to selected reactions. 3 hours lecture, 3 hours lab Prerequisite: Chemistry 242: 4 credit hours.

**CHEM 445 ADVANCED INORGANIC CHEMISTRY** provides advanced treatment of the chemistry of transition metal compounds and organometallic compounds, including discussions of symmetry and group theory, bonding theory, structure of solids, kinetics and mechanisms for reactions, Lewis acid/base chemistry, and others. 3 hours lecture, 3 hours lab Prerequisite: Chemistry 235, Chemistry 342: 4 credit hours.

**CHEM 455 INSTRUMENTAL ANALYSIS** is an in depth study of the use of instruments in chemical analysis. Topics will include the basic theory and techniques of instrumental methods of analysis, with emphasis on spectrophotometry, X-ray, NMR, chromatography, electrochemical analysis, and mass spectrometry. 2 hours lecture, 4 hours lab Prerequisite: Chemistry 225: 4 credit hours.

**CHEM 490 CHEMISTRY SENIOR SEMINAR:** Reports and discussion of current chemical literature. Seminar is required of all senior chemistry majors. Prerequisite: Junior standing and 16 credits of chemistry: 1 credit hour. Students may take CHEM 490 take up to four times for credit.

**CHEM 499 UNDERGRADUATE RESEARCH** provides the student the opportunity to work on a research topic under the direction of a member of the chemistry faculty. Students may enroll for credit more than once and may apply up to 4 credits of CHEM 499 to the requirements for the major. 3-9 hours lab Prerequisite: 16 credits of chemistry and instructor's approval: 1-3 credit hours.

## CHINESE

**CHIN 101 BEGINNING CHINESE I** is designed for students who have no formal learning of Mandarin Chinese. Students will develop skills in listening and speaking with some introduction to reading and writing Chinese characters as well as Chinese culture. 4 credits.

## COMMUNICATION

**COMM 105 PUBLIC SPEAKING** (new title replaces The Spoken Word) 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. 3 credits.

**COMM 191 BEACON** requires acceptable work on the student publication. Prerequisite: COMM 265 1 credit.

**COMM 193 WCUW** 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. 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** presents the theory and concepts of an ethical relationship between the enterprise and its public. Prepares students to take their place as contributing members of society by understanding the interrelationships between people, organizations, and institutions. The Christian perspective of the public relations function is emphasized. Cross-listed MKTG 223. 3 credits.

**COMM 247 BUSINESS WRITING** 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.

**COMM 250 INTRODUCTION 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 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 300 GROUP DYNAMICS** introduces students to key communication skills and issues that occur within small, task-oriented groups. Topics such as group formation, group development, roles, power, listening, conflict, decision making, problem solving, and leadership are presented via a wide variety of thought-provoking exercises. The course concludes with a major small-group project that leads into a class presentation and a reflection paper. Crosslisted SOC 300. 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 credit hours

**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 of 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 servant hood. 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 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 COMM 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: COMM 223. 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. 3 credits.

**COMM 448 ADVANCED MULTIMEDIA PRODUCTION** goes more in-depth 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. Prerequisites: 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. CSC 150 serves as the foundation for all further CSC courses and has no prerequisites; it is therefore suitable for all students as an introduction to the fascinating world of computer science and information technology. CSC 150 satisfies the core mathematics requirement (except for CS and IT majors). 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 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 250 COMPUTER SCIENCE, THEORY AND PRACTICE I** studies the foundational issues of computer programming in detail. The primary course emphasis is on computer control structures (selection, repetition, procedure, etc) — how they are mathematically derived in theory and applied in the practice of problem solving. Algorithms will be transformed into modern high-level languages (such as C# and Java) by following professional programming techniques. Prerequisites: CSC 150 and CSC 200 with a grade of C or better. 3 credits.

**CSC 300 COMPUTER SCIENCE, THEORY AND PRACTICE II** 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. CSC 300 is a continuation of CSC 250 using a similar programming environment. Prerequisite: CSC 250 with a grade of C or better. 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. Prerequisites: CSC 150 and CSC 200. 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. Prerequisites: CSC 150 and CSC 250. 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. Prerequisites: CSC 150 and CSC 250 with a grade of C or better. 3 credits.

**CSC 390 SPECIAL TOPICS IN COMPUTER SCIENCE** explores new and interesting topics developed in computer science. Course content varies by semester. This course may be repeated with change of topic and consent of department chair for additional credit. Prerequisites: CSC 150 and CSC 200. 3 credits.

**CSC 400 INTERNSHIP** consists of supervised work in a given area of computer science in an industrial or business setting. The topic of the internship is determined in conjunction with the responsible faculty, the on-site supervisor, and the student. Prerequisites: CSC 150, CSC 200, and permission of department chair. 1 credit.

**CSC 410 ETHICAL COMPUTING** provides the foundation for professional ethics in the fields of Computer Science and Information Technology. Students are familiarized with the doctrine of vocation and its implications for ethical attitudes, policies and behaviors. Students see their work as a means of service with social responsibilities that go far beyond the immediate legal and business-related requirements of their employer. Relevant moral criteria are presented and applied to contemporary case studies. Prerequisites: CSC 150, CSC 175, CSC 180, CSC 200, and upper-division status. 3 credits.

**CSC 415 ARTIFICIAL INTELLIGENCE** investigates the concepts of intelligence, both human and machine, and the nature of information, its origin, description, and transmission. This course focuses on practical approaches to incorporating artificial intelligence into useful applications. Included are such topics as face recognition, speech recognition and robotic construction. The nature of human intelligence and the limits of machine intelligence will be treated from a scientific, philosophical, and computational perspective. Prerequisites: CSC 150, CSC 175, CSC 200, and upper-division status. 3 credits.

**CSC 420 HUMAN COMPUTER INTERACTION** concerns the fundamental issue of effective and usable human computer interaction. In addition to technical issues, people and process must be understood to create effective and usable tools. As CS and IT practitioners create and manage systems as effective problem-solving tools for others, they must develop a user-centered perspective within the organizational context. To that end this course will study related issues including cognitive principles, human-centered design, ergonomics, accessibility, emerging technologies and usable environments. Prerequisites: CSC 150, CSC 175, CSC 200, and upper-division status. 3 credits.

**CSC 425 COMPUTER ORGANIZATION AND ARCHITECTURE II** is a continuation of CSC 325. Advanced topics in organization and architecture are treated in depth. Concepts include: external interfacing, bus design, CU and ALU function and structure and parallel processing. Students will specify, design, and construct a hardware project. Prerequisites: CSC 150 and CSC 325. 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. Prerequisites: CSC 150, CSC 175, CSC 200, and upper-division status. 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 concurrency control are included. Prerequisites: CSC 150, CSC 175, CSC 180, CSC 200, and upper-division status. 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. Prerequisites: CSC 150, CSC 175, CSC 200, CSC 250, and upper-division status. 3 credits.

**CSC 450 SYSTEMS SOFTWARE** examines system-level software in depth with an emphasis on translation software and database systems. The interaction between systems-level software and the computer hardware is studied. The role of computer scientist in abstracting the hardware from the computer user is explored. Prerequisites: CSC 150, CSC 325, and CSC 350. 3 credits.

**CSC 460 WEB SYSTEMS** are the primary information repositories of 21st century information technology. This course focuses on web technologies, information architecture, digital media, web design and development, vulnerabilities and social software. Prerequisites: CSC 150, CSC 175, CSC 180 and CSC 200. 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 150, CSC 300, and CSC 370. 3 credits.

**CSC 490 SENIOR SEMINAR I** provides the student the opportunity to explore the Grand Ideas of computer science in a systematic way. Senior computer science students will be exposed to a variety of fundamental computer science concepts within a sound philosophical framework. Current events and small scale projects will augment and reinforce computer science concepts. The senior computer science assessment examination will be administered in this course. Finally, groundwork preparation for the CSC 491 project will be laid. Students are challenged to explore the relationship between a Christian worldview and the fundamental concepts of computer science and technology. Prerequisite: Senior Standing in CS (consent of department chair). 3 credits.

**CSC 491 SENIOR SEMINAR II** provides the student the opportunity to showcase computer science problem solving skills by synthesizing an acceptable project. Students choose an acceptable problem and then fully implement the solution to that problem following professional programming practice. Students present their progress and project in both written reports and oral presentations. Prerequisites: CSC 370 at CUW and Senior Standing in CS (consent of department chair). 3 credits.

## DIAGNOSTIC MEDICAL SONOGRAPHY

### Columbia St Mary's Diagnostic Medical Sonography Program

**FOUNDATIONS OF SONOGRAPHY - 3 credits** This course introduces the student to the services and policies of Columbia St. Mary's, the Medical Imaging Department and its training programs. Basic methods of sonographic equipment operation, patient safety, departmental procedures, basic cross-sectional anatomy, basic medical and ultrasound terminology, and introduction to ultrasound scanning are stressed.

**PHYSICS I - 3 credits** The student will learn the preliminary physics necessary to understand the components required for the production of Diagnostic Ultrasound. The student will also be provided with the knowledge to understand how sound waves interact with the tissue and how the system generates an image.

#### ABDOMEN ULTRASOUND I - 3 credits

**ABDOMINAL VASCULAR SYSTEM** This class is designed to provide the student with knowledge pertaining to the abdominal vessels. This may be the student's first experience of looking at anatomy with depth. Using the vessels as a road map they will learn their way through the upper abdomen.

**RETROPERITONEUM** Will acquaint student with the anatomy and physiology of the adrenals and the lymphatic system as well as the different types of abscesses and other fluid collection that can be found throughout the body.

**OB ULTRASOUND I - 3 credits** Course will acquaint the student with the miracle of life. Starting with fertilization, continuing on to the embryonic period and organogenesis. The problems of a first trimester pregnancy will be covered as well as the sonographic appearance of these problems and the sonographers role in these situations.

**OB MEASUREMENTS** The goal of this course is to teach the student how to comprehend the importance of accurate fetal measurements and the role they play in the diagnosis of fetal problems.

#### GYN ULTRASOUND I - 3 credits

**GYN ANATOMY** Enables the student to be able to identify the normal anatomy and vasculature in the female pelvis and provide them with the patient preparation and protocol for a pelvic ultrasound.

**TRANSVAGINAL SCANNING** This class will teach the student the advantages, as well as the disadvantages of using a vaginal probe. Patient position, precautionary measures and scanning techniques will be some of the key points.

**PHYSICS II - 3 credits** In this course the student will continue to build onto the foundation of Physics I. They will learn about the construction and operation of the ultrasound transducer, its beams and focusing, automatic scanning and resolution.

#### ABDOMINAL ULTRASOUND II - 3 credits

**LIVER** The Goal of this course is to understand the composition and function of the liver. Being able to differentiate between normal and abnormal liver parenchyma. To enable the student to achieve the different views and patient positions needed to produce a quality exam.

**GB, BILIARY SYSTEM, AND SPLEEN** Is a study of the function of the GB, biliary tree, and spleen. It will bring together the use of the patients clinical and laboratory data along with the ultrasound exam in order to help confirm the patients diagnosis.

**PANCREAS** Provides the knowledge of the composition, function and ultrasound appearance of the pancreas. To be able to differentiate between normal and abnormal anatomy. To enable them to appreciate the use of different views and patient positions needed to produce a quality pancreas exam.

#### OB II - 3 credits

**PLACENTA AND CORD** The goal of this course is to be able to identify a normal placenta, determine placental size, grade, and position. Know if the placenta is abnormal and what the differentials might be. Be able to differentiate between a two and three vessel cord and identify other cord anomalies.

**MULTIPLE GESTATION** Examines the different types of twinning as well as the risk factors involved with both the mother and the babies. Provides the protocol that is required with a multiple gestation.

**MATERNAL AND FETAL COMPLICATIONS** This class will cover amniotic fluid, its sources, and causes for polyhydramnios and oligohydramnios. As well as some of the maternal problems in pregnancy, such as, IUGR, immune and nonimmune hydrops, Rh isoimmunization, diabetes, maternal hypertension, preeclampsia and eclampsia will also be covered. Ultrasounds role in the diagnosis of these problems will also be covered.

#### GYN ULTRASOUND II - 3 credits

**HORMONAL, OVARIAN, ENDOMETRIAL CYCLES, INFERTILITY AND POSTMENOPAUSAL WOMEN** Provided in this class is the understanding of the function of the female body throughout its monthly cycles. The problems and some of the solutions of infertility, as well as, some of the problems facing the postmenopausal women. The role of ultrasound in these areas is fascinating and ever changing.

**INFLAMMATORY DISEASE, IUCD, AND MISC. PELVIC PATHOLOGIES** Examines the different types of pelvic infections, the route of these infections, and their differentials. Be able to identify the different types of congenital uterine anomalies, how they are imaged, and what other area of the body needs to be imaged if this anomaly is found. Be able to identify the different types of intrauterine contraceptive devices (IUCD).

**PHYSICS III - 3 credits** Provides the knowledge of imaging processing, the different types of ultrasound modes and methods of improving the ultrasound image using pre and post processing. To understand what an artifact is, be able to identify what type of artifact is present, and be able to eliminate the artifact if possible in order to achieve the best possible scan.

#### ABDOMINAL ULTRASOUND III - 3 credits

**RENAL** The goal is to understand the make-up and function of the urinary system. Being able to differentiate between a normal and abnormal exam, be able to initiate a color flow and Doppler study of the renal artery and vein and able to locate a transplanted kidney. To be able to appreciate the use of different views and patient positions that are needed to produce a quality exam.

**GI** Provide the knowledge of the normal and abnormal GI Tract and learn the function and sonographic appearance of the GI tract.

**TESTICULAR AND PROSTATE** This course will enable the student to recognize the sonographic features of the normal and abnormal prostate and testicle. To be able to perform a color flow study of the testicles. To know the correct patient position for both a prostate and testicular exam.

**BREAST** Study of the normal and abnormal anatomy of the breast and how ultrasound works in conjunction with mammography in order to give the patient the most accurate diagnosis.

**THYROID** To acquaint the student with the many functions of the thyroid gland and parathyroid glands and to know the normal and abnormal sonographic appearance of the thyroid and parathyroid glands.

**NEONATAL BRAIN** This course is designed to introduce the student to the normal and abnormal anatomy of the neonatal brain, as well as some basic scanning techniques.

#### OB III - 3 credits

**MATERNAL CONDITIONS AND FETAL ASSESSMENTS** The goal of this course is to familiarize the student with the different types of maternal infections as well as the invasive and non-invasive test that may require ultrasound. The student will be able to recognize the different signs of a fetal demise and how to handle the situation.

**FETAL ANOMALIES** This course will focus on each of the fetal systems. Enabling the student to be able to differentiate between normal and abnormal fetal anatomy. Knowing what anomalies can be imaged with ultrasound and at approximately what fetal age these anomalies can be detected.

#### GYN ULTRASOUND III - 3 credits

**UTERINE PATHOLOGY** This class is a study of uterine masses, both benign as well as malignant pathologies of the uterus will be covered.

**OVARIAN PATHOLOGY** Is a study of the different types of ovarian masses. These masses can be benign or malignant, variable in size, and have different consistencies.

**VASCULAR PHYSICS I - 3 credits** This course will provide the student with the knowledge of equipment care and how to set up a quality assurance program. The bioeffects of ultrasound will be covered in detail, in order to protect the sonographer, as well as their patients.

#### VASCULAR TECHNOLOGY I - 3 credits

**CAROTID** Learn the use of gray scale, color, and Doppler in order to get a diagnostic image. Know the basic scanning techniques and techniques to overcome scanning problems.

**VENOUS** Gives the student knowledge needed be able to identify normal versus abnormal venous anatomy. To further learn the use of grey scale, color, and Doppler in order to get a diagnostic image. Know the basic scanning techniques and techniques to overcome scanning problems.

**VASCULAR PHYSICS II - 2 credits** The goal of this class is to teach the many facets of spectral Doppler, to understand the Doppler effect, and how to recognize abnormal wave forms and Doppler values.

**VASCULAR TECHNOLOGY II - 2 credits**

**ARTERIAL** Is a study of normal and abnormal arterial anatomy, the basic technique for arterial pressure studies, identification of normal versus abnormal arterial readings, and criteria for when you can and cannot exercise a patient.

**ABDOMINAL** The object of this course is to be able to identify normal abdominal vascular anatomy, know proper patient positioning, be knowledgeable about techniques to overcome scanning problems, and able to identify normal versus abnormal waveforms.

## Wheaton Franciscan Healthcare St Francis School of Diagnostic Medical Sonography Program

**FOUNDATIONS OF ULTRASOUND** This course helps the students adapt to the demands of a hospital based educational program. Course content includes hospital and department orientation, the function of imaging in medicine, ethics, infection control, terminology, ultrasound history, basic technique (Knobology), and equipment utilization.

**ABDOMINAL SONOGRAPHY 1** This course focuses on normal gross anatomy, cross-sectional anatomy, and relational anatomy of the abdominal cavities, abdominal vessels, liver, and biliary system. Physiology and pathology are emphasized. Related laboratory values and other imaging modalities are discussed. Lectures are correlated with scanning lab demonstrations.

**ULTRASOUND PHYSICS & INSTRUMENTATION 1: BASIC ULTRASOUND** This course focuses on basic mathematical principles and ultrasound physics. The relationships between period, frequency, and wavelength are explored. A description of amplitude, power and intensity is given for both continuous wave and pulsed ultrasound. The student is taught the concepts of attenuation, reflection and refraction.

**CLINICAL PRACTICUM 1** The students will receive clinical instruction at WFH- St. Francis. This instruction will concentrate on abdominal ultrasound but the student will be exposed to all facets of Sonography. Under the direct supervision of the clinical instructors and sonographers, students will perform that portion of the abdominal exam that they have attained proficiency in. (see proficiency/competency system). They will further observe all exams performed at the clinical site. Students will be evaluated monthly on their scanning abilities and patient care skills.

**ABDOMINAL SONOGRAPHY 2** This course focuses on normal gross anatomy, cross-sectional anatomy, and relational anatomy of the pancreas, kidneys, spleen adrenals, GI tract, and abdominal wall. Physiology and pathology are emphasized. Related laboratory values and other imaging modalities are discussed. Lectures are correlated with scanning lab demonstrations. This is one of two courses that will contribute to a final grade in Abdomen Sonography.

**ULTRASOUND PHYSICS & INSTRUMENTATION 2: INSTRUMENTATION** This course focuses on the production of ultrasound and the processing of returning echoes for the fabrication of images. It discusses the various types of transducers and mechanisms for emitting and receiving sound waves. The schema of an ultrasound unit is discussed. The basic concepts of Doppler ultrasound and hemodynamics are introduced.

**CLINICAL PRACTICUM 2** Students will receive continued instruction by clinical instructors and sonographers in the performance of abdominal ultrasound at WFH- St. Francis. Again students will perform that portion of the abdominal exam that they have completed proficiency for. Students will also be encouraged to perform other exams under the direct supervision of the clinical instructors and experienced sonographers. Students will be evaluated monthly on their scanning abilities and patient care skills.

**PELVIC SONOGRAPHY** This course focuses on the gross normal anatomy, embryology, disease processes and normal and abnormal scan appearances. Physiology, embryology, and the menstrual cycle are discussed. Congenital and acquired anomalies are also explored. Infectious and inflammatory processes as well as neoplasms of the vagina, uterus, ovaries, and surrounding adnexa are discussed. Lectures are correlated with scanning lab demonstrations.

**SUPERFICIAL SONOGRAPHY** This course focuses on the embryology, normal gross anatomy and cross-sectional anatomy of the breast, thyroid, scrotum, prostate, penis, and musculoskeletal ultrasound. The physiology, pathology, and pathophysiology of these organs will be discussed. The normal and abnormal sonographic appearance of the organs will be demonstrated as well as techniques for obtaining images. Correlation with laboratory values and other modalities will be discussed.

**ULTRASOUND PHYSICS3: VASCULAR ULTRASOUND, QUALITY CONTROL & BIOEFFECTS** This course focuses on the physics and instrumentation used in vascular physics. The hemodynamics, Doppler instrumentation, and bioeffects of ultrasound are discussed and the safe use of the technology is emphasized. Students are required to explore recent advances in ultrasound and make presentations. This course will prepare the student to take the Physics and Instrumentation Final Exam.

**ABDOMINAL & PELVIC CASE REVIEW/FILM CRITIQUE 1** This course serves as an in-depth look at normal and abnormal abdominal and pelvic sonographic anatomy, interpretive, and technical considerations. The student will be required to present at least one case per session using prescribed methodology. The cases are designed to parallel the progression of lecture material. This course also encompasses rotations with the 'reading' radiologist while dictating exams.

**CLINICAL PRACTICUM 3** Students will begin clinical rotations at other sites. They will be expected to fully perform abdominal Sonography. They will receive instruction and experience hands on scanning of superficial and pelvic Sonography. They will continue to observe all other exams that the clinical site performs. Students will be evaluated monthly on their scanning abilities and patient care skills.

**OBSTETRICAL SONOGRAPHY 1** This course focuses on the gravid uterus and fetal development. Spontaneous abortion and ectopic pregnancies will be discussed. The function of the placenta, umbilical cord and amnion will be detailed. The normal 2nd and 3rd trimester fetal anatomy will be explained. The types of fetal ultrasound will be explored.

**VASCULAR SONOGRAPHY 1** The purpose of this course is to prepare the student to perform peripheral arterial and venous vascular ultrasound. It will introduce the student to the ultrasound physics and instrumentation involved performing vascular ultrasound. It then moves to the concepts of peripheral arterial and venous hemodynamics. The anatomy, physiology and pathology of the peripheral arterial and venous vasculature will be addressed. The ultrasound tests used to diagnose peripheral arterial and venous pathology will be described and the student will be taught to perform each of these tests. Scan labs will be integrated into the curriculum to provide hands-on skills. The student will become acquainted with other modalities that perform peripheral arterial and venous tests and the relative strengths and weaknesses will be explored.

**PEDIATRIC & INVASIVE SONOGRAPHY** This course will explore the uses of ultrasound that are either done rarely or practiced in specialized settings. Neonatal head, pediatric spine, abdominal, and hip ultrasound. Physiology, pathology, and related laboratory values are emphasized.

**PELVIC & ABDOMINAL CASE REVIEW/FILM CRITIQUE** This course serves as an in-depth look at normal and abnormal pelvic, abdominal, superficial and 1st Trimester Obstetric sonographic anatomy and interpretive and technical considerations. The student will be required to present at least one case per session using prescribed methodology. The cases are designed to parallel the progression of lecture material.

**CLINICAL PRACTICUM 4** Students will continue their clinical rotations at various sites. They will experience a variety of patient populations, with differing ethnic and socioeconomic backgrounds. They will begin performing obstetric exams under direct supervision. They will be expected to completely perform abdominal exams as well as superficial and pelvic exams under supervision. Students will be evaluated monthly and are expected to attain proficiencies and competency in pelvic ultrasound.

**OBSTETRICAL SONOGRAPHY 2** This course focuses on the 2nd and 3rd trimester scan. Gestational dating, maternal and fetal complications, fetal anomalies, and pathologies are emphasized. Models are used during the integrated scan labs to give the student proctored, hands-on scanning experience.

**VASCULAR SONOGRAPHY 2** The purpose of this course is to prepare the student to perform cerebrovascular and visceral Vascular Ultrasound. The student will also become familiar with pre and post testing for dialysis grafts and shunts. It will introduce the student to the instrumentation involved performing these exams. The concepts of cerebrovascular hemodynamics will be taught. The anatomy, physiology and pathology of the cerebrovascular and visceral systems will be addressed. The ultrasound tests used to diagnose cerebrovascular and visceral pathology will be described and the student will be taught to perform each of these tests. Scan labs will be integrated into the curriculum to provide hands-on skills. The student will become acquainted with other modalities that perform vascular tests and the relative strengths and weaknesses will be explored. Finally the quality control and statistical analysis of vascular ultrasound will be taught.

**GENERAL AND VASCULAR CASE REVIEW/FILM CRITIQUE 3** This course serves as an in-depth look at normal and abnormal general and vascular sonographic anatomy and interpretive and technical considerations. The student will be required to present at least one case per session using prescribed methodology. The cases are designed to parallel the progression of lecture material.

**CLINICAL PRACTICUM 5** Students will continue clinical rotations at various sites. They will be independently performing all aspects of general ultrasound and peripheral vascular testing under supervision. They will continue to learn the 2nd/3rd trimester pregnancy scan and Cerebrovascular scanning. Students will be evaluated monthly and are expected to attain proficiencies and competencies in obstetric exams.

**REGISTRY REVIEW** Classroom involvement during the last quarter of the program is dedicated to reviewing for the ARDMS exam. This course provides students with the opportunity to improve test-taking skills.

**GENERAL AND VASCULAR CASE REVIEW/FILM CRITIQUE 4** These courses serve as an in-depth look at normal and abnormal general and vascular sonographic anatomy and interpretive and technical considerations. The student will be required to present at least one case per session using prescribed methodology. The cases are designed to parallel the progression of lecture material.

**CLINICAL PRACTICUM 6** Student's placement at the school's clinical sites will be increased and students are required to achieve mastery of all phases of ultrasound including vascular. Students will be evaluated monthly and are expected to attain proficiencies and competencies in vascular exams. This course is intended for students not continuing with the cardiac sonography elective.

## ECONOMICS

**ECON 200 PRINCIPLES OF ECONOMICS** offers a single semester introduction to both Micro and Macro Economics. Students emerge with a basic understanding of the concepts behind economists' analysis of labor and product markets as well as business decisions. They also learn to recognize the perspectives of macroeconomists and evaluate how fiscal and monetary policy may adversely or positively impact the macro-economy. 3 credits.

**ECON 222 MACRO-ECONOMICS** presents principles and theories of macro-economics with emphasis on economic policies and their impact on the national welfare. Special attention is given to the application of economic thinking methods to solving the macro economic problems. 3 credits.

**ECON 231 MICRO-ECONOMICS** provides a unifying theme of micro-economics, showing how micro economics is the synthesis of theories, decision sciences, and the various fields of business administration studies. The special emphasis is placed on the interaction between the firm's business strategy and the market structure as the firm attempts to reach optimal performance in the face of economic constraints. 3 credits.

**ECON 315 MACROECONOMIC 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** provides an up-to-date and balanced approach to world economic relations by integrating theories of international economics with globally empirical evidence. The special attention is given to the current process of globalization, increasing volume of international trade, foreign direct investments, cross-border lending, and international portfolio investment. Prerequisites: ACCT 102, ECON 222, ECON 231, FIN 300, MKTG 131. 3 credits.

**ECON 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 the 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.

## EDUCATION

**ED 100 PRE-UDS** is 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 ED 211, ED 212, and ED 213. Students should register for ED 100 every semester until Upper Division Status is achieved. 0 credits.

**ED 102 FOUNDATIONS OF EDUCATION** is a critical examination of the forces that have shaped formal and informal education, especially as they affect American urban education. Historical, philosophic, scientific, and social foundations are related to contemporary issues. This is an introduction to the teaching profession. Technology is integrated throughout this course. 3 credits.

**ED 103 HUMAN RELATIONS FOR TEACHERS** is an interaction laboratory course designed to help students improve their interpersonal relationship skills and acquire competence in facilitating human relations activities in the classroom. Students will examine their attitudes and values toward and improve their techniques in working with students, parents, colleagues, and community and minority groups. Introduces human relations component to education majors. 3 credits.



**ED 202 MUSIC FOR TEACHERS** enables prospective elementary/middle school teachers to develop and integrate musical knowledge and skills through movement and by playing the recorder, autoharp, various rhythm instruments. 3 credits.

**ED 203 EDUCATIONAL TECHNOLOGIES** is 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.

**ED 204 DEVELOPMENTAL READING (GR. K-9)** surveys the nature of the teaching of reading, covering the varied elements of the reading process, different kinds of reading, and various approaches to the teaching of reading. Includes field experience. 3 credits.

**ED 211 CLINICAL I** - is an initial clinical experience for education students in public and private classrooms and a selection of grade levels. The experience involves 30-50 clock hours of work during the semester in teaching-learning situations: observing, tutoring, clerical work, small group instruction, etc. Students register for this course by enrolling in ED 100 Pre-UDS. 1 credit.

**ED 212 CLINICAL II** - is an initial clinical experience for education students in a multicultural environment. The experience involves 30-50 clock hours of work during the semester in teaching and learning situations: observing, tutoring, clerical work, small group instruction, etc. Students register for this course by enrolling in ED 100 Pre-UDS. 1 credit.

**ED 213 CLINICAL III** - is an initial clinical experience for education students in a special education environment. The experience involves 30-50 clock hours of work during the semester in teaching-learning situations: observing, tutoring, clerical work, small group instruction, etc. Students register for this course by enrolling in ED 100 Pre-UDS. 1 credit.

**ED 230 NATURE OF THE EXCEPTIONAL CHILD (INTRODUCTION TO CHILDREN WITH SPECIAL NEEDS)** is designed to introduce the education student to a study of the major characteristics of all disabilities as defined by state and federal law in order to recognize their existence in children and youth. Students will study the process and legal requirements for Special Education services, including pre-referral intervention, screening, the referral process, and M-teams and IEPs. Students will also study characteristics of gifted children. 3 credits.

**ED 231 CHILDREN'S LITERATURE** presents an extensive selection of books for children of all ages; criteria for selection; practical methods for arousing the child's interest in books; includes units on the art of the storyteller, drama for and with children, uses of modern technology, and psychological factors in writing children's literature. Students will be expected to read extensively in children's books. 3 credits.

**ED 252 TEACHING ADOLESCENT LITERATURE** provides an introduction to the student to a variety of strategies for presenting adolescent literature in the classroom. The course includes an overview of genres along with an introduction to important early texts as well as current adolescent/young adult texts appropriate for classroom use. Students will explore the issues of diversity, censorship, and privacy within relevant family and community situations. Attention is also given to authors in the field and also will identify criteria for selecting award-winning books. 3 credits.

**ED 275 HUMAN LEARNING** explores theories of human development, learning, and motivation. The practical applications of these theories in educational psychology are presented. Students will be actively engaged in the learning process through a variety of assignments and activities including clinicals, presentations, reflections and other experiences relevant for their portfolio development. 3 credits.

**ED 293 THE URBAN EDUCATION LANDSCAPE** offers the student an extensive study of urban issues positively and negatively affecting urban education. Philosophies and specific strategies will be explored using a variety of resources and instructional tools. Crosslisted SOC 293. 3 credits.

**ED 294 PARADIGMS FOR SUCCESS IN URBAN EDUCATION** explores successful urban leaders in the areas of education and social services. The course surveys the development of beginning urban schools to high-performing models of academic success and strong values. The student will develop knowledge and skills to implement successful plans of action. Crosslisted SOC 294. 3 credits.

**ED 300 UPPER DIVISION STATUS SEMINAR** is 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.

**ED 301 DATA-DRIVEN ANALYSIS OF CLASSROOM INSTRUCTION - ELEMENTARY/MIDDLE** Teachers use a personal philosophy to plan, implement, and assess the instruction and activities of their classroom. While each individual teacher approaches this differently, there is a body of research and methodology within which one must be fluent. This seminar will encourage the educational practitioner to "look ahead," envisioning the block semester, the student teaching semester, and one's professional career. Participants will examine the topics of motivation and student-centered classrooms, instructional objectives and lesson planning, the logistical and practical aspects of teaching, involvement of students, educational technology, assessment, and classroom management. It is designed to be constructivist, and it is grounded in the concept of experiential learning as defined by Johnson and Johnson (1975, 1994). Prerequisite: Upper Division Status. 3 credits.

**ED 303 CURRICULUM & METHODS IN LANGUAGE ARTS ELEMENTARY/MIDDLE** explores materials and methods in the study of the communication skills: speaking, listening, writing, and reading, and their interrelationships. Prerequisite: Upper Division Status; ED301 concurrent. 3 credits.

**ED 304 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.

**ED 305 CURRICULUM & METHODS IN SCIENCE & ENVIRONMENT - ELEMENTARY/MIDDLE** presents an overview of curriculum, materials, and methods of teaching science and environmental concerns. Meets Wisconsin DPI requirements. Prerequisite: Upper Division Status; ED 301 concurrent. 3 credits.

**ED 306 TEACHING THE FAITH** helps the student develop knowledge of resources and skills necessary to teach religion in the elementary classroom. Not required of public education students. Prerequisite: Upper Division Status and completion of Core theology requirements and either REL 204 or REL 404. 3 credits.

**ED 307 TEACHING THE FAITH FOR THE CHRISTIAN/PUBLIC EDUCATOR** addresses two distinct teaching communities. One component of the course explores the legal ways that teachers can express their faith and discuss religious topics in the public school. The other component of the course is similar to the course Teaching the Faith. It has a biblical basis that guides students to share the love of Jesus with their students and explores opportunities for teachers to intentionally integrate faith into the curriculum. This component equips students who end up working in a Christian School. Prerequisites: Upper Division Status. 3 credits.

**ED 309 EDUCATIONAL PSYCHOLOGY - ADOLESCENT** presents theories of development, learning, and motivation in the context of the early adolescent and adolescent student. 3 credits.

**ED 310 METHODS OF TEACHING FOREIGN LANGUAGE AND ENGLISH AS A SECOND LANGUAGE** introduces the student to the methods, curriculum, and current practices in the teaching of foreign language and/or English as a second language. Prerequisite: Upper Division Status. 3 credits.

**ED 311 CURRICULUM AND METHODS OF THEATRE** works the student through the problems of teaching, planning, and presenting theater programs. Where to find and how to select scripts, involving parents, designing and sequential curriculum, theater games, and school programs are covered. Crosslisted THTR 311. 3 credits.

**ED 312 MATH IN MIDDLE SCHOOL** investigates mathematics content and methods appropriate for teaching math to middle level students. National trends and current philosophy of teaching mathematics at this level is discussed. Prerequisite: Upper Division Status. Cross-listed MATH 312. 3 credits.

**ED 315 PRACTICUM IN ESL** provides students with an opportunity to explore theory and practice in a local ESL classroom. 1 credit.

**ED 327 WORKING WITH CHILDREN WITH DISABILITIES AND THEIR FAMILIES** is a course in which education students will explore methods for working with parents of children with disabilities and community agencies. To increase understanding of family's perspectives, the impact of exceptionality on the family is studied in the framework of family systems theory, functions, and the life cycle. Strategies for establishing collaborative partnerships with families resulting in a family-centered approach to service delivery will be emphasized. Community, national agencies, and advocacy groups will be introduced and researched. Students will prepare to help parents advocate for their children's educational and community rights. 3 credits.

**ED 328 ENVIRONMENTAL AND PERSONAL STRATEGIES FOR SELF-MANAGEMENT FOR CHILDREN WITH DISABILITIES:** This course is designed to teach the education student ways to incorporate community involvement in their curriculum specifically for the student with disabilities. Family involvement will be stressed. Students will look at curriculum that incorporates basic issues related to social self-help skills. Units will focus on transitions, vocational options, legal issues, and post secondary programs from sheltered workshops to universities with special education services. Prerequisites: Upper Division Status or consent of department chair. 3 credits.

**ED 343 SYNTHESIS AND PROFESSIONAL DEVELOPMENT—EARLY CHILDHOOD EDUCATION** is a synthesis course focusing on finalizing a personal theory of education and portfolio completion. Taken during the student teaching experience. 1 credit.

**ED 350 TEACHING IN THE MIDDLE SCHOOL** considers the developmental, disciplinary, and instructional needs of the transescent student. Prerequisites: Upper Division Status, ED 301 or concurrent. 3 credits.

**ED 354 LANGUAGE ARTS IN EARLY CHILDHOOD** introduces the student to literacy development, theory, and practice in the early childhood years. This will be taught through exploration of materials and teaching methods of language arts. Listening, speaking, reading, and writing will be the focus using children's literature throughout. Current trends to traditional methods will be introduced with application to pre-kindergarten through third-grade classrooms. 3 credits.

**ED 355 MUSIC IN EARLY CHILDHOOD** introduces the basic elements of musical understanding and skills through participation in singing, rhythmic movement, and improvisation. Students learn to develop criteria for selecting materials and activities. Provides introduction to evaluation methods and to methods for integrating music activities throughout the curriculum. Prerequisite: Upper Division Status. 2 credits.

**ED 356 MATHEMATICS IN EARLY CHILDHOOD** explores content, materials, and strategies for teaching and assessing young children mathematics. Current research in early childhood mathematics education is emphasized. Preservice teachers will teach mathematics in local schools and develop a philosophy for teaching mathematics. Prerequisites: MATH 119 & 120; Upper Division Status. 3 credits.

**ED 357 SCIENCE & ENVIRONMENT IN EARLY CHILDHOOD** explores basic science concepts through discussion and hands-on experience. Students are helped to choose appropriate topics that may be integrated into other curriculum areas. Students learn to view and support young children as theory builders who discover science in their environment as appropriate topics are integrated into other curriculum areas. Prerequisite: SCI 150, SCI 155, Upper Division Status. 3 credits.

**ED 358 LANGUAGE DEVELOPMENT AND EMERGENT LITERACY** is a study of the ways children develop as oral language users, readers, and writers. Includes study of children's language usage, shared book experience, skills in organizing the environment, stages of writing, and journal writing. The course will examine current research, curriculum practices, and instructional strategies. Prerequisites: Upper Division Status and ED 204. 3 credits.

**ED 359 CURRICULUM AND TECHNIQUES IN EARLY CHILDHOOD I** is a study of developmentally appropriate practices, with emphasis on the nature and functions of play. Curriculum design, goal development, and program planning will be examined. To be taken prior to student teaching. Prerequisite: Upper Division Status. 3 credits.

**ED 362 FAITH DEVELOPMENT OF YOUNG CHILD** 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, ED 358, ED 359. 3 credits.

**ED 370 ANALYSIS OF INSTRUCTION – SECONDARY/MIDDLE** emphasizes writing of course objectives and lesson plans, instructional strategies, along with classroom management and discipline techniques. Prerequisite: Upper Division Status or consent of instructor. 3 credits.

**ED 372 CURRICULUM AND METHODS IN TEACHING ENGLISH-SECONDARY/MIDDLE** focuses on teaching concepts and instructional strategies in the teaching of secondary and middle school English. Includes the construction of unit and lesson plans using a variety of resources and instructional tools. Prerequisites: Upper Division Status and ED 370. 3 credits.

**ED 373 CURRICULUM AND METHODS IN TEACHING SOCIAL STUDIES-SECONDARY/ MIDDLE** combines principles and specific methods for teaching social studies in the secondary and middle school. National standards and the various philosophies of teaching social studies will be discussed. Prerequisites: Upper Division Status and completion and ED 370. 3 credits.

**ED 374 CURRICULUM & METHODS IN TEACHING MATHEMATICS-SECONDARY/MIDDLE** combines principles and specific methods of teaching mathematics in the secondary school. National trends and current philosophy of teaching mathematics are discussed. Prerequisites: Upper Division Status and ED 370. 3 credits.

**ED 375 CURRICULUM AND METHODS IN TEACHING RELIGION-SECONDARY/MIDDLE** studies curriculum materials and resources available for high school and middle school religion instruction as well as strategies for teaching. Prerequisite: completion of Core theology requirements and either REL 204 or REL 404. Prerequisites: Upper Division Status or consent of instructor and ED 370. 2 credits.

**ED 376 CURRICULUM AND METHODS IN TEACHING SCIENCE-SECONDARY/MIDDLE** combines current research on learning theory with principles and specific methods of teaching science in the middle and secondary schools, including instruction in the use of audio-visuales. Prerequisites: Upper Division Status or consent of instructor and ED 370. 3 credits.

**ED 377 CURRICULUM AND METHODS IN TEACHING BUSINESS EDUCATION** combines principles and specific methods in teaching business in the middle and secondary schools, including instruction in the use of audio-visuales. Prerequisites: Upper Division Status or consent of instructor and ED 370. 3 credits.

**ED 379 CURRICULUM AND METHODS IN TEACHING MUSIC - (K-12)** covers philosophical foundations of music education, levels of objectives with emphasis at the program and instructional level, characteristics of children and adolescents relevant to teaching music, classroom and rehearsal management, and methods for teaching music to students in grades K-12. Prerequisites: Upper Division Status or consent of instructor and ED 370. 3 credits.

**ED 383 COMMUNICATION ARTS IN THE CONTENT AREAS** provides an in-depth study of the relationship of reading, writing, speaking and listening to the curriculum of middle and secondary schools. Emphasis is on the practical application of reading theory to content, lesson planning and instruction. Prerequisite: Upper Division Status. 3 credits.

**ED 401 LITERACY STRATEGIES FOR THE CLASSROOM** provides students with multiple reading and learning strategies to use across the curriculum. Theoretical models of reading and instructional approaches to the teaching of reading are reviewed, including developmentally appropriate instructional methods for teaching phonics and spelling. Although students are not encouraged to take any course work during student teaching, ED 401 is suitable to take concurrent with student teaching. Permission of the Elementary Education Department Chair is required to take ED 401 concurrent with student teaching. Prerequisites: Upper Division Status, ED 204 completed, ED 301 or concurrent. 3 credits.

**ED 402 INTEGRATION OF THE ARTS IN THE CURRICULUM** explores the critical importance of visual learning experiences within the elementary/middle school curriculum. Considers the developmental stages of children's artistic and graphic development, means of motivating students through art activities and offers hands-on experience with a variety of art materials appropriate for use in the elementary/middle school curriculum. Prerequisites: Upper Division Status and ART 151. 2 creditS.

**ED 404 CURRICULUM/METHODS OF TEACHING ELEMENTARY PHYSICAL EDUCATION AND HEALTH - ELEMENTARY/MIDDLE** introduces the student to the wide variety of activities available for teaching physical education to elementary aged children. In addition, students examine reasons for including health education in the elementary curriculum and explore effective methods and materials for its instruction. Students also learn how to plan daily lessons, unit plans, and yearly schedules. Students are exposed to some of the local elementary school physical education programs analyzing these programs' strengths and weaknesses. Students are given teaching opportunities in a variety of activities. Prerequisite: Upper Division Status. 2 credits.

**ED 407 CURRICULUM & METHODS IN TEACHING SOCIAL STUDIES - ELEMENTARY/MIDDLE** introduces students to curriculum planning, methods, and materials in teaching of 1-9 social studies. Prerequisite: Upper Division Status: Core history and government courses; ED 301 concurrent. 3 credits.

**ED 409 INSTRUCTIONAL TECHNOLOGIES** is an advanced technology course taken by education students with upper division status. The emphasis of this course is to learn how technology is used in the classroom setting. Topics such as the internet, spreadsheets, databases, desktop publishing, PowerPoint and video are explored. Prerequisite: ED 203 and Upper Division Status. Enroll concurrently with student teaching. 1 credit.

**ED 411 PROFESSIONAL ETHICS FOR TEACHERS** is the capstone course of the education program, usually taken just before student teaching. This course emphasizes educational assessment, school law, the procedures for obtaining a position in a public school or a Call to a Lutheran school, the ethical considerations of the teaching profession, and financial planning and other practical issues for teachers. Prerequisite: Upper Division Status. 3 credits.

**ED 412 PORTFOLIO COMPLETION-ELEMENTARY.** 1 credit.

**ED 414 PORTFOLIO COMPLETION-SECONDARY.** 1 credit.

**ED 416 MARKETING EARLY CHILDHOOD PROGRAMS** studies the challenges related toward successfully marketing Early Childhood programs. Topics include formal and informal marketing, local and corporate sponsorship. 1 credit.

**ED 417 FINANCIAL MANAGEMENT FOR EARLY CHILDHOOD PROGRAMS** studies the issues related to the unique workings of Early Childhood programs and competently managing their financial resources. Topics include bookkeeping, computer resources, budgeting, and investments. 1 credit.

**ED 418 HUMAN RESOURCES FOR THE EARLY CHILDHOOD PROGRAM** explores the intricate relationships and concerns found in managing staff in an early childhood program. Issues include off-site management, full-time and part-time employment, and inter-staff communication. 1 credit.

**ED 421 STUDENT TEACHING-ELEMENTARY GRADES 1-6** provides one of two culminating clinical experiences for students who will receive a teaching license for elementary and middle school. Students will enroll concurrently in ED 422. Prerequisites: Upper Division Status and completion of all 300 level education courses. 6 credits.

**ED 422 STUDENT TEACHING-MIDDLE SCHOOL** provides one of two culminating clinical experiences for students who will receive a teaching license for elementary or secondary education. Students will enroll concurrently in ED 420 or ED 474. Prerequisites: Upper Division Status and completion of all 300 level education courses. 6 credits.

**ED 424 STUDENT TEACHING-EXPERIENCED** is a flexible situation arranged for the student with previous teaching experience who desires additional professional development within the classroom setting. 1-3 credits.

**ED 427 STUDENT TEACHING-KINDERGARTEN** provides one of three culminating clinical experiences for students who will receive a teaching license for early childhood. The student teacher will enroll concurrently in ED 428 and ED 460. Prerequisites: Upper Division Status and completion of all 300 level education courses. 4 credits.

**ED 428 STUDENT TEACHING-PRIMARY** provides one of three culminating clinical experiences for students who will receive a teaching license for early childhood. The student teacher will enroll concurrently in ED 427 and ED 460. Prerequisites: Upper Division Status and completion of 300 level education courses. 4 credits.

**ED 429 URBAN EDUCATION FIELD PRACTICUM** investigates the quality and improvement plans of educational facilities. Students examine relevant school research and educational reform initiatives, conduct leader interviews, and participate in professional development for teachers. Emphasis will be placed on improvement plan implementation. 3 credits.

**ED 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. Prerequisites: Upper Division Status. 3 credits.

**ED 433 STUDENT TEACHING K-12 - ELEMENTARY** 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: Upper Division Status and completion of all 300 level education courses. 6 credits.

**ED 434 STUDENT TEACHING K-12 - SECONDARY** 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 433. Prerequisites: Upper Division Status and completion of all 300 level education courses. 6 credits.

**ED 438 TRANSITION AND COLLABORATION FOR ADOLESCENTS WITH DISABILITIES** is designed to provide an overview of the transition and community-based needs faced by adolescents with disabilities as they move from school-based instruction to community-based vocational or post-secondary settings. Emphasis is on legal issues and legislation, service delivery models, transition, and collaboration with community-based organizations and personnel. Prerequisites: Upper Division Status. 3 credits.

**ED 439 CURRICULUM, METHODS, AND ANALYSIS FOR EBD/CD/SLD** This course involves curriculum development for children and youth with EBD/CD/SLD and the implementation and evaluation of curriculum and curricular adaptations in field-based experiences. An emphasis on writing Individualized Education Plans and serving as an IEP team member will also be included. A pre-student teaching classroom experience is a part of this course. Prerequisites: ED 457, Upper Division Status. 3 credits.

**ED 440 CURRICULUM & METHODS IN COMPUTER SCIENCE EDUCATION (1-8)** studies the strategies involved in teaching computer science. Focuses on choosing software that integrates into other areas of the curriculum, and details how to use that software effectively. 3 credits.

**ED 442 STUDENT TEACHING - EARLY CHILDHOOD SPECIAL EDUCATION** provides the culminating special education clinical experience for students who will receive a teaching license in ECSE. The student teacher will enroll concurrently in a student teaching course for early childhood regular education. Prerequisites: Upper Division Status and completion of all 300 and 400 level education courses. 4 credits.

**ED 444 STUDENT TEACHING – CCSE- MIDDLE CHILDHOOD TO EARLY ADOLESCENCE** provides the culminating special education clinical experience for students who will receive a teaching license in CCSE. The setting will provide students with experience in their area of concentration (CD, EBD, or LD). The student teacher will enroll concurrently in a second student teaching course to fulfill the needs of their dual licensure. Prerequisites: Upper Division Status and completion of all 300 and 400 level education courses. 6 credits.

**ED 445 PRINCIPLES OF VOCATIONAL/TECHNICAL EDUCATION** is intended to provide a context for the understanding of the role of vocational-technical education in American society. Learners are provided the opportunity to examine and make application of social, political and economic influences on the philosophy and practice of vocational-technical education as reflected in both the public sector delivery systems and the private sector training. Prerequisite: ED 370. 2 credits.

**ED 447 STUDENT TEACHING – CROSS-CATEGORICAL SPECIAL EDUCATION- EARLY ADOLESCENCE TO ADOLESCENCE** provides the culminating special education clinical experience for students who will receive a teaching license in CCSE. The setting will provide students with experience in their area of concentration (CD, EBD, or LD). The student teacher will enroll concurrently in a second student teaching course to fulfill the needs of their dual licensure. Prerequisites: Upper Division Status and completion of all 300 and 400 level education courses. 6 credits.

**ED 452 STRATEGIES FOR TEACHING AT-RISK YOUTH:** This course defines the concept of at-risk youth and characteristics of these students. Students will identify appropriate attitudes and strategies that will help them build positive relationships with at-risk students and an appropriate learning environment. Students will explore general issues regarding laws, inclusion, transitions, and suggestions for how teachers modify, accommodate, and adapt their classrooms and instruction for at-risk students, with an emphasis on at-risk adolescents. Prerequisites: Upper Division Status. 3 credits.

**ED 453 EVALUATIVE TECHNIQUES IN EARLY CHILDHOOD SPECIAL EDUCATION** includes the study of standardized and informal assessment tools used in the identification of young children with disabilities. Students will learn appropriate assessment techniques to identify certain behaviors or characteristics indicating developmental delays or at-risk status in the youngest of children. Students will learn to develop, implement, and monitor Individual Education Plans (IEP) and Individualized Family Service Plans (IFSP). Students will also understand the importance of families in assessing and implementing services for young children. Prerequisites: Upper Division Status. 3 credits.

**ED 454 CURRICULUM AND PROGRAM FOR EARLY CHILDHOOD SPECIAL EDUCATION** is designed to provide students with the methods, techniques, and adaptations necessary for programming for children ages 0-8 with disabilities. The course examines how teachers can implement developmentally appropriate practices for children with disabilities in early childhood settings. The course focuses on learning to design and adapt learning environments and materials to support optimal development. A pre-student teaching classroom experience is a part of this course. Prerequisites: ED 457, Upper Division Status. 3 credits.

**ED 455 CHARACTERISTICS AND PROCEDURAL SAFEGUARDS IN SPECIAL EDUCATION:** This course provides an overview of the field of special education including discussions of historical and empirical support for providing special education services, identification, screening, assessment, instructional programming, inclusive practices, family involvement, and service delivery models. This course also introduces students to the legal issues surrounding the education of children with disabilities and the rights of parents in the special education process. Prerequisites: Upper Division Status. 3 credits.

**ED 456 ASSISTIVE TECHNOLOGY FOR INDIVIDUALS WITH SPECIAL NEEDS** teaches students to select and apply assistive technologies for individuals with learning, behavior, sensory, motor and communication disorders. The course emphasizes the evaluation of abilities in relation to environmental demands and curricular adaptations. Students utilize adaptive equipment and/or assistive devices that can be used to ensure the participation of students with disabilities in school and society. Prerequisites: Upper Division Status. 3 credits.

**ED 457 CURRICULAR ADAPTATIONS FOR LEARNERS WITH DISABILITIES** offers a framework for adapting the regular classroom environment and instructional materials to meet the diverse needs of students, including those with disabilities. Curriculum adaptations, instructional modifications, environmental accommodations, and individualized programs are explored as strategies to support students with special needs in the regular classroom. Instructional strategies, planning for diversity in culture and in learning styles, and adaptations of commercial and teacher-made materials are included in the content. Prerequisites: Upper Division Status. 3 credits.

**ED 460 STUDENT TEACHING-PRE-KINDERGARTEN** provides one of three culminating clinical experiences for students who will receive a teaching license for early childhood. The student teacher will enroll concurrently in ED 427 and ED 428. Prerequisites: Upper Division Status and completion of all 300 level education courses. 4 credits.

**ED 461 ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS** provides knowledge of various organizational and administrative structures pertinent to Early Childhood. Emphasis is on policies, regulations, staff development, leadership, managing personnel, budgets, and community resources. Prerequisites: Upper Division Status and ED 359 and ED 465. 1 credit.

**ED 464 FAMILY-SCHOOL INTERACTIONS** studies the relationship between young children, parents, and schools. Course focuses on family structures and social factors that influence the family. Emphasis will be placed upon how schools and families can support each other and how community resources can be used. To be taken after or concurrent with student teaching. Prerequisite: Upper Division Status and ED 359. 2 credits.

**ED 465 CURRICULUM & TECHNIQUES IN EARLY CHILDHOOD II** emphasizes the development of social competence and play in the context of social studies and global awareness. Students discover ways to build responsive classroom communities and develop social studies units and yearly plans integrating all areas of the curriculum. Prerequisites: Upper Division Status; ED 359. 3 credits.

**ED 466 HEALTH AND WELLNESS 0-8 YEARS** studies the integration of health, nutrition and wellness within early childhood settings. A variety of approaches to curriculum content, instructional strategies and resources for teaching will be examined. Prerequisite: Upper Division Status. 1 credit hour.

**ED 467 ART IN EARLY CHILDHOOD** explores the critical importance of visual learning experiences for children preK through 3 grade. Considers the developmental stages of children's drawing, with on designing developmentally appropriate activities and viewing the art process as central to subsequent symbol use and language development. Emphasis on merging theory with practice helps teachers understand what and how to provide for an art activity as well as why. Includes hands-on experience with a variety of art materials appropriate for use in the early childhood classroom. Prerequisites Upper Division Status and ART 110, 141, 142 OR 151. 2 Credits.

**ED 468 SIGN LANGUAGE FOR THE SPECIAL EDUCATOR:** This course will provide communication and learning methods for exceptional children with an emphasis on multi-sensory learning. Exceptional children may require innovative techniques to help them communicate with others and learn developmental skills. American Sign Language will be introduced as a means to develop communication and understanding between children and their families as well as between children and educators. Prerequisites: Upper Division Status. 3 credits.

**ED 469 STRATEGY INTEGRATION FOR AUTISM SPECTRUM DISORDERS:** This course will describe autism spectrum disorders and the characteristics in detail with an emphasis on understanding these characteristics in the context of the students' educational needs. The course will include strategies to incorporate in therapy, home and classroom. A distinction between medical and educational diagnostic models will be made. This course is appropriate for both health professionals and educators. Prerequisites: Upper Division Status. 3 credits.

**ED 474 STUDENT TEACHING SECONDARY** provides one of two culminating clinical experiences for students who will receive a teaching license for secondary education. Students will enroll concurrently. ED 422. Prerequisites: Upper Division Status and completion of all 300 level education courses. 6 credits.

**ED 479 ASSESSMENT AND INSTRUCTION FOR CHILDREN WITH SPECIAL NEEDS** investigates developmentally appropriate purposes, methods and approaches to the effective and efficient assessment of students with disabilities. Students focus on formal and informal assessments in academic, cognitive, communication, physical and adaptive education areas. Students practice with assessment instruments and use them to assess eligibility for Special Education programming and measurement of student progress. Prerequisites: Upper Division Status. 3 credits.

**ED 481 LANGUAGE AND COMMUNICATION DISORDERS** includes analysis of typical language and communication development, language/communication disorders, and the individual needs of persons with communication disorders. Normal language acquisition, cognitive development, and social interactions will be addressed. Students will be able to recognize whether a child's language development is significantly delayed. Alternative modes of communication will be addressed. Prerequisites: Upper Division Status. 3 credits.

**ED 484 EDUCATIONAL/BEHAVIORAL MANAGEMENT IN SPECIAL EDUCATION** is a practical course in individual and group management strategies that stress personal and social responsibilities for students with disabilities. Education students will gain experience providing a nurturing environment, de-escalating potentially disruptive situations, and designing individual and group behavior/management plans through role playing and observation. Students will receive instruction in Functional Behavioral Assessment and Behavior Intervention Plans. 3 credits.

**ED 487 INTERVENTION STRATEGIES IN SPECIAL EDUCATION** Students will modify lessons and practice different instructional strategies necessary for a variety of educational needs of students with disabilities within the regular classroom setting. Methods for supporting and maintaining students with special educational needs in the general education classroom will be explored. Students will understand how to link assessment to service delivery. Topics include eligibility evaluation, programmatic assessment, IFSP/IEP development, intervention and transition planning and implementation in various service delivery settings. Students will have an opportunity to work on skill development through the practicum experience integrated with the course. Prerequisite Upper Division Status, ED 479. 3 credits.

**ED 488 ADVANCED SEMINAR IN EARLY CHILDHOOD ADMINISTRATION** provides an extended opportunity to examine a range of topics in child care legislation and public policy, human resources management, community referral systems, advocacy funding sources, and school age programs. Prerequisite: ED 461. 2 credits.

**ED 489 PRACTICUM IN EARLY CHILDHOOD ADMINISTRATION** provides the opportunity to relate theory to practice in an administrative childcare setting. Placement will be made with a director in a licensed and NAEYC certified childcare. Prerequisite: ED 461. 1 credit.

## ENGLISH

**ENG 094 COLLEGE WRITING FOR INTERNATIONAL STUDENTS** is a developmental course for International students who have successfully completed or tested out of ESL classes but may still have difficulty with college level writing. This course focuses on academic writing, particularly research skills. 3 credits.

**ENG 095 DEVELOPMENTAL ENGLISH I** emphasizes the improvement of written and verbal vocabularies and reading comprehension. In addition, it focuses on the application of basic English grammar usage to improve writing. Required of provisional students. Crosslisted DEV 095. 3 credits.

**ENG 102 BASIC ENGLISH GRAMMAR AND USAGE** is an elementary grammar course that focuses on basic principles of grammar and usage. It is intended for students whose background in grammar is weak, or for students who wish to brush up on their understanding of concepts and terminology. Emphasis is placed on applying principles in written communications and developing proofreading skills. 3 credits.

**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. 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 240 BASIC LINGUISTICS** is an introduction to the elements of linguistics, including a study of the phonetic alphabet and morphology. 3 credits.

**ENG 245 ADVANCED WRITING** 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. 3 credits.

**ENG 300 ADOLESCENT LITERATURE** is a survey of the seven styles of adolescent literature now appearing in print, accompanied by an historical overview of previous (late 19th/early 20th century) young adult literature. The student is asked to read numerous young adult novels within the types and to determine their worth for young reader. Prerequisite: ENG 103. 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. 3 credits.

**ENG 341 AMERICAN LITERATURE I** 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** 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.

**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.

**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 or 245. 3 credits.

**ENG 351 PRACTICUM IN WRITING CONSULTATION** explores composition theory, the critique of writing, collaborative learning, and tutoring philosophies. Students participate in writing consultations and management of the CUW Writing Center. Prerequisite: Writing competence as evidenced by earning an A or a B+ in ENG 104 or ENG 245 or by recommendation of a faculty member. 3 credits.

**ENG 355 MODERN FICTION AND THE TRADITION** examines principle authors and works of this century and studies the historical development of the novel as an aid to understanding the present conventions of the genre. Prerequisite: ENG 103. 3 credits.

**ENG 356 MODERN POETRY AND THE TRADITION** studies twentieth century poetic conventions and contemporary poets in historical perspective. Prerequisite: ENG 103. 3 credits.

**ENG 357 MODERN DRAMA AND THE TRADITION** examines the history and literature of Western drama from Aeschylus and Sophocles to Williams and Pirandello. Prerequisite: ENG 103. Crosslisted THTR 250. 3 credits.

**ENG 358 MODERN NON-FICTION AND THE TRADITION** examines the history and development of the most popular form of contemporary writing. Various modes of non-fiction discourse will be studied: journalism, biography, the essay, and the new non-fiction. Prerequisite: ENG 103. 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 380 MAJOR AUTHORS** focuses on a single author, studying his or her work in depth. The course may be repeated as different authors are studied. 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 405 LINGUISTICS & GRAMMAR** is designed for students involved with the English as a Second Language program. The course analyzes the phonology, morphology, and the syntax of English. It clarifies the differences and similarities between English and other languages. 3 credits.

**ENG 465 SHAKESPEARE** examines the major works of Shakespeare including examples from the comedies, histories, tragedies, and the sonnets. Junior standing. Prerequisite: ENG 103. 3 credits.

**ENG 475 LITERARY CRITICISM** considers premise and methods of criticism. The course will survey the various modern approaches to literature - formalist, genre, archetypal, 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. 1 credit.

## ENGLISH AS A SECOND LANGUAGE

**ESL 301 INTERMEDIATE READING & VOCABULARY** improves the students grasp of the English Language in the areas of vocabulary, comprehension, and speed in reading. Prerequisite: entrance examination taken and consent of the instructor. 4 credits.

**ESL 302 INTERMEDIATE ACADEMIC WRITING** is designed to improve the students' English language abilities in the areas of basic English grammar, sentence structure and paragraph writing. Use of the library is incorporated into this class. Prerequisite: entrance examination taken and consent of the instructor. 4 credits.

**ESL 303 INTERMEDIATE SPEAKING & LISTENING** is designed to improve the students' English language abilities in the areas of listening, speaking, and pronunciation. The use of the media (television, radio, movies, and plays) are important parts of this course. Prerequisite: entrance examination taken and consent of the instructor. 4 credits.

**ESL 321 ENGLISH PRONUNCIATION** assists students in improving their pronunciation and intonation patterns. 1 credit.

**ESL 322 U.S. CULTURE & TRADITIONS** provides information and experiences to acquaint students with American culture. 1 credit.

**ESL 399 TOEFL PREPARATION & ADVANCED GRAMMAR** provides the student an opportunity to practice the elements of the TOEFL and TWE tests: reading, listening, grammar and timed writings. Practicing good test taking techniques and vocabulary building are also important parts of the class. Open to all ESL students. 2 credits.

**ESL 401 ADVANCED READING** presents selected readings from American Literature and non-fiction sources. Readings include poetry, dialogues, novels, fiction, nonfiction, technical. Vocabulary building and novel length readings are also included in the course. Prerequisite: entrance examination taken, consent of the instructor and/or successful completion of ESL 301. 4 credits.

**ESL 402 ADVANCED ACADEMIC WRITING** prepares the student further in his/her writing skills. Students will learn various writing styles and conduct research. Prerequisite: entrance examination, consent of the instructor, and/or successful completion of ESL 303. 4 credits.

**ESL 403 ADVANCED SPEAKING & LISTENING** challenges the student to converse in English during role plays, practice drills, interviewing and debating. The students will also listen to weekly lectures given on a variety of topics by professionals in a given area. Prerequisite: entrance examination, consent of the instructor, and/or successful completion of ESL 302. 4 credits.

## FINANCE / ACTUARIAL SCIENCE

**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: ACCT 201. 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** Technology has now created the possibility and even the likelihood of a global culture. The Internet, fax machines, satellites, and cable TV are sweeping away cultural boundaries. Global entertainment companies shape the perceptions and dreams of ordinary citizens, wherever they live. This spread of values, norms, and culture tends to promote Western ideals of capitalism. Will local cultures inevitably fall victim to this global "consumer" culture? Will English eradicate all other languages? Will consumer values overwhelm peoples' sense of community and social solidarity? Or, on the contrary, will a common culture lead the way to greater shared values and political unity? This course looks at these and other issues of culture and globalization. 3 credits.

**GEOG 246 THE WORLD'S OCEANS** is a study of the chemical, geologic, physical, and biological features of Earth's oceans. Topics covered include the history of oceanography, chemistry and physical properties of sea water, waves, global currents & seas, and submarine morphology. The laboratory component gives students hands-on experience learning the topics covered by the course. Cross-listed (Oceanography) SCI 246. 4 credits.

**GEOG 250 ECONOMIC GEOGRAPHY** is the spatial study of the world's economic development and distribution of goods and services as measured by economic indicators such as per capita income and GNP; global demographics; and cultural patterns. The class is structured on a lecture, research, and presentation basis. The primary contributors to the class will be the students using information from the text and other sources. Prerequisite: GEOG 220 or permission of instructor. 3 credits.

**GEOG 271 THE GEOGRAPHY OF ISRAEL** is a study of the topography, geology, hydrology, climate, forestation, urbanization, land use, transportation and political divisions of ancient Israel. Each region of ancient Israel will be surveyed for its geography. The class will then measure the impact of that geography on biblical events (historical geography) and the impact of that geography upon the narration of those events (narrative geography). Prerequisite: Rel 100 or equivalent experience. 3 credits.

**GEOG 295 THE WORLD'S CLIMATES** provides a physical description of the weather variables (temperature, wind, moisture, pressure, solar radiation, vorticity, etc.) and the relationships that exist among them. This knowledge will be used to explain weather events such as frontal passages, cloud formation, thunderstorms, and tornadoes. This course will also investigate techniques of forecasting future weather events. Cross-listed (Meteorology) SCI 195. 3 credits.

**GEOG 311 PHYSICAL GEOGRAPHY** is an integrated study of the materials & physical features of the earth and the processes that form and shape them. Map skills are also developed. Cross listed SCI 135. 4 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. Crosslisted SCI 256. 4 credits.

**GEOG 367 THE CARIBBEAN: ITS LAND AND PEOPLE** 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: BIO 367 (Caribbean). 3 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.

**GER 201 INTERMEDIATE GERMAN I** reviews of German syntax, morphology and vocabulary with readings in modern German literature. Prerequisite: GER 102 or equivalent. 3 credits.

**GER 202 INTERMEDIATE GERMAN II** puts continued emphasis on the refinement of German grammatical structures, reading ability, writing and conversational skills in German. Reading short stories and essays develops an appreciation of contemporary German Literature and culture. Prerequisite: GER 201 or equivalent. 3 credits.

**GER 301 GERMAN CONVERSATION AND COMPOSITION** provides extensive practice in conversational writing. This course is conducted primarily in the German language. Prerequisite: GER 202 or 4 years of successful high school German.

**GER 306 GERMAN LITERATURE FROM 1750 TO THE 20TH CENTURY** traces the development of German literature from the time of Lessing to the present. High reading comprehension ability in German is essential. Prerequisite: GER 202 or its equivalent. 3 credits.

**GER 307 APPLIED LINGUISTICS** introduces the basic terminology and concepts of linguistics as applied to the German language. It also presents the sound system, morphology, and syntax of German as compared to English and investigates topics in language acquisition. Prerequisite: GER 301. 3 credits.

**GER 331 ADVANCED GERMAN GRAMMAR & COMPOSITION** focuses on the review and syntax of the more difficult grammatical structures of the German language and on writing and conversational skills at the advanced level. Prerequisite: GER 301. 3 credits.

**GER 361 CIVILIZATION & CULTURE OF GERMAN-SPEAKING COUNTRIES** provides an overview of German history and culture from the beginnings to the present. Prerequisite: GER 202. 3 credits.

**GER 365 ISSUES IN CONTEMPORARY GERMANY** provides students with an opportunity to explore the issues that face a reunified German society. Prerequisite: GER 202. 2-3 credits.

## GRAPHIC DESIGN

**GD 100 DIGITAL DESIGN FUNDAMENTALS** Students become familiar with digital design communication strategies by exploring a variety perceptual and conceptual problems with Adobe Photoshop, Illustrator, iLife and other software as deemed appropriate by the instructor. Fulfills creative arts requirement in the Elective Core; no prior experience with course software is required. Studio Fee. 3 credits.

**GD 110 GRAPHIC DESIGN I** is geared for the specific needs of graphic design and communication majors. Adobe Illustrator, InDesign and the Macintosh computing platform are introduced as the industry standard tools for professional communication design. All Students become proficient with the software tools, a range of design strategies, and basic digital prepress concepts. Graphic Design students acquire skills needed for MIAD coop coursework. Prerequisite: recommended for Graphic Design, Communication and art majors only. Studio Fee. 3 credits.

**GD 111 GRAPHIC DESIGN II** is geared for the specific needs of graphic design and communication majors. Adobe Photoshop, iLife and the Macintosh computing platform are introduced as the industry standard tools for professional communication design. All Students become proficient with the software tools, a range of design strategies, and basic digital prepress concepts. Graphic Design students acquire skills needed for MIAD coop coursework. Prerequisite: recommended for Graphic Design, Communication and art majors only. Studio Fee. 3 credits.

**GD 360 WEB DESIGN I** introduces students to the practical aspects of web design techniques and technology. Provides basic understanding of the major applications used in commercial website design (including but not limited to Adobe Photoshop/Image Ready, Dreamweaver and Flash) and the integration of these applications into the workflow of site design, from the initial concept to final execution. Studio Fee. 3 credits.

**GD 361 WEB DESIGN II** building on basic skills developed in Web Design I, students gain increased familiarity with the standard applications of web design (Photoshop/Image Ready, Dreamweaver and Flash), interweaving them to create a more advanced web experience. Overall focus centers on design, but students will also learn more intricate coding. Key topics include Cascading Style Sheets (CSS), JavaScript (JS), Extensible Hypertext Markup Language (XHTML), Application Development (with PHP scripting and MySQL databases) and ActionScripting in Flash. Prerequisite: Web Design I. Studio Fee. 3 credits.

**GD 460 GRAPHIC OUTLOOK I** leverages advanced layout and design techniques for electronic and print media. Graphic Outlook students utilize a variety of software including but not limited to Adobe Creative Suites, Macromedia, iLife, iWork and Microsoft Office to solve real world design problems. Includes experience in prepress and client interface. Consent of instructor required. Studio Fee. 3 credits.

**GD 461 GRAPHIC OUTLOOK II** provides continued instruction in advanced layout and design for electronic and print media. Students utilize advanced software such as, Adobe Creative Suites, Macromedia, iLife, iWork and Microsoft Office work to create a professional portfolio and begin to develop a client base. Prerequisite: Graphic Outlook I. Studio Fee. 3 credits.

**GD 462 GRAPHIC OUTLOOK III** Prerequisite: Graphic Outlook Studio Fee. 3 credits.

**GD 463 GRAPHIC OUTLOOK IV** Prerequisite: Graphic Outlook Studio Fee. 3 credits.

## GREEK

The courses in Greek aim to acquaint the student with the language and literature, culture and thought of the ancient Greek civilization and of the New Testament world.

**GRK 201 GREEK I** presents elements of vocabulary, morphology, and syntax with a reading of simple Greek prose. 3 credits.

**GRK 202 GREEK II** is a continuation of vocabulary, morphology, and syntax with a reading of simple Greek prose. Prerequisite: GRK 201. 3 credits.

**GRK 303 GREEK III** allows the student to continue a study of fundamental Greek grammar while at the same time beginning to translate portions of John's Gospel. Further exercises include exegetical research, word studies, and cross-references. Prerequisite: GRK 202. 3 credits.

**GRK 304 GREEK IV** allows the student to study various sections of the Gospel of Matthew in the original Greek. Following the study of the original, further exercises would include exegetical research, word studies, and cross-references. Prerequisite: GRK 303. 3 credits.

**GRK 401 LUKE AND THE SEPTUAGINT** will study selected readings of the Greek Old Testament as they relate to the New Testament. Each student will study a variety of Old Testament texts in the Septuagint which are related to the Gospel of Luke in particular. Following the study of the original, further exercises include exegetical research, word studies, and cross-references. Prerequisite: GRK 304. 3 credits.

**GRK 402 NEW TESTAMENT AND THE SEPTUAGINT** will study large sections of 1 Corinthians and other select texts with a focus on how the Apostle Paul interprets the Old Testament texts. Following the study of the original, further exercises include exegetical research, word studies, and cross-references. Prerequisite: GRK 401. 3 credits.

**GRK 414 EPIC POETRY** studies selected readings of the Greek poets Babrius, Hipponax, Homer, Euripides, and Sophocles, with readings progressing from the relatively easy to the more difficult. Prerequisite: GRK 304. 3 credits.

**GRK 420 GREEK READINGS: CHURCH FATHERS** allows the student to study various sections of the Church Fathers. Selected passages from the Church Fathers will be translated in clear, typewritten, polished, contemporary English idiom. Prerequisite: GRK 304. 3 credits.

## HEALTH AND HUMAN PERFORMANCE

**HHP 100 INTRODUCTION TO LIFETIME FITNESS** is an exposure to a variety of lecture and laboratory programs designed to give the student insights into the nutritional, physical activity and physiological values of activity. 1 credit.

**HHP 105 THE WELLNESS PROGRAM** introduces the student to nutritional and activity related information to foster a healthy lifestyle. This course fulfills the HHP 100 and activity requirement of the core. 2 credits.



**HHP 119 DANCE** introduces the student to a variety of popular and traditional cultural dances.

**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. Prerequisite: HHP 100. 1 credit.

**HHP 121 BEGINNING TENNIS** introduces the student to the basic ground strokes of tennis, develops an elementary serving skill and familiarizes the student with the basic rules of the sport. Prerequisite: HHP 100. 1 credit.

**HHP 122 BADMINTON** introduces the student to singles and doubles strategies along with developing serving style and basic strokes. Prerequisite: HHP 100. 1 credit.

**HHP 124 AEROBICS** is designed to expose the student to a variety of different aerobic activities, help the student understand how to structure these activities to meet personal fitness goals, and assist the student in becoming more aware of the experiential nature of aerobic activity. Prerequisite: HHP 100. 1 credit.

**HHP 125 GOLF** introduces the grip, stance, and swinging pattern designed for successfully striking the golf ball. The putting stroke along with club selection, rules, and proper etiquette are also explained. Prerequisite: HHP 100. 1 credit.

**HHP 126 ARCHERY** introduces the student to the equipment and shooting procedures used in archery. Safety is stressed as students attempt to become skilled in this unique sport. Prerequisite: HHP 100. 1 credit.

**HHP 129 BOWLING** introduces the approach, release, and delivery for satisfactory participation in the recreational sport of bowling. Scoring, strike adjustment systems, and spare conversion techniques are also presented. Prerequisite: HHP 100. 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. Prerequisite: HHP 120 or consent of instructor. 2 credits.

**HHP 131 SOCCER** introduces the student to offensive and defensive skills needed to play soccer successfully. Dribbling, passing, shooting, heading, feinting, guarding, and goal keeping are among the skills covered. Prerequisite: HHP 100. 1 credit.

**HHP 132 BASKETBALL** develops a student's basic offensive and defensive skills. Basic team concepts are developed along with an increased awareness of rules and strategies. Prerequisite: HHP 100. 1 credit.

**HHP 133 BEGINNING VOLLEYBALL** is an entry level course, which emphasizes the development of basic volleyball skills and team systems. Attention is also given to the history and rules of volleyball. Prerequisite: HHP 100. 1 credit.

**HHP 134 SOFTBALL** is designed to develop and refine throwing, catching, fielding, hitting and baserunning skills. Rules and strategies for slow pitch softball are also covered. Prerequisite: HHP 100. 1 credit.

**HHP 145 RUNNING FOR FITNESS** will meet formally once a week to discuss training, nutrition, strategy, injury prevention and treatment and other performance-based topics. In addition, students in this course will be introduced to literature related to the sport—fiction and non-fiction, technical and philosophical, for regular discussion. Along with formal classroom sessions, students will join faculty for regular training runs to build up toward the targeted goal. Prerequisite: HHP 100. 1 credit.

**HHP 149 WELLNESS BOOT CAMP** introduces the student to nutritional, physical, and mental activities for lifetime wellness and fitness. 1 credit.

**HHP 160 WALKING FOR WELLNESS** is designed to utilize walking for fitness development, stress reduction, and personal wellness. Prerequisite: HHP 100. 1 credit.

**HHP 161 OUTDOOR ADVENTURE I: KAYAK/CANOE** is designed to give students the basic skills and information needed to successfully and safely participate in the sport of kayaking and canoeing. Students will be given hands-on opportunities in the various skills and techniques of kayaking and canoeing. Topics to be covered are: safety, paddle strokes, personal equipment, basic map reading, and river reading. 1 credit.

**HHP 162 OUTDOOR ADVENTURE II: ROCK-CLIMBING/RAPPELLING** is designed to give students the basic skills and information needed to successfully and safely participate in the sport of rock-climbing and rappelling. Students will be given hands-on opportunities in the various skills and techniques of rock-climbing and rappelling. Topics to be covered are: types of ropes, knot(s), webbing, anchors, edge protections, personal equipment, figure 8 descenders, and accompanying hardware necessary for safe sport participation. 1 credit.

**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 165 CYCLING** is designed to introduce the student to cycling as a form of aerobic exercise. Basic care and maintenance of equipment, safety, and riding techniques will be covered as well as the relationship between cycling and wellness. Prerequisite: HHP 100. 1 credit.

**HHP 166 HIKING** introduces the student to the basic skills, nutritional demands, and safety aspects of hiking. 1 credit.

**HHP 167 STUNTS AND TUMBLING** introduces students to introductory and intermediate level tumbling skills such as forward, shoulder, backward, and log rolls, cartwheels, round-offs, and neck springs. Balances such as tripod, elbow, head, and hand will also be learned along with simple stunts. Spotting techniques and safety measures will also be emphasized. 1 credit. Must be a physical education major and enrolled in HHP 208 simultaneously.

**HHP 168 PICKLEBALL** introduces students to basic skills and concepts of pickleball. This recreational activity course will include beginning skills, rules, and strategies of play. Singles and doubles play will be utilized. 1 credit.

**HHP 171 INTRODUCTION TO EXERCISE SCIENCE** introduces students to the field of exercise science and the Department of Health & Human Performance at Concordia University Wisconsin. The fields of athletic training, exercise physiology, health education and physical education are covered as students receive an overview of each field for the first seven weeks. The second seven weeks are used to give students the opportunity to investigate through clinical experiences the nature and scope of their particular field of interest. 1 credit.

**HHP 205 FIRST AID AND EMERGENCY PROCEDURES** will prepare students to make appropriate decisions regarding first aid care and to act skillfully on those decisions. Students will be given the opportunity to take the American Red Cross Certification Examinations for both Community CPR and Standard First Aid. Students will also address special concerns in the athletic population such as equipment removal, stabilization, and airway management. First Aid and Emergency Procedures Lab will allow students the opportunity to practice first aid and CPR skills in a controlled environment and to make life-saving decisions on practice mannequins. Students will also perform carries and transportation techniques on suspected spine-injured victims. 3 credits.

**HHP 208 DEVELOPING TEACHING SKILLS IN PHYSICAL EDUCATION** introduces physical education majors to basic knowledge, concepts and skills of teaching. National, State and local standards and teaching practices are introduced. Concepts related to best practice teaching (e.g., unit and lesson plan development, skill level analysis, appropriate feedback) are explored. This course serves as a pre-requisite to all "teaching courses" within the Physical Education Major program. 2 credits.

**HHP 209 FIRST AID AND CPR** 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** includes instruction in methods, skills, knowledge and procedures for performing and teaching various dance forms and dance related activities such as folk, square, ballroom, and line dancing. Teaching progressions, music selection, and class organization will be emphasized. Rhythms and current trends will be included. Teaching opportunities in a clinical setting will also be required. Prerequisite: HHP 171, HHP 208. 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. Prerequisite: HHP 171, HHP 208. 3 credits.

**HHP 260 SCHOOL, FAMILY AND COMMUNITY HEALTH** seeks to provide participants with a greater understanding of the factors that contribute to individual and societal health. Current health status, health behavior trends and health decisions are discussed and correlated as actions that may reduce risk of disease. Participants will also integrate themselves into the community to learn and share more about health care providers. 3 credits.

**HHP 265 HEALTHY LIFESTYLES** focuses on the knowledge and skills that are essential to preventing or delaying various health problems. Emphasis will be placed on preventing cardiovascular disease, diabetes and cancer. The information presented and the activities experienced will assist the students in making educated decisions regarding healthy behavior patterns. 3 credits.

**HHP 272 INTRODUCTION TO ATHLETIC TRAINING** is designed to give the student an understanding of the field of athletic training and to develop knowledge, skills, and values of the various components related to the athletic training profession. 3 credits.

**HHP 273 INTRODUCTION TO ATHLETIC TRAINING LAB** is designed to give the student the opportunity to practically apply various skills related to the athletic training profession. To be taken in conjunction with HHP 272. 0 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** introduces students to various psychological tools and techniques designed to help athletes reach their potential. This course covers assessment strategies, trends and measurement techniques. It provides students with strategies for assisting athletes to perform well. 3 credits.

**HHP 281 THEORIES AND TECHNIQUES OF COACHING SOFTBALL** provides students with the theoretical and philosophical information necessary for the successful coaching of softball as well as skill analysis, drill development, tactics, strategies and other coaching techniques. 2 credits.

**HHP 282 THEORIES AND TECHNIQUES OF COACHING BASKETBALL** provides students with the theoretical and philosophical information necessary for the successful coaching of basketball as well as skill analysis, drill development, tactics, strategies and other coaching techniques. 2 credits.

**HHP 284 THEORIES AND TECHNIQUES OF COACHING FOOTBALL** provides students with the theoretical and philosophical information necessary for the successful coaching of football as well as skill analysis, drill development, tactics, strategies and other coaching techniques. 2 credits.

**HHP 286 THEORIES AND TECHNIQUES OF COACHING TRACK AND FIELD** provides students with the theoretical and philosophical information necessary for the successful coaching of track and field. Event analysis, training theory, individual and team strategies and other coaching techniques are covered. 2 credits.

**HHP 287 THEORIES AND TECHNIQUES OF COACHING SOCCER** provides students with the theoretical and philosophical information necessary for the successful coaching of soccer as well as skill analysis, drill development, tactics, strategies and other coaching techniques. 2 credits.

**HHP 288 THEORIES AND TECHNIQUES OF COACHING VOLLEYBALL** provides students with the theoretical and philosophical information necessary for the successful coaching of volleyball as well as skill analysis, drill development, tactics, strategies and other coaching techniques. 2 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 290 THEORIES AND TECHNIQUES OF COACHING WRESTLING** provides students with the theoretical and philosophical information necessary for the successful coaching of wrestling. Execution and analysis of moves, drill development, tactics, strategies and other coaching techniques are covered. 2 credits.

**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 270/272 or BIO 275/276 or BIO 280/282 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 270/272 or BIO 275/276 or BIO 280/282. 2 credits.

**HHP 342 NUTRITION FOR WELLNESS AND PERFORMANCE** introduces the student to the principles of nutrition for wellness. It emphasizes the importance of good nutrition to promote a healthy lifestyle, enhanced performance, prevent injury and foster wellness throughout life. Real world application is emphasized. Environmental concerns, hunger, and consumerism are also discussed. 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 270/271, and BIO 272/273. 2 credits.

**HHP 355 TEACHING CORE ACTIVITIES III – METHODS, SKILLS AND ACTIVITIES** includes instruction in theories, techniques, and progressions of various sport activities. Students will be given the opportunity to practice-teach in a variety of physical activities and lifetime sports. Unit and lesson plans will be completed. Teaching methodologies, skill progressions, authentic assessment and developmentally appropriate content material will be addressed. Prerequisite: HHP 171; HHP 208. 3 credits.

**HHP 356 - TEACHING CORE ACTIVITIES IV – METHODS, SKILLS AND ACTIVITIES** focuses on the development of teaching methods and pedagogies of a variety of sports and activities within a physical education environment. Particular attention will be paid to analysis of skill execution and use of cues. Teaching knowledge, progressions and skills which cut across activities will be addressed. Lesson and unit plan development will be emphasized with a focus on authentic assessment techniques. Prerequisites: HHP 171; HHP 208; HHP 355. 3 credits.

**HHP 361 TECHNOLOGY IN HEALTH AND HUMAN PERFORMANCE** will show students how to incorporate technology into the classroom, gymnasium, recreation venues and related health facilities. The course will give students the opportunity to access, use, interpret, utilize and evaluate various sources of information technology. Concepts related to best practice teaching (e.g., unit and lesson plan development, application of technology to assist in fitness assessment, lifelong activity engagement, and individual wellness pursuits) are explored. 3 credits.

**HHP 371 EXERCISE PHYSIOLOGY** involves the application of anatomical and physiological processes to human movement, physical performance and rehabilitation. Prerequisites: BIO 275 and/or BIO 276. Primarily for Physical Education majors. 3 credits.

**EXPH 371 EXERCISE PHYSIOLOGY** involves the application of beginning and more advanced anatomical and physiological processes to human movement, physical performance and rehabilitation primarily for Athletic Training and Exercise Physiology majors.. Prerequisites: BIO 270 or BIO 276; BIO 272 or BIO 278. Primarily for Athletic Training majors. 3 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 270/272 or BIO 275/276 or BIO 280/282. 3 credits.

**HHP 373 MOTOR DEVELOPMENT** focuses on developmental principles as they apply to movement and are influenced by the maturational process. An integrative approach will be used emphasizing the role of movement and physical activity in an individual's total growth and development from birth through adulthood. Youth sport will also be studied. 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 375 BIOMECHANICS** provides students with an understanding of mechanical principles such as force, inertia, momentum, and friction. Students will have the opportunity to apply these principles to various movement, rehabilitation and skill activities. Prerequisites: BIO 270 or BIO 275; BIO 272 or BIO 276. 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 270/272 or BIO 275/276 or BIO 280/282, 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 381 CURRICULUM AND METHODS OF TEACHING SECONDARY HEALTH AND PHYSICAL EDUCATION** introduces the student to a variety of physical education concepts, pedagogical practices and age-appropriate activities for teaching physical education and health in secondary schools. Concepts, teaching methods, curriculum development and authentic assessment strategies introduced in previous courses will be expanded upon. Opportunities to apply and put educational theory into practice will be provided. Students will "practice teach" in both the classroom and the gymnasium. They will create materials needed as a future teacher. Prerequisites: HHP 171, HHP 167, HHP 208, HHP 250, HHP 254, HHP 355, and HHP 356. 3 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 404 CURRICULUM AND METHODS OF TEACHING ELEMENTARY HEALTH AND PHYSICAL EDUCATION** introduces the student to a variety of physical education concepts, pedagogical practices and age appropriate activities for teaching physical education to elementary-aged children. The course focuses upon best practice principles and authentic assessment techniques as applied in the physical education setting. Students are given teaching opportunities in a variety of activities and clinical settings. Prerequisites: HHP 171, HHP 167, HHP 208, HHP 250, HHP 254, HHP 355, and HHP 356. 3 credits.

**HHP 407 PROFESSIONAL FOUNDATION OF PHYSICAL EDUCATION AND SPORT** introduces the student to the fundamental knowledge, concepts and principles of sport. The history, social, ethical, psychological, and cultural interactions and interrelatedness of a variety of peoples upon sport, physical education and physical activity are explored. This is a capstone course that requires the design, writing and presentation of a "special topic" of the student's choice in the form of a written and oral presentation. Prerequisites: HHP 171, HHP 167, HHP 208, HHP 250, HHP 254, HHP 355, and HHP 356. 3 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 270/272 or BIO 275/276 or BIO 280/282, BIO 272/273, HHP 371 and HHP 342. 3 credits.

**HHP 410 MEASUREMENT AND EVALUATION IN HEALTH AND PHYSICAL EDUCATION** focuses on assessment techniques in health and physical education. This course discusses and provides methods for creating appropriate assessments, models for performance-based assessments, authentic assessments, and instruction for administering skill and fitness tests. Test construction will be examined. Students will develop a battery of assessment tools, intended for use at the elementary, middle, and high school levels. 3 credits.

**HHP 412 ADAPTED PHYSICAL EDUCATION** includes the study of those conditions and unique needs of the special needs child in the physical education environment. This course provides the student with knowledge of specific disabilities and impairments as they relate to a physical education and recreational setting. Concepts of inclusion and least restricted environments are presented. Teaching techniques, progressions and program modifications are reviewed for various environmental situations. This course works in conjunction with HHP 450. Prerequisite: ED 230. 3 credits.

**HHP 414 WOMEN IN SPORT** is designed to critically analyze the structure and relationship of women in sport. The primary focus will be women in sports in the United States. However, when possible and relevant the course will refer to women and sport in other societies. Areas that will be investigated include: gender issues; a historical perspective; government policy; institutionalization of women's sport; psychological perspectives; economics of sports and women; and changing times-issues and controversies. Recommended juniors and seniors. 3 credits.

**HHP 428 MOVEMENT SKILLS IN EARLY CHILDHOOD** familiarizes the student with the reflective approach to teaching skill themes and movement concepts. Students will gain an understanding of the techniques involved in skillfully teaching the fundamental motor skills to young children and learn to apply this knowledge in a clinical setting. 2 credits.

**EXPH 442 EXERCISE TESTING AND PRESCRIPTION** 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. Additional lab time required. Prerequisite or co requisite: HHP 371. 4 credits.

**HHP 450 CURRICULUM AND METHODS OF HEALTH EDUCATION** introduces the student to general principles and methods of teaching health education. Emphasis will be placed upon pedagogy, application of appropriate materials, teaching aids, and evaluating effective health resources. 3 credits Prerequisites: HHP 100 or 105, HHP 260, and HHP 265.

**HHP 460 INTERNSHIP** is designed to expose the student to various aspects involved with health care and rehabilitation. 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 supervising professional deems appropriate. 3-6 credits.

**EXPH 460 INTERSHIP FOR EXERCISE PHYSIOLOGY** 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.

**EXPH 470 EXERCISE PHYSIOLOGY** Fall semester course of the EXPH 470/471 sequence. Involves the application of beginning and more advanced anatomical and physiological processes to human movement, physical performance and rehabilitation. Prerequisites: BIO 270/272, or BIO 275/276, or BIO 280/282. Primarily for Exercise Physiology majors. 4 credit hours.

**EXPH 471 ADVANCED EXERCISE PHYSIOLOGY** is an in-depth look at the acute and chronic adaptations of the body to physical stress. Energy metabolism, cardiorespiratory physiology, endocrine physiology, and body composition analysis are some of the areas of emphasis in the course. Laboratory participation involving maximal oxygen consumption testing, body composition analysis, blood lactate analysis, spirometry, and submaximal aerobic capacity tests is expected of all students. Prerequisite: EXPH 470. 4 credits.

**EXPH 475 SEMINAR IN EXERCISE PHYSIOLOGY** 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.

**EXPH 480 PROGRAM DESIGN AND APPLICATION OF STRENGTH AND CONDITIONING PRINCIPLES** will examine the various anatomical and physiological aspects associated with strength and conditioning. A detailed analysis of skeletal muscle physiology will be presented during the first part of the course. The students will have opportunities to analyze and design a strength and conditioning program for athletes from various sports or for individuals with special needs. Prerequisites: HHP 100, HHP 120, HHP 130 or HHP 371. 3 credits.

**HHP 489 PRACTICUM IN ADAPTIVE PHYSICAL EDUCATION** introduces the student to a clinical experience with an adaptive cohort. Must be taken simultaneously with HHP 412. 0-1 credits.

**HHP 490 PRACTICUM IN COACHING** is designed to give the student-coach an opportunity to gain field experience by working with a community sports program under the direction and guidance of an experienced coach. Taken after all other coaching courses are completed. 1-3 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.

**EXPH 494 EXERCISE AND CHRONIC DISEASE** is intended to examine the characteristics, physiological responses, and exercise adaptations of individuals with select chronic diseases. Includes Parkinson's disease, cardiopulmonary abnormalities, multiple sclerosis, cancer, and metabolic disease/disorders. Emphasis will be on basic pathophysiology plus exercise limitations, responses, and adaptations for each disease state. Prerequisite: HHP 442. 3 credits.

**EXPH 495 SENIOR SEMINAR IN EXERCISE PHYSIOLOGY** 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** presents the elementary elements of biblical Hebrew with an introduction to vocabulary, morphology and syntax. At the conclusion of this course, students will have the ability to read elementary Hebrew prose. 3 credits.

**HEB 302 HEBREW II** advances the student's competence with biblical Hebrew by involving the student in a more advanced study of vocabulary, morphology and syntax. Special emphasis will be given to the verbal system. At the conclusion of this course, students will be able to translate basic narratives of the Old Testament. Prerequisite: HEB 301. 3 credits.

**HEB 401 HEBREW III** is a Hebrew reading course that reads selected passages from the narrative portions of the Torah. Along with this reading, students develop their skills with the Hebrew weak verb system and further develop their vocabulary skills.. Prerequisites: HEB 302. 3 credits.

**HEB 402 HEBREW IV** is a Hebrew reading course that reads selected passages from the narrative, legal and poetic portions of the Old Testament. Along with this reading, students further develop their verb identification skills and vocabulary skills. Students will also learn about the history of the Hebrew Bible, the Masoretic tradition, and lower text criticism. Prerequisites: HEB 401. 3 credits.

## HISTORY

**HIST 103 WORLDVIEWS: 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** is a survey of the history of the United States from pre-Columbian America to the present. It will explore political, ideological, social and religious changes that have occurred in the American story. 3 credits.

**HIST 163 NON-WESTERN WORLD** is a survey of the peoples and cultures of Africa, Asia, the Middle-East, the Pacific Rim, and pre-Columbian 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 denominations of the modern era. Major events, doctrinal developments and distinctions. key figures and problems will be emphasized. Prerequisite: HIST 103. 3 credits.

**HIST 215 THE CIVIL WAR** explores the period 1861-65 when the country was rent apart by the most divisive war in American history, the war which has done the most to define American political, economic, and social realities. Taught as a telecourse. Crosslisted AL 262. 3 credits.

**HIST 221 THE ANCIENT WORLD** examines the major cultures of the ancient Near East from the earliest times to development of Archaic Greece and offers a backdrop to the world of the Old Testament. Fulfills core cross-cultural requirement. Prerequisite: HIST 103. 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. 3 credits.

**HIST 243 MODERN AFRICA** examines the political, economic, social & ethnic issues confronting contemporary Africa. Among the historical issues explored in the course includes the Atlantic slave trade, 19th century imperialism, colonialism, post-war decolonization, ethnic conflicts, AIDS and globalization. Prerequisite: HIST 103. 3 credits.

**HIST 246 HISTORY OF JAPAN** is an introduction to the history of Japan, emphasizing Japan's distinctive cultural, spiritual, political, educational, artistic, and social life. The antecedents of modern Japan are traced from ancient and feudal times. A comparison and contrast is made between the cultures of Japan and the United States. Fulfills core cross-cultural requirement. Prerequisite: HIST 103. 3 credits.

**HIST 250 MODERN MIDDLE EAST** surveys the rise and disintegration of the Ottoman Empire as well as 20th-century developments in the Middle East, with particular emphasis on the Arab-Israeli conflict. Prerequisite: HIST 103. 3 credits.

**HIST 277 BYZANTIUM** offers an overview of the history of the Byzantine Empire, starting with the division of the Roman Empire into Eastern and Western halves by the Emperor Diocletian to the fall of Constantinople, the capital of the Byzantine Empire, to the Ottoman Turks in 1453. Political, cultural, religious and social aspects of the Empire will be surveyed and Byzantium's relations with various regions, particularly Western Europe, the emerging Russia, and the Islamic world will be emphasized. Prerequisite: HIST 103. 3 credits.

**HIST 284 IMPERIAL CHINA** explores China's ancient history. It also introduces students to ancient Chinese culture through a number of cultural activities. Fulfills core cross-cultural requirement. Prerequisite: HIST 103. 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. 3 credits.

**HIST 309 EARLY AMERICA: 1492-1787** examines the early heritage of the U.S. 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: 100-level history course. Prerequisite: HIST 103. 3 credits.

**HIST 322 THE CLASSICAL WORLD** surveys the history of Classical Greece, the Hellenistic World, Ancient Rome, and early Christianity with emphasis upon social, political, economic, and cultural interrelationships. Prerequisite: HIST 103. 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. 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. 3 credits.

**HIST 352 UNITED STATES AS A WORLD POWER, 1920-PRESENT** is a study of the political, economic, social, and intellectual development of the U.S. since World War I. Several important events and representative figures of the period will be studied in depth. Prerequisite: HIST 103. 3 credits.

**HIST 356 THE MIDDLE AGES** surveys the political, economic, religious, and social development of Europe from the decline of the Roman Empire through the 14th century. Prerequisite: HIST 103. 3 credits.

**HIST 358 EARLY MODERN EUROPE** presents an overview of European history from the 14th century, starting with the Italian Renaissance, to around 1700, with such events as the Glorious Revolution in England and Louis XIV's wars. The course emphasizes the major events, figures, and themes, and their political, social economic and cultural contexts, or early modern Europe. Prerequisite: HIST 103. 3 credits.

**HIST 364 AMERICAS** explores the twentieth-century history of Central and South America and the Caribbean in a multidisciplinary fashion. Crosslisted with AL 364. Fulfills core cross-cultural requirement. 3 credits.

**HIST 380 AMERICAN REPUBLIC, 1788-1860** studies the history of the U.S. from Washington's administration to the Civil War, exploring the political, economic, social, and intellectual growth of the nation. Prerequisite: HIST 103. 3 credits.

**HIST 385 HISTORICAL METHODS** is an introduction to the nature and theory of history through the study of past developments in historical research and writing. Prerequisite: HIST 103. Offered Fall semester only. 3 credits.

**HIST 387 FIELD EDUCATION IN HISTORY** offers various opportunities for students for practical experience in the field of History. They may either serve as a student mentor for HIST 103 or they may study and work with the Wisconsin Historical Society or some other agency. Student interns will work under the supervision of a faculty supervisor. Prerequisite: HIST 103. 3-6 credits.

**HIST 392 HOLY ROMAN EMPIRE** offers an overview of the history of the Holy Roman Empire from its establishment in the 10th Century to its dissolution in 1806. The course will focus on the dynastic families (especially the Habsburgs, Hohenzollerns, and Wittelsbachs) who were preeminent in the Empire's history. The course features a trip to Europe to visit several imperial cities. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

**HIST 420 NATIONAL HISTORY** examines the history of a specific European country (England, France, 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. 3 credits.

**HIST 463 TOPICS IN WESTERN HISTORY** provides the students 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. 3 credits.

**HIST 464 TOPICS IN AMERICAN HISTORY** provides the students the opportunity to explore a theme or question in American history in an in-depth fashion in a seminar-style course. Prerequisite: HIST 103. 3 credits.

**HIST 465 TOPICS IN GLOBAL HISTORY** provides the students 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. 3 credits.

**HIST 466 THE AMERICAN IDEA** surveys the intellectual history of the U.S. as it intersected with American society, from the Puritans to the recent conservative movement. Prerequisite: HIST 103. 3 credits.

**HIST 475 THE REFORMATIONS** focuses on the Reformations of 16th-century Europe and the medieval backdrop of these movements. This course emphasizes reading of primary sources in an attempt to understand the theological issues and the positions of the main figures involved. The course also covers specific issues involved with the religious discussions and reforms: education, law, resistance theory, cities in the Reformation, confessionalization, development of religious toleration, role of women. Prerequisite: HIST 103. 3 credits.

**HIST 480 HISTORY INTERNSHIP** provides the student with the opportunity to engage in an advanced research project. The student will work under the supervision of a faculty advisor. Prerequisite: HIST 103 and HIST 385. 3-6 credits.

**HIST 490 SENIOR HISTORY SEMINAR** is a culminating undergraduate experience in which the student will study history by researching, writing, and presenting a piece of original historical work. Prerequisite: HIST 385 or consent of the instructor. Offered Fall and Spring semesters. 3 credits.

## CRIMINAL JUSTICE AND PUBLIC POLICY

**JPP 101 AMERICAN GOVERNMENT** studies the basic foundations and underlying principles of American national, state, and local government. Crosslisted POLS 201. 3 credits.

**JPP 102 INTRODUCTION TO LAW ENFORCEMENT** studies the history, philosophy and functions of local police department, country 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, biophysiological and free will theories. 3 credits. (Crosslisted SOC 151)

**JPP 104 INTRODUCTION 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.

**JPP 110 JUVENILE THEORY** studies the organizations, functions and jurisdiction of juvenile justice agencies along with the theories and causations of juvenile crime and antisocial behavior. 3 credits.

**JPP 206 INTRODUCTION 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 INVESTIGATION** studies the criminal investigation process including interviewing, crime scene analysis, collection of evidence, and analysis of issues critical to investigations. 3 credits.

**JPP 288 TERRORISM** will introduce students to the phenomena of contemporary terrorism and extremism. Emphasis will be placed on extremism as a foundation for terrorist behavior, types of terrorism, and how governments and law enforcement agencies respond to terrorism. 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** studies the psychological theories of crime causation and the impact of the use of psychology on the Legal System. Crosslisted PSY 331. 3 credits.

**JPP 312 FORENSIC SCIENCE** studies the scientific aspects of crime investigation. 3 credits.

**JPP 313 ORGANIZED CRIME** studies the history, structure and operations of organized crime. 3 credits.

**JPP 399 CRIMINAL JUSTICE INTERNSHIP** provides an opportunity to exercise in a practical manner, the skills, knowledge and responsibilities of a criminal justice practitioner. 3-6 credits.

**JPP 400 LAW ENFORCEMENT CERTIFICATION PRACTICUM** offers the JPP junior or senior the opportunity to attend any state certified law enforcement training certification academy. 40 clock hours of training equals one college credit. Limit 21 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** studies the many ethical problems and dilemmas confronted by the criminal justice professional. 3 credits.

**JPP 416 CAREERS IN CRIMINAL JUSTICE** presents the numerous career opportunities in the field of criminal justice. 3 credits.

## LATIN

**LAT 105 LATIN I: BASIC GRAMMAR & VOCABULARY** provides a foundation in elementary Latin grammar and vocabulary. The class provides the framework for a deeper understanding of English, through the study of Latin models. In addition to grammar and vocabulary study in *Wheelock's Latin*, the class also reads Livy's *Early History of Rome* (in English translation) to explore the beginnings of the Roman culture. No previous study, or knowledge of Latin is assumed for this course. 3 credits.

**LAT 106 LATIN II: BASIC GRAMMAR & VOCABULARY** is a continuation of LAT 105, concluding the Wheelock grammar text, and reading further into Livy's cultural history of Rome. The students of LAT 106 will have an increased awareness of the reason for many of the rules governing standard English, as well as a firm foundation in the noble Latin language. Prerequisites: LAT 105 or approval of instructor. 3 credits.

**LAT 205 INTERMEDIATE LATIN I** reviews and builds upon the vocabulary and grammar introduced in LAT 105 and LAT 106. The emphasis shifts to the translation of specific passages from Roman authors. The course introduces a more intensive study of language itself, discrete from a continuing comparative study of Latin's relationship to English. Prerequisites: LAT 106 or approval of instructor. 3 credits.

**LAT 206 INTERMEDIATE LATIN II** is a continuation of LAT 205. The student translates more complex passages, and is introduced to various difficult idioms of the Latin language usually associated with poetic structure. The course compares and contrasts the syntactic and linguistic Latin styles of various Roman authors. Prerequisites: LAT 205 or approval of instructor. 3 credits.

**LAT 305 READING IN LATIN I** is designed for the student who is comfortable with translating Latin poetry and prose into English. Representative authors for this class include Caesar, Catullus, Livy, Sallust, and Tacitus. The student also sees how these authors have influenced the culture of not only their own world, but of the present age. Prerequisites: LAT 206 or approval of instructor. 3 credits.

**LAT 306 READING IN LATIN II** is a continuation of LAT 305, and is designed for the student who is comfortable with translating Latin poetry and prose into English. Representative authors for this class include Caesar, Catullus, Livy, Sallust, and Tacitus. The student also sees how these authors have influenced the culture of not only their own world, but of the present age. Prerequisites: LAT 305 or approval of instructor. 3 credits.

**LAT 345 MAJOR LATIN AUTHORS I** focuses on a single author, whose Latin writings will be explored in depth. Grammar and syntactical styles associated with this writer will be examined, as will the content of the texts, and how they relate to the culture of today. The student and the teacher will together decide on the Roman authors include Jerome, Augustine, Virgil, Petronius, Cicero, Caesar, Horace, Pliny, and Seneca. Prerequisites: LAT 306 or approval of instructor. 3 credits.

**LAT 346 MAJOR LATIN AUTHORS II** also focuses on a single author, whose Latin writings will be explored in depth. The Latin writer for LAT 406 will be different than the one chosen by the student and professor for LAT 405, but will focus on a similar in depth study of this author's use of language and importance to culture. Prerequisites: LAT 306 or approval of instructor. 3 credits.

**LAT 385 SPECIAL TOPICS IN ROMAN CULTURE I** explores a various aspects of the Roman world's impact on the world's culture in the 21st Century. The student will read and explicate various Latin texts in a thematic study. Topics could include Rome's impact on theater, government, literature, or architecture. The topics will be determined by the student and the teacher. Prerequisites: LAT 306 or approval of instructor. 3 credits.

**LAT 386 SPECIAL TOPICS IN ROMAN CULTURE II** also explores various aspects of the Roman world's impact on the world's culture in the 21st Century, but one different from the topic studied in LAT 305. The student will read and explicate various Latin texts in a thematic study. Topics could include Rome's impact on theater, government, literature, or architecture. The topics will be determined by the student and the teacher. Prerequisites: LAT 306 or approval of instructor. 3 credits.

**LAT 405 ADVANCED LATIN GRAMMAR: PROSE** is a course of brief passages by different authors designed to challenge the student's acuity with Latin grammar and syntax. Through these readings, the student will learn more about the language's idiosyncratic nature, and the manner with which different Roman authors would use Latin in unique stylistic ways to great effect. Prerequisites: LAT 306 or approval of instructor. 3 credits.

**LAT 406 ADVANCED LATIN GRAMMAR: POETRY** is also a course made up of poems by different authors designed to challenge the student's acuity with Latin grammar and syntax. However, Roman poetry provides even greater challenges than Latin prose. Through a close examination of various poems, the student will learn more about the language's idiosyncratic nature, and the manner with which different Roman poets would use Latin in unique stylistic ways to great effect. Prerequisites: LAT 306 or approval of instructor. 3 credits.

**LAT 445 INDEPENDENT STUDY IN LATIN I: GRAMMAR** invites the excelling student of Latin to create a course of study which will focus on an advanced exploration of grammar, syntax, and vocabulary. Potential subjects to be approached could be the Roman's use of the locative case or the changing function of the subjunctive mood. The topic will be determined by the student and the teacher. Prerequisites: LAT 306 or approval of instructor. 3 credits.

**LAT 446 INDEPENDENT STUDY IN LATIN II: CULTURE** invites the excelling student of Latin to create a course of study which will focus on an advanced exploration of the Roman culture, based upon the writings of Latin authors. Potential subjects to be approached could be the Roman government's treatment of its people, the role of "bread and circuses" in Rome, and the importance of the aquifer to Rome's world, and today's. The topic will be determined by the student and the teacher. Prerequisites: LAT 306 or approval of instructor. 3 credits.

## LEGAL STUDIES

**LEGL 221 CORPORATE LAW** offers an in-depth survey of the various types of business organizations: sole proprietorships, partnerships, corporations, and limited liability companies. 3 credits.

**LEGL 230 ENVIRONMENTAL LAW** studies local, state, and federal laws, as well as rules and regulations that are designed to preserve and protect different aspects of our environment, including a general introduction to the American legal system and an overview of administrative agencies. 3 credits.

**LEGL 331 ADMINISTRATIVE LAW** examines the role of administrative agencies in both the federal and state governments, including their rulemaking, investigative, and judicial powers. 3 credits.

**LEGL 359 CONSTITUTIONAL LAW** analyzes individual rights and responsibilities as developed by the United States Supreme Court in its interpretation of the United States Constitution. Crosslisted POLS 359. 3 credits.

## LIBERAL ARTS

**LA 105 HIGHER EDUCATION: A NEW EXPERIENCE** orients the student into Higher Education through a four phase academic program that develops community, defines needs, explores available resources, builds supportive networking, and develops a desire for Christian growth and academic excellence. 3 credits.

## MARKETING

**MKTG 131 PRINCIPLES OF MARKETING** 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 ECON 222. 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.

## MATHEMATICS

**MATH 119 NUMBER SENSE: TEACHING PRE K-9** is 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 AND SPACE: TEACHING PRE K-9** is 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. Prerequisite: MATH 119. 3 credits.

**MATH 121 INTERMEDIATE ALGEBRA** continues the study of algebra combining previously acquired algebraic knowledge with new topics. Content includes: real numbers, exponents, polynomials, linear equations, quadratic equations, systems of equations, functions, graphing, rational expressions, and determinants. Prerequisite: One year of college preparatory algebra in high school or equivalent. 3 credits.

**MATH 125 CONTEMPORARY MATHEMATICS** studies problem solving, structure and properties of the real number systems, number theory, principles of descriptive and inferential statistics, probability and geometry topics. Emphasis is on application to real life situations. Prerequisite: One year of high school college preparatory algebra and one year of geometry or MATH 121. 3 credits.

**MATH 128 COLLEGE ALGEBRA** studies linear, quadratic, polynomial, exponential and logarithmic functions and their graphs, asymptotes and end-behavior of functions, inverse functions, theory of numbers, complex numbers, and applications of these. Prerequisite: Two years of high school college preparatory algebra and one year of geometry or MATH 121. 3 credits.

**MATH 130 BASICS OF STATISTICS** studies the basic methods of sampling and interpreting data probability, the normal distribution, correlation, hypothesis testing and confidence intervals. Prerequisite: Three years of high school college preparatory mathematics or MATH 121. 3 credits. For B.S.N. Completion students only.

**MATH 150 TRIGONOMETRY** provides the essential elements of trigonometry, particularly emphasizing the trigonometric functions. Prerequisite: Two years of high school college preparatory algebra and one year of geometry or MATH 121. 3 credits.

**MATH 176 FINITE MATHEMATICS** studies systems of equations, matrices, systems of inequalities, linear programming, mathematics of finance, combinatorics and elementary probability theory. Applications are chosen from business, life sciences, and social sciences. Prerequisite: Three years of college preparatory high school mathematics or MATH 128. 3 credits.

**MATH 197 APPLIED CALCULUS** studies the basic concepts of differential and integral calculus including limits, continuity, differentiation, and integration of real valued functions. Applications are chosen from business, life sciences, and social sciences. Prerequisite: MATH 128, or 4 years of high school college preparatory mathematics. 3 credits.

**MATH 201 CALCULUS I** studies limits, continuity and differentiation of real valued functions as well as their applications. Integration of functions and their applications are also discussed. Prerequisite: four years high school mathematics or MATH 128 and MATH 150. 4 credits.

**MATH 202 CALCULUS II** studies analytic geometry, integration and differentiation of the trigonometric and logarithmic functions. Techniques of integration, improper integrals, and differential equations are also discussed. Prerequisite: MATH 201. 4 credits.

**MATH 203 CALCULUS III** studies sequences and series, vectors and vector-valued functions, differential equations, partial derivatives, and multiple integration with applications. Prerequisite: MATH 202. 4 credits.

**MATH 205 STATISTICS I** studies the basic methods of sampling and interpreting data, probability, the normal distribution, correlation, hypothesis testing and confidence intervals. Prerequisite: Three years of high school college preparatory mathematics or MATH 121. 3 credits.

**MATH 220 DISCRETE MATHEMATICS** studies the topics of sets, proof, boolean algebra, logic, induction, combinatorics, graph theory, functions, and algorithms. Prerequisite: MATH 201 or MATH 197 or equivalent. 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** is a study of sets, mappings, operations, relations, partitions, and the basic algebraic structures; groups, rings, integral domains, fields, and vector spaces. Prerequisite: MATH 202. 3 credits.



**MATH 325 LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS** studies elementary linear algebra, including matrices and determinants, vector spaces, linear transformations, solutions of linear systems, and differential equations including series of equations. Prerequisite: MATH 203. 4 credits.

**MATH 331 GEOMETRY** is a study of postulational development of Euclidean and non-Euclidean geometries. Prerequisite: MATH 202 or departmental approval. 3 credits.

**MATH 441 REAL ANALYSIS** studies differentiation, topology of the real line and metric spaces; theory of the integral, and convergence of series and sequences. Prerequisite: MATH 203. 3 credits.

**MATH 470 COMPUTATIONAL METHODS** provides the essential elements of numerical analysis and computational methods, particularly emphasizing recursive and iterative processes, mathematical modeling, and the analysis of structured algorithms. Prerequisites: MATH 197 (Applied Calculus), MATH 205 (Statistics I), MATH 200 (Discrete Mathematics), and proficiency writing and executing C++ computer programs. 3 credits.

**MATH 490 MATHEMATICS SENIOR SEMINAR** is a culminating undergraduate experience in mathematics. It provides an opportunity for student to work with a specific topic from the spectrum of mathematical knowledge. An individual research project will be required. Prerequisite: Senior standing and at least 24 credits in mathematics courses. 3 credits.

## MEDICAL ASSISTANT PROGRAM

**MA 100 INTERPERSONAL COMMUNICATION** presents an overview of interpersonal communication and works to improve students interpersonal communication skills. Includes principles of verbal and nonverbal communication, fundamental writing skills, and how to adapt communication for individual needs. Students will be able to initiate, recognize and respond to verbal, nonverbal, and written communication. 3 credit hours.

**MA 210 ADMINISTRATIVE PROCEDURES I** introduces the student to basic medical office functions, bookkeeping and basic accounting, insurance billing and coding, and facility management. The student will learn to perform clerical functions, bookkeeping procedures, prepare special accounting entries, and process insurance claims. Practice with EMR systems is also included. 2 credit hours.

**MA 140 MEDICAL LAW AND ETHICS** is a lecture discussion course designed to present legal guidelines and requirements for health care. Included are topics such as personal attributes of health care workers, job readiness issues, workplace dynamics, and different allied health professions and credentialing. Medical ethics and bioethics are discussed as well as risk management issues as they relate to the practice of medicine and the practice of medical assisting. Students will learn to identify and respond to issues of confidentiality, perform within legal and ethical boundaries, establish and maintain the medical record, and document appropriately. 3 credit hours.

**MA 230 ANATOMY AND PHYSIOLOGY I** teaches the basic structure of medical terms and how to build words from word parts. This course also includes applications of medical terminology and correct pronunciation of medical terms. It covers the anatomy and physiology of body systems including the digestive, urinary, and musculoskeletal. It presents common pathology and diseases of each system along with diagnostic and treatment modalities. 3 credit hours.

**MA 270 CLINICAL PROCEDURES I** presents information about medical asepsis and infection control, sterilizing and sanitizing equipment, and obtaining and recording vital signs. Students learn proper patient preparation for and how to assist the physician with different types of examinations. Students demonstrate their ability to perform skills through competency testing. Theory is presented in conjunction with planned student activities.. 2 credit hours.

**MA 250 LABORATORY PROCEDURES I** is designed to instruct in the collection and preparation of laboratory specimens. It covers information about the laboratory setting, including CLIA. Routine laboratory testing in the areas of hematology and blood chemistry will be performed on blood specimens collected in class by the venipuncture or skin puncture methods. 2 credit hours.

**MA 130 CARDIOPULMONARY RESUSCITATION** provides instruction in the American Heart Association training for Healthcare Providers. Covers rescue breathing, cardiopulmonary resuscitation, use of an AED, and how to care for choking victims. Techniques for caring for infants, children and adults are covered. 1 credit hour.

**MA 220 ADMINISTRATIVE PROCEDURES II** continuation of Administrative Procedures I. Additional practice related to the medical office, job interviewing techniques and resume preparation also included.. 2 credit hours.

**MA 110 PSYCHOLOGY** is an introductory survey course acquainting the student with the procedures, principles, theories, and vocabulary of psychology as a science. It includes the basic principles, developmental stages of the life cycle, mental health and applied psychology. Also covered are the effects of heredity, environment, and culture on development. 3 credit hours.

**MA 240, ANATOMY AND PHYSIOLOGY II** covers body systems including respiratory, cardiovascular, blood and lymphatic, integumentary, endocrine, and sense organs. It integrates medical terminology with each body system. It also includes pathology and diseases of each system along with diagnostic and treatment modalities. 3 credit hours

**MA 280 CLINICAL PROCEDURES II** instructs students in administration of medication, injections, assisting with minor office surgery, performing eye and ear assessments, the use of physical agents to promote tissue healing, and emergency procedures. There is also a section on cardiopulmonary procedures and electrocardiography. Students demonstrate their ability to perform skills through competency testing. Theory is provided in conjunction with planned activities. 2 credit hours.

**MA 150 PHARMACOLOGY** provides students with an introduction to pharmacology. It covers all categories of drugs, their generic equivalents, and their actions as well as the body systems affected by them. The course includes dosage calculation, adverse reactions, contraindications, precautions, interactions, administration, and patient management. 2 credit hours.

**MA 260 LABORATORY PROCEDURES II** students will learn the importance of quality control, and instructing patients in proper collection techniques. Male reproductive health and colon procedures are covered as well as information on radiology and diagnostic procedures. Routine laboratory testing in the areas of urinalysis, microbiology, and serology is performed on collected specimens. 2 credit hours.

**MA 300 MEDICAL ASSISTANT PRACTICUM** provides the student with an opportunity to demonstrate application of learned concepts, principles, and procedures required to assist the physician in daily office activities within a supervised ambulatory health care setting. Each student must complete a minimum of 160 hours. 3 credit hours.

**REL 100 THE BIBLE** is an overview of the Bible intended to acquaint the student with its background, content and messages. This introductory course satisfies the core curriculum requirements for Bible content for students who are not in a church work program.. 3 credit hours.

## MUSIC

**MUS 080 MUS 080 RECITAL/CONCERT** is for 0 credits, however, attendance is required of all music majors every semester. In order to satisfy this requirement, evidence of 4\* attended programs each semester must be files with the Music Office. \*In the event that 4 campus concerts/recitals are not scheduled, the minimum number will be set by the Department Chair for that semester.

**MUS 100 PIANO CLASS** provides group instruction emphasizing the development of basic keyboard skills and instruction in reading both G and F clef notation. No prerequisite. 3 credits.

**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, as well as by providing musical experiences such as singing, playing and dancing. 3 credits.

**MUS 180 CHAPEL RINGERS** is comprised of 11-13 handbell ringers which performs primarily for on-campus chapel services and concerts. Membership by audition only, preferably for the entire academic year. 1 credit.

**MUS 181 WIND ENSEMBLE** is the premiere university instrumental ensemble which performs concerts throughout the academic year. The ensemble maintains a repertoire of both secular and sacred music. The ensemble performs in both worship and non-worship settings. Participation in annual winter tour is required. Membership in audition only. 1 credit.

**MUS 182 CONCORDIA CHORALE** 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 184 KAMMERCHOR** is a highly select mixed voice ensemble which performs at a variety of campus and off-campus activities and takes an annual tour. Preference is given to sophomores through seniors, or to those who demonstrate solid choral background. Ordinarily participation is expected for the entire academic year. Membership is by audition only. 1 credit.

**MUS 185 THE ALLELUIA RINGERS** is a select handbell choir of 11-12 ringers, which performs in worship and concert both on and off campus. Membership is by audition only, preferably for the entire academic year. 1 credit.

**MUS 186 SMALL ENSEMBLES** studies and performs the various small chamber wind literature from 1650 to the present. The ensemble seeks to provide a comprehensive study of performance repertoire from a wide range of composers. 1 credit.

**MUS 187 FALCON PEP BAND** is a small ensemble playing a repertoire of high-energy, high-volume popular music performed at designated home football and basketball games. 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/CHAMBER ORCHESTRA** a dual format ensemble which covers the historical span of string repertoire from Baroque to 20th Century. Fall semester concentrates on string orchestra while spring semester adds requisite wind, brass and percussion. 1 credit.

**MUS 204 KEYBOARD SKILLS** aims to improve musicianship through application of the keyboard as a learning tool. Keyboard technique, sight-reading at the piano, harmonization of melodies, performance of harmonic progressions, figured bass realization, simple accompanying, and improvisation will be elements of this class. Course is not offered every semester. Prerequisite: MUS 240 & 241 or equal theoretical knowledge required. 2 credit hours.

**MUS 240 MUSIC THEORY I** enables students to explore musical concepts through analysis, sight-singing and aural training, and part-writing. Harmonic studies include primary chords in root positions and cadential preparations. A grade of "C" or better is required to advance to MUS 241. No prerequisite. 3 credits.

**MUS 241 MUSIC THEORY II** is a continuation of Music Theory I with special emphasis on primary chords in inversion, seventh chords, secondary dominants and chromatic materials. A grade of "C" or better is required to advance to MUS 242. Prerequisite: MUS 240 or consent of instructor. 3 credits.

**MUS 242 MUSIC THEORY III** continues Music Theory II with special emphasis on secondary functions, modulation, altered chords, and chromatic harmony. Music Theory III also involves work with the music department's Macintosh computer lab. A grade of "C" or better is required to advance to MUS 243. Prerequisite: MUS 241 or consent of instructor. 3 credits.

**MUS 243 MUSIC THEORY IV** is a continuation of Music Theory III with special emphasis on extended harmonies, formal analysis, and Twentieth-century techniques. Also involves work with music department Macintosh computer lab. A grade of "C" or better is required to pass. Prerequisite: MUS 242. 3 credits.

**MUS 250 BEGINNING CONDUCTING** studies the fundamental and working knowledge of rudimentary conducting principles including baton techniques, beat patterns, analytical skills, non-verbal expression and fundamental gestures. This course will also introduce some of the essential administrative duties germane to the ensemble director. Prerequisite: MUS 240. 3 credits.

**MUS 271 MUSIC HISTORY I** surveys the history of music from the Medieval through the Baroque periods. Introduces and develops the musical forms pertinent to the respective periods, as well as their parallel correlation to the artistic, literary, architectural and socio-economic aspects of general historical development. Encourages, develops and reinforces analytical and research skills. Prerequisite: MUS 241 or consent of instructor. 3 credits.

**MUS 272 MUSIC HISTORY II** surveys the history of Western Civilization's concert music from the Pre-Classical Period through the end of the Romantic Period (ca. 1900). Additionally, it introduces and explores the musical forms pertinent to the respective style periods, as well as their parallel correlations to the artistic, literary, architectural and socio-economic aspects of general historical development. Prerequisite: MUS 271. 3 credit hours.

**MUS 273 MUSIC HISTORY III** blends the study of traditional Twentieth Century concert music with an introduction to the wide variety of music traditions from around the globe. It discusses the manner in which music symbolizes a people's way of life and represents a distillation of cultural style. Further, it explores how changing technologies shape the sounds, settings, and significance of musical experience. This course is designed to create a dialogue between traditional Western concert music and global music in an interactive context. Prerequisite Music History II

**MUS 315 TECHNIQUES OF TEACHING VOICE** studies laryngeal structure and function, as well as the structure and mechanics of breath apparatus as applied to the singing voice. Allows the student to gain practical experience in applying concepts learned in both individual and group settings. 2 credits.

**MUS 351 ADVANCED CONDUCTING** further develops beginning conducting skills with special emphasis on effective rehearsal techniques. The student has the opportunity to gain some practical experience in both instrumental and choral conducting. Prerequisite: MUS 250. 3 credits.

**MUS 356 TECHNIQUES OF TEACHING BRASS** includes instruction in the physiology of the brass embouchure and its development. Covers the basic techniques for teaching tone and technique on trumpet, french horn, euphonium, trombone and tuba from elementary to high school levels. Includes some literature reference and application of solo and ensemble performance. 2 credits.

**MUS 357 TECHNIQUES OF TEACHING WOODWINDS** includes instruction in the physiology of the woodwind embouchure and its development. Covers the basic technique for teaching tone and technique on flute, oboe, clarinet and saxophone. 2 credits.

**MUS 358 TECHNIQUES OF TEACHING PERCUSSION** includes instruction in the physiology of the percussion grip and its development. Covers the basic techniques for teaching technique and rudiments on snare drum, bass drum, timpani, auxiliary and mallet percussion. Includes some literature references and application of solo and ensemble performance. 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 371 MUSIC OF THE BAROQUE** surveys music of the period 1600 to 1750 with particular emphasis on the great Lutheran musical heritage of this period. Prerequisite: MUS 271 and MUS 272 or consent of instructor. 3 credits.

**MUS 372 MUSIC OF THE CLASSIC PERIOD** surveys music of the last 18th century to early 19th century with special emphasis on the principles of form and balance which form the basis of much of the music of the Classical period. Prerequisite: MUS 271 and 272 or consent of instructor. 3 credits.

**MUS 373 MUSIC IN THE TWENTIETH CENTURY** examines compositional styles and schools of 20th Century composers as they have struggled with the need for redirection of musical thought. This course will involve the study of early 20th Century composers (Schoenberg, Stravinsky) to the present (Boulez, Stockhausen, Cage) and the musical avante-garde of these periods. Prerequisite: MUS 271 and MUS 272 or consent of instructor. 3 credits.

**MUS 376 MUSIC OF THE ROMANTIC PERIOD** surveys the music of Beethoven through Richard Strauss with special emphasis on the artistic principles which form the basis of much of the music of the Romantic period. Prerequisite: MUS 271 and 272 or consent of instructor. 3 credits.

**MUS 422 ORGAN LITERATURE** surveys a broad spectrum of organ literature with emphasis on music appropriate for worship settings. Prerequisite: Consent of instructor. 3 credits.

**MUS 442 FORM AND ANALYSIS** is a study of traditional music forms and structures and their organizing principles. It will familiarize students with the musical parameters and events that indicate important considerations in the design of a composition. Prerequisite: MUS 243 or consent of instructor. 3 credit hours.

**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 461 MUSIC IN WORSHIP** explores the principles and practice of liturgical music, especially as it finds current expression in Lutheran worship. The study includes historical background but stresses practical contemporary issues. 3 credits.

**MUS 465 SURVEY OF CHRISTIAN HYMNODY** examines the lyrics and tunes of hymns, the writers of hymns, and the cultural influences on hymn writing from the early Christian church through the present. Particular emphasis is placed on the literary and musical qualities characteristic of this important genre. 3 credits.

**MUS 485 HANDBELL METHODS AND MATERIALS** provides basic techniques of handbell ringing; experience in performing handbell music, and planning and organizing a handbell choir. 3 credits.

**MUS 491 PARISH MUSIC PRACTICUM** allows the student to gain first-hand experience in parish musical work. This course is a requirement for the Director of Parish Music major. Prerequisite: successful passing of keyboard proficiency exam. 1 or more credits.

**MUS 499 RECITAL** provides a culminating experience in applied music. This course is taken in place of the student's applied music courses in the semester during which the recital is given. Prerequisite: Departmental approval. 2 credits.

## APPLIED MUSIC

Private study is offered in voice, piano, organ and most wind and string instruments. All instruction is obtained through a "permit to register" card from the Department of Music. 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).

|                         |               |              |                         |                    |              |
|-------------------------|---------------|--------------|-------------------------|--------------------|--------------|
| <b>MUS 201, MUS 301</b> | Applied Piano | 1-2 cr./sem. | <b>MUS 233, MUS 333</b> | Applied Percussion | 1-2 cr./sem. |
| <b>MUS 211, MUS 311</b> | Applied Voice | 1-2 cr./sem. | <b>MUS 234, MUS 334</b> | Applied String     | 1-2 cr./sem. |
| <b>MUS 221, MUS 321</b> | Applied Organ | 1-2 cr./sem. | <b>MUS 235, MUS 335</b> | Applied Guitar     | 1-2 cr./sem. |
| <b>MUS 232, MUS 332</b> | Applied Brass | 1-2 cr./sem. | <b>MUS 236, MUS 336</b> | Applied Woodwinds  | 1-2 cr./sem. |

Students may transfer applied instruction from another recognized **educational institution** to Concordia University subject only to **departmental** review.

## NURSING

**NURS 100 INTRODUCTION TO PROFESSIONAL NURSING** describes basic principles of nursing, and addresses issues such as entry into practice, nursing employment opportunities and nursing roles. Roles of the professional nurse and nurse theories will be examined. Beginning nursing student. 2 credits.

**NURS 101 PROFESSIONAL CORE FOUNDATIONS** identifies the philosophical basis, conceptual framework and responsibilities of the professional nurse while assisting students to formalize their decision to study professional nursing. Prerequisite: NURS 100. 4 credits.

**NURS 106 (HUM 106) NURSING AND YOU** an approach to Holistic Nursing considers the relationship between the successful nurse and a study of the Humanities, particularly as it relates to the human condition. The nurse who understands the essence of what it is that motivates the crown of God's creation, humankind, will better be able to use a holistic approach to nursing care and will understand self and patient better. The student will survey approaches to the study of literature, music and art, and will continue to develop critical and analytical skills that will enhance nursing care and, at the same time, lead to a richer personal life. Course meets Humanities requirement. 4 weeks - 3 credits.

**NURS 202 GERONTOLOGICAL NURSING** explores the health needs of the older client. Primary, secondary, and tertiary preventions are discussed as they relate to retaining, attaining, and maintaining the older client's line of defense. Taken concurrently with N222. 3 credits.

**NURS 212 GERONTOLOGICAL NURSING PRACTICUM** provides guided clinical experience correlated with theoretical content of NURS 101, NURS 213, NURS 222, NURS 232, and NURS 250. 2 credits.

**NURS 213 FOUNDATIONAL NURSING SKILLS I** focuses on professional psychomotor nursing skills that complements didactic content of NURS 202. Provides reinforcement of psychomotor experiences in the clinical setting. Prerequisites: NURS 222, taken concurrently with NURS 212 and NURS 250. 1 credit.

**NURS 222 NURSING PATHOPHYSIOLOGY** explores various altered health states and their variances from wellness in the human body. Course discussion includes essential concepts of disease processes by body system, core body functions, general mechanisms, and systemic manifestations of altered health across the lifespan. This course will enable students to apply this knowledge to clinical practice and complements other course offerings at this level of study. Prerequisites: BIO 270, BIO 272, BIO 249, CHEM 105. 3 credits.

**NURS 232 WELLNESS ASSESSMENT (also BSN program)** identifies nursing's role in assessing deviations from wellness and the way in which individuals maintain lines of defense. Nursing laboratory work required. Prerequisites: BIO 270 and BIO 272. 3 credits.

**NURS 250 NURSING PHARMACOLOGY I** is an introductory pharmacology course and is designed to assist the nursing student to understand the basic concepts of pharmacology, drug therapies for disease states as they relate to retaining, attaining, or maintaining a client's line of defense. Prerequisite: NURS 100. 2 credits.

**NURS 255 NURSING PHARMACOLOGY II** builds on Nursing Pharmacology I and further assists the student to understand the basic concepts of pharmacology, drug therapies for disease states as they relate to retaining, attaining, or maintaining a client's line of defense. Prerequisites: NURS 101, NURS 232, NURS 250. 2 credits.

**\*NURS 301 NURSING AND THE NEUMAN MODEL** demonstrates the incorporation of Betty Neuman's conceptual framework within the nursing process. 3 credits.

**NURS 310 MEDICAL-SURGICAL NURSING I** focuses on foundational nursing management when assisting clients requiring medical-surgical interventions. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 255. Concurrent enrollment in NURS 311. 3 credits.

**NURS 311 MEDICAL-SURGICAL NURSING I PRACTICUM** provides guided clinical experience with clients in an acute medical-surgical setting. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 255. Concurrent enrollment in NURS 310. 2 credits.

**\*NURS 305 LEGAL/ETHICAL ASPECTS OF NURSING** is a course in which the student will identify various ethical theories and define one's own value system. This course will then explore who the defined theoretical frameworks and value system support the nurse's legal responsibilities. The ethical/legal issues discussed will relate to the practice of nursing. 3 credits.

**NURS 313 FOUNDATIONAL NURSING SKILLS II** focuses on professional psychomotor nursing skills that complements didactic content of NURS 302. Provides reinforcement of psychomotor experiences in the clinical setting. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 255, taken concurrently with NURS 310, NURS 311. 1 credit.

**NURS 320 FAMILY CENTERED NURSING: PEDIATRICS** introduces students to the stressors encountered and nursing preventions required to retain, attain, and maintain system stability with families. Senior standing taken concurrently with Nursing 321. Prerequisites: NURS 335, NURS 345, NURS 346. 3 credits.

**NURS 321 FAMILY CENTERED NURSING: PEDIATRIC PRACTICUM** provides guided clinical experience with childrearing families in a variety of settings and agencies. Taken concurrently with NURS 320. 1 credit.

**325 FAMILY CENTERED NURSING: OBSTETRICS & WOMEN'S HEALTH** introduces students to the stressors encountered and nursing preventions required to retain, attain, and maintain system stability with childbearing families. Taken concurrently with NURS 326. Prerequisites: NURS 335, NURS 345, NURS 346. 3 credits.

**NURS 326 FAMILY CENTERED NURSING: OBSTETRICS & WOMEN'S HEALTH PRACTICUM** provides guided clinical experience with childbearing families in a variety of settings and agencies. Taken concurrently with NURS 325. 1 credit.

**\*NURS 331 HISTORY OF NURSING** is 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 (also B.S.N. Completion Program)** introduces students to the research process, synthesis of research findings, and application of evidence into nursing practice. Prerequisites: MATH 205, NURS 310, NURS 311. 3 credits.

**NURS 340 COMMUNITY WELLNESS** studies nursing responsibilities in assisting individuals, families, and groups to meet stressors and retain, attain, and maintain system stability within the community setting. Taken concurrently with NURS 341. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 255. 3 credits.

**NURS 341 COMMUNITY WELLNESS PRACTICUM** provides the student with an opportunity to integrate previous knowledge with community health nursing and to apply this within a nursing process framework to individuals and aggregates in various community site settings. Taken concurrently with NURS 340. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 255. 1 credit.

**\*NURS 342 COMMUNITY WELLNESS FOR RN's** is an in-depth study of nursing responsibilities in assisting individuals, families and groups to meet stressors and retain, attain and maintain system stability with a community setting. Advanced clinical practice with clients in the community in a variety of settings and agencies is provided. 6 credits.

**NURS 345 MEDICAL-SURGICAL NURSING II** Continuing focus on foundational nursing management when assisting clients requiring medical-surgical interventions. Prerequisites: NURS 310, NURS 311. Concurrent enrollment in NURS 346. 3 credits.

**NURS 346 MEDICAL-SURGICAL NURSING II PRACTICUM** provides guided clinical experience with clients in an acute medical-surgical setting. Prerequisites: NURS 310, NURS 311. Concurrent enrollment in NURS 345. 2 credits.

**\*NURS 360 CULTURAL DIVERSITY IN NURSING** introduces the student to health care among differing cultural groups. Prerequisites: Junior or Senior standing. 3 credits.

**NURS 363 THERAPEUTIC NUTRITION** is a lecture course designed to initially assist the nursing student in building a sound foundation in scientific nutritional concepts. The course continues by applying these concepts in the nutritional care of specific clients in the promotion of health and treatment of disease. Prerequisites: CHEM 105; BIO 270, BIO 272, BIO 249. 2 credits.

**NURS 390 INTRODUCTION TO BASIC EKG** introduces the nursing student to basic rhythms of the heart. Junior or Senior level elective. 1 credit.

**NURS 400 MEDICAL-SURGICAL NURSING III** focuses on nursing management and clinical reasoning used in assisting clients experiencing major and/or complex alterations in wellness in the medical-surgical setting. Prerequisites: NURS 335, NURS 345, NURS 346. Concurrent enrollment in NURS 401. 3 credits.

**NURS 401 MEDICAL-SURGICAL NURSING III PRACTICUM** provides guided clinical experience with clients requiring advanced nursing management and clinical reasoning skills in an acute medical-surgical setting. Prerequisites: NURS 335, NURS 345, NURS 346. Taken concurrently with NURS 400. 2.5 credits.

**NURS 402 PSYCHOLOGICAL WELLNESS** focus is on the principals and practice of nursing in the mental health setting. Theory and treatment of special populations and people with both chronic and acute psychiatric needs. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 255. Taken concurrently with NURS 412. 3 credits.

**NURS 410 MEDICAL-SURGICAL NURSING IV** Continuing focus on nursing management and clinical reasoning used in assisting clients experiencing major and/or complex alterations in wellness in the medical-surgical setting. Prerequisites: NURS 400, NURS 401. Concurrent enrollment in NURS 440 and NURS 441. 3 credits.

**NURS 412 PSYCHOLOGICAL WELLNESS PRACTICUM** provides guided clinical practice within both acute and chronic mental health settings. Taken concurrently with NURS 402. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 255. Taken concurrently with NURS 402. 1 credit.

**NURS 420 CRITICAL CARE NURSING** provides both classroom and guided clinical experience with adult clients in a critical care setting. It continues to build on previous nursing courses and will focus on stressors, lines of defense, nursing diagnosis development, secondary nursing preventions, and scientific rationale in giving nursing care to critically ill clients. (offered occasionally) 3 credits.

**NURS 440 LEADERSHIP & MANAGEMENT: IN AN EVOLVING HEALTHCARE SYSTEM** explores the principles of effective leadership/management skills in managing the health needs of individuals and groups. Prerequisites: NURS 400, NURS 401. Taken concurrently with NURS 410 and NURS 441. 3 credits.

**NURS 441 LEADERSHIP & MANAGEMENT PRACTICUM: IN AN EVOLVING HEALTHCARE SYSTEM** afford students the opportunity to apply the principles of effective leadership/management skills in the clinical setting. Prerequisites: NURS 400, NURS 401. Taken concurrently with NURS 410, NURS 440. 2.5 credits.

**\*NURS 442 COMPLEX NURSING SYSTEM FOR RNs** explores the principles of effective leadership/management skills in managing the health needs of individuals, groups and peers within the role of the professional nurse. 5 credits.

**NURS 451 GLOBAL EDUCATION** allows the students to study and experience the history, culture and health beliefs of Costa Rica. 3 credits.

**NURS 452 GLOBAL EDUCATION** allows the students to study and experience the history, culture and health beliefs of various countries. 3 credits.

**\*NURS 492 SEMINAR IN CONTEMPORARY NURSING ISSUES** is a faculty advised seminar in which the student presents an in-depth, independent study of current topics, forces and/or issues affecting contemporary nursing practice. The student will also be exposed to communication skills in public speaking. 1 or 4 credits, offered once a year. This is the last module the BSN Completion student takes prior to graduation.

**\*B.S.N. Completion Program only**

## PHILOSOPHY

**PHIL 201 INTRODUCTION TO PHILOSOPHY** familiarizes the student with the major subject areas of philosophy. Using historical and contemporary sources, the course examines fundamental problems and theories in Epistemology, Ethics and Metaphysics. 3 credits.

**PHIL 211 ELEMENTARY LOGIC** is an 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. 3 credits.

**PHIL 240 ENVIRONMENTAL ETHICS** is a grounding in the theory and practice of environmental ethics. The course studies both secular and religious principles that impact environmental care, and examines the foundations and consequence of anthropocentric, biocentric, and ecocentric approaches and "deep ecology," in dialogue with a developed biblical concept of stewardship. 3 credits.

**PHIL 250 MORAL PHILOSOPHY** 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. 3 credits.

**PHIL 275 ATHENS AND THE CROSS** is a focused study of the interaction between Pauline theology and Greek culture, mythology, and philosophy. Students will learn key dimensions for comparing worldviews, study the major Greek myths, and become acquainted with the main ideas of ancient Greek philosophy, with a special emphasis on the stoic and epicurean philosophy which Paul directly engaged. Thus equipped, students travel to Greece to follow "in the footsteps of St. Paul" and integrate the experience and knowledge gained on the tour with their classroom instruction. Prerequisites: REL (100 or 203) and REL (110 or 204). 3 credit hours.

**PHIL 309 HISTORY AND PHILOSOPHY OF SCIENCE** studies the development of science and scientific methodology from classical antiquity to the contemporary scene. There is a special emphasis on the development of astronomy and the changing fortunes of design as a scientific category. Students learn how theological categories provide the metaphysical, epistemological and ethical foundation for the rise of modern science, and critically evaluate the contrasting, contemporary attitude of methodological naturalism. Prerequisite: PHIL 201. 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. Prerequisite: PHIL 201 or consent of instructor. 3 credits.

**PHIL 333 C. S. LEWIS: HIS LIFE AND CHRISTIAN PHILOSOPHY** is a focused study of the life and works of C. S. Lewis. This course gleans philosophically important lessons about faith, reason, world views, and the imagination by a close examination of the trials and triumphs faced by C. S. Lewis both in his personal spiritual life and his public career as a major Christian apologist. It then considers a representative selection of his works, drawn from the many genres to which he contributed, including formal apologetics, science fiction, fantasy, and literary criticism. 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 343 THE CHRONICLES OF NARNIA AND PHILOSOPHY** focuses on how Lewis incarnated philosophical ideas in the imaginary worlds of the Chronicles of Narnia. From the creation to the end of Narnia, students will trace Lewis's defense of the supernatural, objective moral values and the value of faith against materialist skepticism. 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. Prerequisites include PHIL 201, PHIL 250, or a familiarity with the basic principles of ethics or medical ethics. 3 credits

**PHIL 371 PHILOSOPHY AND FILM** is a systematic study of the means by which the medium of film communicates philosophical ideas and theories. Students study the major enduring problems of philosophy and how they are portrayed, developed, and evaluated by important films spanning many movie genres from popular and accessible action movies to the challenging works of avant-garde directors. This course may be taken as the core class in Philosophical Foundations, and is cross-listed as COMM 371. 3 credits.

**PHIL 372 THE LORD OF THE RINGS AND PHILOSOPHY** delves into the profound philosophical themes both surrounding and suffusing Tolkien's magnum opus. The course includes a study of Tolkien's professed methodology and refers to the background of Middle Earth painted in other works, but

mainly focuses on how Tolkien develops and argues for and against specific philosophical theses within the text of *The Lord of the Rings*. Prerequisites: REL 100 and REL 110 or their equivalents. 3 credits. Crosslisted as COM 372.

**PHIL 381 AESTHETICS** Prerequisite: ART 285, 286. Crosslisted as ART 381.

**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 Hobbes, 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 201. 3 credits.

## PHYSICAL THERAPY (SEE GRADUATE CATALOG FOR COURSE DESCRIPTIONS)

### PHYSICS

**PHYS 107 ASTRONOMY** is an introductory astronomy course for students with some background in high school mathematics and high school physics. Students study the scientific and historical foundations of astronomy including, the solar system, our sun and the stars, the Milky Way and other galaxies, and physical models of the universe. Prerequisite: MATH 121. 3 credits.

**PHYS 121 ELEMENTARY PHYSICS** is a one-semester survey of physics including classical mechanics, heat and thermodynamics, wave motion and sound, electricity and magnetism, and relativity. Involves the use of algebra and includes mathematical problem solving. One laboratory per week. Prerequisite: MATH 121. 4 credits.

**PHYS 151 GENERAL PHYSICS I** is a survey of physics including classical mechanics, mechanical waves and sound, and heat and thermodynamics. Involves the use of algebra and trigonometry, and emphasizes numerical problem solving. One laboratory per week. Prerequisite: MATH 128. 4 credits.

**PHYS 152 GENERAL PHYSICS II** is a continuation of PHYSICS 151 and includes classical electricity and magnetism, electric current and circuits, light waves, and geometric optics. One laboratory per week. Prerequisite: PHYS 151. 4 credits.

### POLITICAL SCIENCE

**POLS 101 INTRODUCTION TO POLITICAL SCIENCE** is 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. 3 credits.

**POLS 201 AMERICAN GOVERNMENT** studies the basic foundations and underlying principles of American national, state, and local government. Crosslisted JPP 101. 3 credits.

**POLS 221 ENVIRONMENTAL POLICY** This course provides an introduction to the study of environmental politics and policy in the United States. The course addresses how environmental policy is made at the local, state, and national level in policy issues such as air and water pollution, waste management, and energy. Through case studies, students learn to appreciate the scientific, political, and human dimensions of environmental policies. 3 credits.

**POLS 255 THE PRESIDENCY** studies both the person and the office of the president historically and contemporarily. Emphasis will be placed on the religion that American presidents bring to and practice in office.

**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 the health care arena. 3 credits.

**POLS 300 COMPARATIVE POLITICS** introduces students to central concepts of comparative politics, including power, state formation, political economy, political culture, nationalism and identity, democratization, and globalization. Prerequisites for Political Science majors and minors: POLS 101 and POLS 201. 3 credits.

**POLS 310 INTERNATIONAL RELATIONS** introduces students to the fundamentals of international politics and international organization, particularly the United Nations and its specialized agencies. Prerequisites for Political Science majors and minors: POLS 101 and POLS 201. 3 credits.

**POLS 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 COMM 325. 3 credit hours.

**POLS 359 CONSTITUTIONAL LAW** is the analysis of individual rights and responsibilities as developed by the United States Supreme Court in its interpretation of the United States Constitution. Crosslisted LEGL 359. 3 credits.

**POLS 410 THE CHRISTIAN AND POLITICS** examines the relationship between religion and politics in the United States and how Christians may respond to and be a part of the public square. Prerequisites for Political Science minors: POLS 101 and POLS 201. 3 credits.

**POLS 491 SPECIAL TOPICS IN POLITICS** allows in-depth study of an area of politics and government of mutual interest to staff and students. This course may be taken more than once as long as there is substantially different content in each course. Prerequisites for Political Science minors: POLS 101 and POLS 201. 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. 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 COMM 201. 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** 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** 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 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 451 THEORIES OF PERSUASION** examines the many forms of persuasion and the settings in which each occurs. The course will also look at the dynamics of persuasion in brainwashing and subliminal message making. Students will study attitude change as they listen critically to guest speakers, analyze persuasive appeals and take field trips to observe the process in action. Crosslisted COMM 451. Prerequisite: PSY 101. 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.

## RADIOLOGIC TECHNOLOGY

### RADIOLOGY ALLIANCE: COLUMBIA ST MARYS, FROEDERT HOSPITAL, WHEATON FRANCISCAN-ST JOSEPH

The curriculum for the Alliance is drawn up and taught according to the course of study approved by the Joint Review Committee on Education in Radiologic Technology (ASRT curriculum). Classes are usually one to two hours duration and are held at regularly scheduled times.

**RT 310 INTRODUCTION TO RADIOLOGY TECHNOLOGY** This is a two-credit course designed as an introduction to provide an overview of the foundations in radiography and the practitioner's role in the health care delivery system. Principles, practices and policies of the health care organizations are examined and discussed in addition to professional responsibilities of the radiographer. Course content will include an introduction to basic concepts of body mechanics, vital signs, EKG, and infection control. CPR certification will be completed. Evaluation will be on the basis of quizzes, unit tests and a final exam.

**RT 313 RADIATION PROTECTION** This is a two-credit course. Content is designed to present an overview of the principles of radiation protection including the responsibilities of the radiographer for patients, personnel and the public. Radiation health and safety requirements of federal and state regulatory agencies, accreditation agencies and health care organizations are incorporated. Course includes all aspects of radiation protection, dose limiting recommendations, detection duties and the cardinal principles of protection. Evaluation is on the basis of quizzes, unit tests and a final exam.

**RT 323 PRINCIPLES OF RADIOGRAPHIC EXPOSURE I** This is a three-credit course; content is designed to provide an overview of basic mathematics, an introduction to x-ray production, exposure factors, the control panel, beam restriction, filters, computed radiography, grids and radiographic quality. Evaluation will be based on quizzes, unit exams and a final exam.

**RT 340 RADIOGRAPHIC PROCEDURES I** This is a three-credit course utilizing lectures, demonstrations and laboratory practice. Items to be covered include radiographic anatomy and procedures and of the upper and lower extremities, chest, abdomen, and barium studies. Pediatric imaging for each procedure will be discussed. The interns will identify radiographic anatomy, assess radiographic images for accurateness and identify evaluation criteria for a variety of procedures. This course integrates knowledge and skills from several didactic units. Evaluation will be based on quizzes, unit tests and a final exam.

**RT 312 MEDICAL TERMINOLOGY** (on-line course)\*\* This is a two-credit course. This will be a self-study unit. Interns will be required to complete all tests on the intranet. All assignments must be completed by the end of the second semester. Course work includes medical suffixes and prefixes, word-roots, and combining forms. Evaluation will be based on unit tests.

**RT 324 PRINCIPLES OF RADIOGRAPHIC EXPOSURE II** This is a three-credit course; content is design to provide an knowledge on radiographic film, screens and film processing, radiographic quality, special imaging equipment. Evaluation will be based on quizzes, unit exams and a final exam.

**RT 341 RADIOGRAPHIC PROCEDURES II** This is a three-credit course, utilizing lectures, demonstrations and laboratory practice. Radiographic anatomy and procedures for the bony thorax, vertebral column, and iodinated studies will be covered. Pediatric imaging for each procedure will be discussed. The pharmacology of contrast media will be introduced. The intern will identify radiographic anatomy, assess radiographic images for accurateness and identify evaluation criteria for a variety of procedures. This course integrates knowledge and skills from several didactic units. Evaluation will be based on quizzes, unit tests and a final exam.

**RT 369 METHODS OF PATIENT CARE** This is a three-credit course; content is designed to provide the basic concepts of patient care, including consideration for the diversity, physical and psychological needs of the patient and family. In addition the course will provide the intern with advanced knowledge of aseptic and sterile techniques, venipuncture, pharmacology and medical ethics and law. Evaluation will be on the basis of quizzes, unit tests, and a final exam.

**RT 423 RADIOGRAPHIC PROCEDURES III** This is a one-credit course, utilizing lectures, demonstrations and laboratory practice. Radiographic anatomy and procedures for the cranium, facial bones will be discussed. Pediatric imaging for each procedure will be discussed. The interns will identify radiographic anatomy, assess radiographic images for accurateness and identify evaluation criteria for a variety of procedures. Historical exams and special fluoroscopic imaging will also be presented. This course integrates knowledge and skills from several didactic units. Evaluation will be based on quizzes, unit tests and a final exam.

**RT 424 RADIOGRAPHIC PROCEDURES IV** This is a three-credit course. Topics to be covered include Special Orthopedic positioning, special gastrointestinal positioning, interventional procedures, basic principals of CT and MRI imaging. Evaluation will be on the basis of quizzes, tests and a final exam.

**RT 405 CROSS SECTIONAL ANATOMY** This is a three-credit course designed to give the intern basic knowledge of cross-sectional anatomy at a minimum of the head and neck, thorax and abdomen. Evaluation will be on the basis of quizzes, unit tests and a final exam. Instruction incorporates CT and MR images.

**RT 406 RADIOGRAPHIC PHYSICS I** This is a two-credit course. Course content is designed to establish basic knowledge of atomic structure and terminology. Also presented are the nature and characteristics of radiation, x-ray production and the fundamentals of photon interactions with matter. Introduction will include magnetism, electricity, and electromagnetism. Evaluation will be on the basis of unit tests and a final exam.

**RT 409 DIGITAL IMAGING** This is a three-credit course; content is designed to impart an understanding of the components, principles and operation of digital imaging systems found in diagnostic radiology. Factors that impact image acquisition display, archiving and retrieval are discussed. Guidelines for selection of exposure factors and evaluating images within a digital system assist interns to bridge between film-based and digital imaging systems. Evaluation will be on the basis of quizzes, unit tests, and a final examination.

## SEMESTER V

**RT 421 RADIOBIOLOGY** This is a two-credit course; content is designed to provide an overview of the principles of the interaction of radiation with living systems. Radiation effects on molecules, cells, tissues and the body as a whole are presented. Factors affecting biologic response are presented, including acute and chronic effects of radiation. Evaluation is on the basis of quizzes, unit tests and a final exam.

**RT 407 RADIOGRAPHIC PHYSICS II** This is a two-credit course. Content is designed to establish knowledge in tube and generator circuitry. Also presented are the nature and characteristics of radiation, x-ray production and the fundamentals of photon interactions with matter. Evaluation will be on the basis of quizzes, unit tests and a final exam.

**RT 469 QUALITY ASSURANCE** This is a two-credit course; content is designed to provide the intern the ability to evaluate all aspects of the imaging system from processor to generator. The intern will perform basic equipment tests, identify and trouble shoot equipment problems. Lecture on quality control and quality assurance procedures within a radiology department will be covered. Evaluation will be on the basis of the accuracy and timeliness of laboratory procedures, unit tests and a final exam.

**RT 450 INDEPENDENT STUDY** Interns will be assigned a written research project that will include an oral presentation, video display or a scientific exhibit. This project will be assigned two credits. This will enable the intern to develop critical thinking, research and writing skills along with an appreciation for professional development. Evaluation will be on the basis of research organization, completeness and presentation. The intern will select a topic of their choice. Successful completion of the independent study is a graduation requirement.

**RT 455 RADIOGRAPHIC PATHOLOGY** This is a two credit course; content is designed to introduce concepts related to disease and etiological considerations with emphasis on radiographic appearance of disease and impact on exposure factor selection. Evaluation will be on the basis of quizzes, unit exams and a final exam.

**RT 475 PROFESSIONAL DEVELOPMENT/REGISTRY REVIEW** This is a one-credit course that serves as an overview of the entire program. This course will prepare the intern for the American Registry of Radiologic Technologists. Course will also include study of the evolution of modern health care systems and professional organizations in Radiology. Evaluation will be on the basis of mock registry examinations.

**COMPREHENSIVE FINALS** Comprehensive finals are given at the end of each year. These are non-credit and are used to aid the intern in developing test-taking skills for the American Registry of Radiologic Technologists. Successful completion of these examinations is required; see Comprehensive final policy statement under Graduation Requirements.

**TERMINAL CLINICAL COMPETENCY** At the end of semester III and VI (Summer Session I and II) all intern will complete a terminal clinical competency assessment. Interns will be assessed individually by two clinical instructors. They will be given a scenario and must complete on a timely basis. This is a non-credit assessment but successful completion is required for advancement or graduation.



**RADIOGRAPHY CLINICAL EDUCATION** The clinical education is broken down into six semesters. There are a required number of competencies the intern must complete by the end of the 6th semester. Evaluation of the intern's positioning skills, equipment manipulation, and use of radiation protection, patient care and knowledge of image production is conducted by the Clinical Instructors, Clinical Coordinator, Program Director and qualified staff technologists. The break down of clinical credit is as follows:

Semester I - 2 credits Semester II - 3 credits Semester III - 4 credits Semester IV - 3 credits Semester V - 4 credits Semester VI - 4 credits

## REHABILITATIVE SCIENCE

**BIO 301 ADVANCED FUNCTIONAL ANATOMY AND PHYSIOLOGY** This course expands upon concepts introduced in Functional A&P I and II with emphasis on the structure and normal function of the organ systems and their common pathologies. Special emphasis will be placed on the muscular and nervous systems. The student will also be introduced to concepts of human movement, including anatomical terms or direction, fundamental planes and axes of movement, joint articulations and movements and the primary muscles that perform them. Pre requisite courses: BIO 280 & BIO 281 or equivalent. 4 credits.

**OT 104 COMPUTER APPLICATIONS FOR OCCUPATIONAL THERAPY** A course for the computer novice, OT 104 provides a foundation in technology use. Included is a survey of computer concepts and computer applications. Students will become users of microcomputers and the basic administrative computer tools of word processing, spreadsheet, information searching and Internet application software. 1 credit.

**OT 106 MEDICAL TERMINOLOGY** OT 106 introduces a word-building system for medical terms through the use of a programmed text and facilitates appropriate pronunciation and use of the words derived from Greek and Latin components. No prerequisites. 1 credit.

**OT 201 ONLINE LEARNING LAB** This course provides an orientation to online learning and the Transitional Program for Occupational Therapy Assistants (TOTA). As a lab course the focus is on experiencing the skills needed for active participation in online courses. This lab is designed to orient the student pragmatically to Concordia University and the Occupational Therapy program while developing the skills needed to be successful with the CUW learning management software and other technology tools. Within the course students will establish initial contact with their advisors. 3 credits. (Note: this course is only open to students enrolled in the TOTA program).

**OT 521 FOUNDATIONAL CONCEPTS IN OT** This course is intended to ground the first semester students in both theoretical concepts important to occupational therapy practice and practical knowledge about the profession. Theoretically, students will be introduced to those fundamental concepts discussed in the OT literature and declared as important threads in the CUW OT Program curriculum. These include: 1) philosophical assumptions about the nature and therapeutic value of occupation (occupation-centered practice); 2) the importance of the collaborative nature of the client-therapist relationship (client-centered practice); 3) the role of scientific research evidence in making clinical decisions (evidence-based practice); and 4) the importance of service in professional and personal activities. In addition, important events and trends in occupational therapy's history will be discussed. Moreover, the role of professional ethics is introduced. Practical issues related to the profession of occupational therapy are also introduced, these include: various arenas or contexts of practice; important documents in OT; OT organizations; supervisory relationships (i.e., OTR-COTA); professional certification and licensure issues; and the importance of political involvement. 3 credits.

**OT 523 CLINICAL KINESIOLOGY** This course covers anatomical and mechanical principles of human movement and the application of these fundamentals to the analysis of motor skills. The lab will focus on the ability to integrate and practice the principles related to human movement. Motor control and exercise will also be addressed. 3 credits.

**OT 525 THERAPEUTIC SKILLS** This course will focus on the OT skills needed to assist patients in occupational engagement and participation. The students will complete occupational profiles and occupational performance analysis while learning how to grade/adapt activities. Students will learn how to train others in adaptive equipment, ADLs and adaptive techniques. Basic transfer techniques, patient handling skills, wheelchair mechanics and bed mobility will also be explored. 2 credits.

**OT 546/548 GROUP SKILL & CLINICAL PRACTICUM-GROUP** This course focuses on the use of group dynamic techniques in Occupational Therapy. Emphasis will be on developing skills and competencies necessary to function as a group leader while working with diverse populations. The concept of therapeutic groups will be explored as well as their function and structure as a psychosocial approach to treatment. A variety of therapeutic groups and topics will be presented along with group ethics and documentation. Students will have the opportunity to lead groups, comprised of diverse age groups and diagnoses, within the community. 4 credits.

**RSC 201 MEDICAL ETHICS AND REHABILITATION** Ethics and Rehabilitation is offered to provide students with the tools necessary to recognize and engage successfully the ethical challenges that arise in rehabilitation practice. Since today's medicine functions in a secular atmosphere, the student must be able to understand and converse with other health care professions concerning standard medical ethics concepts such as: autonomy, informed consent, patient confidentiality, life and death decision making, and professional responsibility. This course will also provide a brief overview of the most common ethical systems encountered in our pluralistic society in dialogue with Christian presuppositions and a Lutheran understanding of Law and Gospel. Case studies, course reading, lectures, and discussions will develop to articulate ethical challenges in rehabilitation and to make critical, informed, and God-pleasing ethical decisions. 3 credits.

**RSC 304 TEACHING AND LEARNING IN REHABILITATION** This course will introduce students to various learning theories and teaching strategies as it relates to rehabilitation. This exploration will pay particular attention to the needs of an adult learner. Activities will help students appreciate how teaching is a part of working in a rehabilitation setting. Concepts of motivation in learning will be explored along with the impact of physical, cognitive, and psychosocial deficits in learning. 3 credits.

**RSC 307 HEALTH PROMOTION IN REHABILITATION** This course will introduce the student to health promotion. The concept of health promotion will be discussed through the exploration of wellness models and key components of health promotion and wellness. The students will be able to discuss the difference between rehabilitation and health promotion. This course will provide learning experiences that will enable the student to identify opportunities for the provision of health promotion services as a rehabilitation provider. Environments for health promotion will be explored that include traditional and health care environments and nontraditional environments such as school systems and social systems in the community. 3 credits.

**RSC 310 CULTURE IN REHABILITATION** This course will introduce students to the issues of cultural diversity in today's health care arena. The importance of recognizing cultural differences, the role of culture in health care, negotiating cultural differences in working with clients, planning for evaluations, and designing therapeutic interventions will be explored. In addition, language as a cultural barrier, the impact of professional jargon cross-culturally, and standardized instruments and language issues will be investigated. 3 credits.

## 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** is an overview of the Bible intended to acquaint the student with its background, content and messages. This introductory course satisfies the core curriculum requirements for Bible content for students who are not in a church-work program. 3 credits.

**REL 105 CHURCH LEADERSHIP SEMINAR** introduces the students to the lay ministry program by seeking avenues for theological and spiritual formation to serve in the church. 1 credit (TEE)

**REL 110 CHRISTIAN FAITH** is an overview of Christian theology intended to acquaint the students with key theological concepts as they relate to every day 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 THE OLD TESTAMENT** is an overview of the Old Testament intended to acquaint the student with its background, content, and messages. This introductory course satisfies the core curriculum requirement for Bible content, but students who take it must also take REL 203 New Testament elsewhere in their programs. It is required for students in a church-work program. Prerequisite: enrollment in church-work program or permission of instructor. 3 credits.

**REL 203 THE NEW TESTAMENT** is an overview of the New Testament intended to acquaint the student with its background, content, and messages. This introductory course forms a pair with REL 201 Old Testament for Bible content, and thus may not be counted as the elective third theology course in the core curriculum. Prerequisite: enrollment in church-work program or permission of instructor. 3 credits.

**REL 204 BIBLICAL THEOLOGY** is 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 an 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 215 FRIENDSHIP EVANGELISM** develops the ability of the student to share the Gospel with a non-Christian in the context of a growing friendship. Prior enrollment in REL 210 is recommended. Outreach elective (evangelism). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 221 LUTHERAN WORSHIP** introduces the main terms and elements of traditional and contemporary worship. The student is exposed to a variety of art forms and the ways in which they can be incorporated into the worship experience. Along with learning the principles involved in assisting with leading a worship service, the student practices these skills in the community. This course prepares the student for REL 222 Worship Practicum. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 227 YOUTH MINISTRY I** equips the student with the understanding, attitudes, and the theory needed to develop a ministry with and for youth in a congregation. Along with the scriptural and theoretical principles of youth ministry, this course prepares students for practical experiences encountered in REL 245 Ministry Practicum. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 229 RELIGIOUS EDUCATION OF YOUTH AND ADULTS** equips the students with practical methods, skills, and resources to teach religion to youth and adults in a parish setting. Provides students with opportunities to strengthen their ability to communicate the Gospel effectively. Religious education elective. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 233 COMMUNICATING BIBLE MESSAGES** helps the student acquire greater skill in communicating meaningful Bible messages, by learning the theory and practice of analyzing a text of Scripture, writing a message for a specific audience based on that text, and delivering the message. Topical and other creative approaches will also be examined. Religious education elective. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 245 MINISTRY PRACTICUM** is intended for any student interested in practical experience in a specified area of church work. Forty hours for each credit earned will be spent in a parish or institution with involvement in hands on, supervised training with a skilled supervisor. Time will also be devoted to readings and discussion sessions. REL 245 may be repeated in subsequent semesters with different ministry specializations. Prerequisite: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]), a foundational course in the area of ministry specialization. 1-3 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 the 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 298 FAITH AND CULTURE** explores the role of religion in defining our way of life and self-understanding and how culture, in turn, may shape spirituality. Major world views and their influence on the faith experience will be analyzed. Special attention will be given to Christianity in this interrelationship of faith and culture. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 303 BIBLICAL FAITH AND PEOPLE OF COLOR** is a study of biblical faith which allows the student to analyze the religious, cultural, and social milieus of the past, and to analyze the basic components of the Gospel message and techniques of strengthening human relationships. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 307 WISDOM OF ISRAEL** is an examination of the wisdom literature of the Old Testament: Job, Psalms, Proverbs, Ecclesiastes, and the Song of Songs. The course studies biblical poetry, devotional literature, and the major questions of life. 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. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 312 OFFICE OF THE PROFESSIONAL CHURCH WORKER** studies the role of auxiliary ministries in the light of the New Testament and the Lutheran Confessions. It pays particular attention to church administration and conflict resolution in congregations. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 316 WORLD MISSIONS I** explores the biblical foundations, the theology, and practice of Christian missionary work and provides students with some initial background in preparation for missionary service. Outreach elective (missions). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 326 WORLD MISSIONS II** provides additional background information for students considering missionary service, continuing the exploration of missions begun in REL 316 World Missions I. This course looks into the history of missions, contemporary issues of missions, and the practice of missions. Outreach elective (missions). Prerequisite: REL 316. 3 credits.

**REL 327 YOUTH MINISTRY II** Develops skills in youth ministry acquired in REL 227. Special attention is given to organizational competence at the beginning of service as a youth director, with emphasis in budgeting, staff relationships, and risk management. Students will explore obstacles teens encounter, and will develop short-term, Gospel-centered, ministry skills. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]); REL 227; REL 245 (may be taken concurrently). 3 credits.

**REL 328 FAMILY AND YOUTH MINISTRY** explores congregation ministry with and for families by providing students with an understanding of parent and child relationships, teen development, and the place of faith and the church in family life. Special attention is paid to family life education, intergenerational ministry, and strategic planning, with the goal of building ministries that strengthen family relationships. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 333 A SURVEY OF CHRISTIAN THOUGHT** reviews how Christians have expressed the mystery and majesty of God's truth, from early Christian writers to the intellectual searchers of the twentieth century, from Augustine and Anselm to Bonhoeffer and Barth. This course familiarizes students with some of the most influential thinkers of Christianity. Students explore the themes that have fascinated generations of Christians through the centuries: What drives someone to martyrdom? Why did Christ have to be a man? Can we prove God's existence? Who can be saved through a cross? Why does the Church have sacraments? Must Christians be ignorant and stupid? Where do we go from here? Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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]). Three 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). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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 THE LIFE OF THE 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. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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** explores the distinct nature of Christian ethics in dialogue with other forms of ethical inquiries. Contemporary Christian responses to timely ethical issues will also be explored. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 379 RELIGION AND THE LAW** examines current law and the teachings of Scripture regarding civil law and government, the Christian's responsibility to civil government, and various legal, moral, and scriptural issues such as abortion, euthanasia, homosexuality, the death penalty, and freedom of religion in America. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 383 THE GOSPEL OF LUKE** surveys foundational principles and techniques in biblical interpretation using the Gospel of Luke. Bible elective (NT). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 387 CHRIST'S PEOPLE THROUGH THE AGES** surveys Christian history from Pentecost to the present. Distinctive eras in Christian history will be discussed, with attention to their main contours and the principal dynamic forces at work within them. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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 390 SPIRITUALITY OF JAMAICA** introduces students to a diversity of expressions of human spirituality in a distinctively different culture. On-site experiences of at least three spiritual movements will be investigated on the island of Jamaica. Winterim. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 404 LUTHERAN CONFESSIONS** is 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 expounded in the other Confessions of the Lutheran Church. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 410 WORLD RELIGIONS** surveys living non-Christian religions in terms of worship, beliefs, values, history, and their encounter with Christianity. Comparative religions elective. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 416 THE PRACTICE OF MISSIONS** facilitates a supervised mission experience for students interested in local or international missions. Outreach elective (missions). Prerequisites: REL 316, completed Missions Internship Contract (available from the theology department). 3 credits.

**REL 420 LAY MINISTRY INTERNSHIP** is a course which puts theory into practice in a specialized setting unique to the individual student need. The student intern is introduced to the congregational or institutional arena of professional church work. This presents the student intern the opportunity to experience the vocational option of service as a lay minister. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 430 CHRIST IN THE OLD TESTAMENT** studies the Messianic teachings found in the OT, traces their thematic development, identifies their fulfillment in the New Testament, and explores scholarly controversies about their interpretation. Bible elective (OT). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 432 THE PSALMS** is a study of the hymnal of ancient Israel, with its interpreters, historical context, and enduring liturgical and theological value. Bible elective (OT). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 445 THE LIFE AND THOUGHT OF LUTHER** is 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. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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 pre-conference readings and a post-conference paper. Winterim. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 456 PASTORAL EPISTLES OF PAUL** surveys the letters of 1–2 Timothy and Titus, relating Paul's concerns for the burgeoning church of the day to such contemporary issues as women in the church, the office of the ministry, and twenty-first century theological formulations. Bible elective (NT). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 458 HEBREWS AND THE TWO LETTERS OF PETER** studies the background and content of these three epistles of the New Testament. Students will be led to discover for themselves what these letters are teaching and to apply their messages to their own lives and to the Christian Church today. Bible elective (NT). Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

**REL 476 THE HOLY LAND** offers students the opportunity to experience the land of Israel in person. Students will walk the streets of Jerusalem and Bethlehem, sail on the Sea of Galilee, and taste the brackish waters of the Dead Sea. Guided sightseeing will be supplemented with on-site lectures by noted Bible scholars, museum visitations in Jerusalem, and background readings. Winterim. Bible elective (OT/NT). 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. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]), senior standing. 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. Prerequisites: REL 490. 3 credits.

**REL 495 LAY MINISTRY SEMINAR** brings into focus the students' vocation and the utilization of their spiritual gifts in the service of the church. The participants will present, in light of Lutheran Confessional theology, their personal vocational goals to serve in the church. Prerequisites: Completion of Level I of the Lay Ministry Program and acceptance into Level II. 1 credit.

## SCIENCE

**SCI 100 INTRODUCTION TO NATURAL SCIENCE** studies selected topics from the natural sciences with emphasis on practical implications of an understanding of those topics. In addition, controversial issues regarding the impact of science on society are also examined. 4 credits.

**SCI 135 EARTH SCIENCE** is an integrated study of the materials & physical features of Earth and the processes that form and shape them. Map skills are also developed. Cross-listed (Physical Geography) GEOG 311. 4 credits.

**SCI 150 LIFE SCIENCES** is an integrated approach to the study of biology and environmental science designed for education majors. Prerequisite: SCI 155 or 1 year of high school chemistry. 4 credits.

**SCI 155 PHYSICAL SCIENCES** is an integrated approach to the study of physics, chemistry, and astronomy designed for education majors. Prerequisite: One year of college preparatory algebra in high school. 4 credits.

**SCI 195 METEOROLOGY** provides a physical description of the weather variables (temperature, wind, moisture, pressure, solar radiation, vorticity, etc.) and the relationships that exist among them. This knowledge will be used to explain weather events such as frontal passages, cloud formation, thunderstorms, and tornadoes. This course will also investigate techniques of forecasting future weather events. Cross-listed (The World's Climates) GEOG 295. 3 credits.

**SCI 246 OCEANOGRAPHY** is a study of the chemical, geologic, physical, and biological features of Earth's oceans. Topics covered include the history of oceanography, chemistry and physical properties of sea water, waves, global currents & seas, and submarine morphology. The laboratory component gives students hands-on experience learning the topics covered by the course. Cross-listed (The World's Oceans) GEOG 246. 4 credits.

**SCI 303 COSMOGONY** is 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. 3 credits.

## SIGN LANGUAGE

**SIGN 101 BEGINNING AMERICAN SIGN LANGUAGE I** is designed for students who have had no formal learning of ALS. Students will develop skills in producing and understanding signs and will be introduced to deaf culture. 3 credits.

## SOCIAL WORK

**SW 100 INTRODUCTION TO SOCIAL WORK** is a survey course designed to provide an overview of the profession of social work, its historical roots, and its current structures and issues. The functions of the social work profession in relation to other human service professions will be discussed. Students will understand the knowledge, skill, and value base of social work as developed and discussed in contemporary and historical literature. Key terms and concepts will be introduced as well as the role social work has played in response to social and economic justice issues, especially for populations at risk. 3 credits.

**SW 205 INTRODUCTION TO SOCIAL WELFARE** introduces basic concepts of the U.S. social welfare system and includes a comparative approach to other countries. Provides an overview of governmental assistance programs and the impact of these programs on individuals and families. Includes an historical and contemporary perspective on social welfare issues. Presents the impact of the economic, political, educational, and religious systems on social welfare systems. Special attention is given to social work values and practice, the strength-based approach, poverty and vulnerable populations. Public health approach is introduced. Students have an opportunity to do service learning at a selected community agency. 3 credits.

**SW 306 SOCIAL WELFARE POLICY AND PROGRAMS** further develops an understanding of contemporary social welfare policies and programs, including private, public, and combined programs. Examines the various historical, political, economic, and societal influences on the development of social welfare policy and service delivery and/or the policy-making process. Provides a framework to analyze and evaluate social welfare policies and programs. Context for policy analysis includes human diversity, human rights, and social and economic justice. Policies related to child welfare, physical and mental health, assistance to the poor, social insurance, hunger, shelter, and civil rights based on gender, race and ethnicity, and immigration will be discussed. The importance of policy practice will be introduced and integrated through community interviews. Prerequisites: SW 100, SW 205 and a social work major with upper division status or consent of instructor. 3 credits.

**SW 310 RESEARCH METHODS I** is taken concurrently with SW 326 and SW 346. The course introduces research methodology pertinent to the evaluation of human service programs, and discusses the rationale for conduction of such evaluations. Among the topics discussed are the relationship of evaluative efforts to program design and implementation, threats to validity of program evaluation, constructing a measurement plan and designs for program and evaluation. Program evaluation knowledge, skills and techniques, such as needs assessment, operationalization of variables, levels of measurement, statistical significance, efficiency and outcome evaluation are introduced. This course emphasizes this methodology when conducting formative evaluations, i.e., needs assessment, program development, market research. Prerequisites: MATH 121, or MATH 128, and/or MATH 205, SW 100, SW 205, and social work major with upper division status. 3 credits.

**SW 326 SKILLS & METHODS OF SOCIAL WORK PRACTICE I: STRATEGIES FOR HELPING INDIVIDUALS** is taken concurrently with SW 346 and SW 310. It is the first in a sequence of three required social work practice courses. Practice I focuses on the development of skills and strategies for helping individuals within a variety of social work and host settings. Key concepts of generalist practice are applied to the development of relationship building and interviewing skills. Generalist Practice is examined as a problem solving process which includes engagement, assessment, intervention, and evaluation. Students learn to view clients and client systems from a strengths perspective. Service learning is incorporated into the semester. Prerequisites: SW 100, SW 205, and Social Work major with upper division status. 3 credits.

**SW 327 FIELD EDUCATION I** is taken concurrently with SW 328 and SW 436. This course engages the student in the practice of beginning social work skills and tasks within an agency setting over a period of one semester (15 weeks). It is designed for the senior level student and requires an average of 16 hours per week in the agency for a minimum of 216 hours. Prerequisites: SW 100, SW 205, SW 306, SW 310, SW 346, SW 347, SW 410, SW 426, and Social Work major with upper division status. 5 credits.

**SW 328 FIELD SEMINAR I** is taken concurrently with SW 327. A seminar format will provide for the sharing of practice experiences and practice issues that occur during field practicum. Discussion topics will focus on agency orientation, self-awareness issues, weekly journal entries, and field learning contract assignments. The seminar will provide for the integration of field experience with classroom learning through discussion and assignments. Prerequisites: SW 100, SW 205, SW 306, SW 310, SW 346, SW 347, SW 410, SW 426, and Social Work major with upper division status. 1 credit.

**SW 346 HUMAN BEHAVIOR/THE SOCIAL ENVIRONMENT I** is taken concurrently with SW 326 and SW 410. This course will examine systems theory. This course develops the person-in-environment concept in social work. Individuals grow and develop within the context of families, groups, organizations, and communities. This course also examines the relationships among human biological, social, psychological, and cultural systems as they affect and are affected by human behavior within the human life span. Prerequisites: PSY 230, BIO 146, SW 100, SW 205, SW 310, SW 326, SW 346, and Social Work major with upper division status, or consent of instructor; 3 credits.

**SW 347 HUMAN BEHAVIOR/THE SOCIAL ENVIRONMENT II** is taken concurrently with SW 306 and SW 426. This course further develops the person-in-environment concept in social work, with a specific focus on human diversity. Provides a framework to understand and analyze the forms and mechanisms of oppression and discrimination. Students learn how diversity shapes the human condition and how their individual position affects their interpretation of the social environment. The dimension and intersectionality of diversity is discussed and includes the factors of age, class, color, culture, disability, ethnicity, gender, gender identity and expression, immigration status, political ideology, race, religion, sex, and sexual orientation. Students gain self-awareness and support in confronting personal biases and values in working with diverse groups. Prerequisites: SW 100, SW 205, SW 310, SW 326, SW 346, SW 410 and Social Work major with upper division status, or consent of instructor. 3 credits.

**SW 375 UNDERSTANDING DEATH AND DYING** examines the role of family, church and other social institutions in our experiences with death and dying. The student will study current theories and practices related to death and dying from the standpoint of developmental and learning theory, and social and cultural attitudes and practices. Theories regarding grief and loss are included. The student will learn social work intervention skills and methods for working with the dying and survivors. Prerequisites: Sophomore standing. Cross listed as SOC 375. 3 credits.

**SW 392 AGING AND THE SOCIAL ENVIRONMENT** investigates the processes of human aging within the social environment. Social gerontology is concerned with the nonphysical aspects of aging. Particular emphasis is placed on its social, psychological, and spiritual aspects, although attention is given to the impact of aging on biological functioning. Group processes, ageism, and social forces that affect the aging process are examined. Prerequisites: SOC 101 or PSYCH 101, PSYCH 230, or consent of instructor. Cross listed as SOC 392. 3 credits.

**SW 410 RESEARCH METHODS II** is taken concurrently with SW 306, SW 347, and SW 426. The course introduces research methodology pertinent to the evaluation of human service programs, and discusses the rationale for conduction of such evaluations. Among the topics discussed are the relationship of evaluative efforts to program design and implementation, threats to validity of program evaluation, constructing a measurement plan and designs for program evaluation. Program evaluation knowledge, skills and techniques, such as needs assessment, operationalization of variables, levels of measurement, statistical significance, efficiency, and outcome evaluation are continued. This course focuses on outcome evaluation of existing programs and personal practice. Prerequisites: MATH 121 or MATH 128, and/or Math 205, SW 310, SW 326, SW 346, and Social Work major with upper division status. 3 credits.

**SW 426 SKILLS AND METHODS OF SOCIAL WORK PRACTICE II: HELPING GROUPS & FAMILIES** is designed to help students further develop their social work practice skills for helping groups and families. Students learn how group work is utilized as a method in social work practice. Various types of groups are examined including task groups, interdisciplinary team meetings, and treatment groups. Students learn skills for forming and conducting groups with different client groups. Generalist practice often requires viewing client situations from a family perspective. Students learn to apply concepts from systems theory to understanding the interpersonal dynamics of family functioning. Working with families and groups utilizes a professional problem solving process to engage, assess, intervene, and evaluate practice with groups. Prerequisites: SW 100, SW 205, SW 306, SW 310, SW 326, SW 346, and Social Work major with upper division status. 3 credits.

**SW 427 FIELD EDUCATION II** is taken concurrently with SW 428 and SW 490. This course is designed for the senior level student and engages the student in supervised direct service activities within an agency setting. This course provides practical experiences in the application of theory and skills acquired in the social work curriculum. The placement requires an average of 16 hours per week in an agency for a minimum of 216 hours. Prerequisites: SW 100, SW 205, SW 306, SW 326, SW 327, SW 310, SW 346, SW 347, SW 410, SW 426, SW 436 and Social Work major with upper division status. 5 credits.

**SW 428 FIELD SEMINAR II** is taken concurrently with SW 427 and SW 490. A seminar format will provide a continuing forum for the integration of field experience with classroom learning through discussion and assignments. Discussion topics will focus on the professional use of self, the use of supervision in practice, on agency-specific policy analysis, and agency provision of service. Prerequisite: SW 100, SW 205, SW 306, SW 310, SW 326, SW 327, SW 328, SW 346, SW 347, SW 410, SW 426, SW 436, and Social Work major with upper division status. 1 credit.

**SW 436 SKILLS & METHODS OF SOCIAL WORK PRACTICE III: ADVOCACY & COMMUNITY CHANGE** is taken concurrently with SW 327 and SW 328. Focus is on developing understanding and skills directed toward larger systems work and change (macro practice) within the context of generalist social work. Includes review of various theoretical and historical perspectives on injustice and oppression, within the context of social change strategies. Examines traditional and nontraditional social action strategies, including community organization and development. Students learn agency and legislative advocacy skills with a specific focus on human rights and social and economic justice. Social work values and ethical perspectives related to social change are analyzed. Prerequisite: SW 100, SW 205, SW 306, SW 310, SW 326, SW 346, SW 347, SW 410, SW 426 and Social Work major with upper division status. 3 credits.

**SW 490 SENIOR INTEGRATIVE SEMINAR** provides the student with the opportunity to integrate classroom and practicum experience for application in their entry level professional practice. This course is the culminating integrative process for baccalaureate generalist practice social work student to further develop and refine communication and problem solving skills; to exercise peer support and evaluation skills; to increase self awareness through group interaction, values clarification and discussion and analysis of major policy and practice issues in developing a resume and strategies for a job search, examination of fields of practice and related professional issues, and an examination of policy and research. It has a specialized focus on social work values and ethics. This course is a self-directed readings, critical inquiry, and discussion seminar. Prerequisites: SW 100, SW 205, SW 306, SW 310, SW 346, SW 347, SW 410, SW 326, SW 426, SW 436, SW 327, SW 328; taken concurrently with SW 427 and SW 428; and Social Work major with upper division status. 3 credits.

## SOCIOLOGY

**SOC 101 INTRODUCTION TO SOCIOLOGY** is an introduction to the study of social groups and social relationships. The course analyzes basic sociological concepts to acquaint the student with the fundamental laws governing human relationships. Problems of social structure, social processes and social motivations will be considered. 3 credits.

**SOC 203 CONTEMPORARY SOCIAL PROBLEMS** provides the student with a perspective to view major problems confronting American Society. An eclectic approach is utilized in the analysis of these problems, selected research studies are evaluated and field research trips are conducted. Special attention is given to mental health, crime and delinquency, poverty, mass media and communications, prejudice and discrimination, and urbanization. 3 credits.

**SOC 255 URBAN SOCIETY** introduces the student to the complex nature of the urban area; sensitizes the student to the complexities of urban life; helps the student appreciate what it means to become meaningfully involved in their community and in today's urban society. The course examines racial and ethnic diversity, concepts of the city, historical urbanization in diverse cultures, transportation, housing, population shifts, urban economics, employment, education, industrialization, international population and urbanization, community organization and planning, the church and urban society. 3 credits.

**SOC 256 CRIMINOLOGY** studies why people commit crimes. Crosslisted JPP 103. 3 credits.

**SOC 300 GROUP DYNAMICS** is an introduction to group processes and interpersonal relationships with an emphasis on community, identity, and leadership problem-solving activities. Crosslisted COMM 300. 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 343 WOMAN'S HEALTH** reflects both her individual biology and her sociocultural, economic, and physical environments. A discussion of women's issues through 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. This course can be used as an elective or to fulfill a requirement for the Secondary Education Broad Field Social Science major. 3 credits.

**SOC 365 DRUGS, SOCIETY, AND HUMAN BEHAVIOR** investigates the physiological, psychological and social implications of drug use and abuse. Common drugs such as nicotine, caffeine and alcohol as well as the less common and illegal drugs such as marijuana, LSD and cocaine are studied. Prerequisite: SOC 101 and SOC 203 or SOC 255. 2-3 credits.

**SOC 375 UNDERSTANDING DEATH AND DYING** examines the role of family, church, and other social institutions in our experiences with death and dying. The student will study current theories and practices related to death and dying from the standpoint of developmental and learning theory, social and cultural attitudes and practices. The student will learn social work intervention and postvention skills and methods for working with the dying and survivors. Prerequisites: SOC 101, PSY 230, or consent of instructor. Cross listed as SW 375. 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 culture, and practice time are integral parts of the course. No previous knowledge of Spanish is assumed. 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. 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 315 TOPICS IN SPANISH CONVERSATION** is designed for flexible scheduling and the ability to discuss a wide range of topics to serve the needs of majors, minors, and others who simply want to maintain and improve their language skills. This course will help students review and expand their vocabulary through out-of-class preparation on a variety of topics. Each 1-credit course will have a different topic, and majors and minors must take this course three different times for a total of three credits. 1 credit.

**SPAN 321 SPANISH LITERATURE I** surveys major literary developments in peninsular Spanish literature from its origin through the 18th century. Prerequisite: SPAN 301 or consent of instructor. 3 credits.

**SPAN 322 SPANISH LITERATURE II** surveys major literary developments in peninsular Spanish literature during the 19th and 20th centuries. Prerequisite: SPAN 301 or consent of instructor. 3 credits.

**SPAN 323 LATIN AMERICAN LITERATURE** studies selected literary works by Latin American authors. 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.

**SPAN 332 ADVANCED TOPICS IN SPANISH GRAMMAR** works on perfecting usage of structures which typically are the most difficult to master. Students work toward achieving fluency in the language and on polishing their speaking and writing skills. Prerequisite: SPAN 301 or consent of instructor. 3 credits.

**SPAN 341 CIVILIZATION & CULTURE OF LATIN AMERICA** studies the history and cultures of Latin America from Pre-Columbian civilizations to the present. Taught in Spanish. Prerequisite: SPAN 301 or consent of instructor. 3 credits.

**SPAN 351 CIVILIZATION AND CULTURE OF SPAIN AND SPANISH AMERICA I** studies the history, the cultures and the political, economic and social changes on the Iberian peninsula and in the Americas from antiquity through the colonial period. Prerequisite: successful completion of SPAN 202 or equivalent, 4 years of Spanish in high school, or consent of instructor. 3 credits.

**SPAN 352 CIVILIZATION AND CULTURE OF SPAIN AND SPANISH AMERICA II** studies the history, the cultures and the political, economic and social changes on the Iberian peninsula and in the Americas from the late colonial period through the present. Prerequisite: successful completion of SPAN 202 or equivalent, 4 years of Spanish in high school, or consent of instructor. 3 credits.

**SPAN 355 SPANISH AND SPANISH AMERICAN LITERATURE I** surveys major literary developments and works in Spain and the Americas from the earliest days through about 1700. This course is required for majors. Minors must take either SPAN 355 or SPAN 356. Prerequisite: successful completion of SPAN 202 or equivalent. 4 years of Spanish in high school, or consent of instructor. 3 credits.

**SPAN 356 SPANISH AND SPANISH AMERICAN LITERATURE II** surveys major literary developments and works in Spain and the Americas from about 1700 to the present. This course is required for majors. Minors must take either SPAN 355 or SPAN 356. Prerequisite: successful completion of SPAN 202 or equivalent. 4 years of Spanish in high school, or consent of instructor. 3 credits.

**SPAN 360 SPANISH FOR PROFESSIONS** provides the student with practice of professional terminology necessary in fields such as the Medical Professions, Business, Accounting, Marketing, Finance, International Relations, Social Work, Education, Law, and Criminology. Some areas require background in the Spanish language, while for others the course can be tailored to the student's language level so that beginning and intermediate students also learn or review basic grammar. Content and times are arranged with the instructor. Prerequisite: SPAN 301 or consent of instructor. 3 credits.

**SPAN 361 CIVILIZATION & CULTURE OF SPAIN** examines Spain through its art, history, architecture, religion, music, literature, geography, culture, language, and people. It also looks at the influence of Roman, Muslim, Jewish, and Christian civilizations in Spain. Taught in Spanish. Prerequisite: SPAN 301 or consent of instructor. 3 credits.

**SPAN 490 SEMINAR/CAPSTONE COURSE** for Spanish majors. Under the guidance of a faculty member, the student develops a research project in a specific area of interest related to Spanish language, literature, or culture. At the discretion of the department, the student may be directed to study an area or areas needing additional exposure or reinforcement. Prerequisite: Senior standing or consent of instructor. 3 credits.

## SPORT AND ENTERTAINMENT MANAGEMENT

**SMA 290 INTRODUCTION TO SPORT AND ENTERTAINMENT MANAGEMENT** is an examination of basic knowledge areas, competencies, and key skills of the effective sport and recreation manager. This course will explore various careers in professional sports, collegiate athletics, high school activities, and other areas of public and private sports and recreation entertainment.

**SMA 300 SOCIAL ASPECTS IN SPORT AND ENTERTAINMENT** 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.

**SMA 310 LEGAL AND ETHICAL ISSUES IN SPORT AND ENTERTAINMENT** is a comprehensive examination of legal issues in sport, physical education, and entertainment. Specific focus will be on risk and risk management and the impact on the formulation and modification of policies controlling operations of sport and entertainment.

**SMA 320 FACILITY DESIGN AND MANAGEMENT IN SPORT/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.

**SMA 330 SPORTS 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.

**SMA 340 INTERNSHIP IN SPORT MANAGEMENT** the Internship in Sports Management provides students not currently working in the industry with hands-on experience in a sports organization of their choice. Students gain practical experience, enhance skills learned in the classroom, and acquire contacts with professionals in the sports management field.

**SMA 350 MARKETING OF SPORT AND ENTERTAINMENT** an overview of the various techniques and strategies utilized in meeting the demands of consumers in the sports and entertainment industry as well as understanding how sport and entertainment can be used as an effective delivery platform in the marketing of other goods and services. This course will explore various central topics like the marketing of sport and recreation, sports as a medium, market research and segmentation, the marketing mix, and sponsorship procurement.

## THEATRE

**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 CHILDREN'S THEATRE** prepares students to create and perform children's theatre for performance and ministry. The class offers an opportunity to perform for live audiences, and students who like to work behind the scenes will be able to write/direct original pieces (or an adaptation) for performance. Prerequisites: None. 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 268 MUSICAL THEATRE** 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** focuses on musicals that have a strong dance element (i.e. several Fosse musicals, Cole Porter, etc.) and learn the mechanics of choreography as well as creating and building strong musical theatre personas. In addition, students will learn how to interpret lyrics, "sell" a song, and basic fundamentals of musical theatre acting. 3 credits.

**THTR 350 20TH CENTURY AMERICAN DRAMA** studies the contributions of key American playwrights by the period. Writers to be studied may include Eugene O'Neill, Tennessee Williams, Arthur Miller, and Edward Albee. 3 credits.

**THTR 363 ACTING II** 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.



## Full Time Faculty

**ALBANO, CHRISTIAN B.**

Associate Professor of Pharmacy Administration  
B.S., University of Illinois at Chicago; M.P.H.,  
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**ANDRITZKY, JOSEPH G.**

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## THE FAMILY EDUCATION RIGHTS AND PRIVACY ACT

Consistent with the Family Educational Rights and Privacy Act (FERPA) or 1974, as amended by S. J. Res 40 (12-30-74), the following statement represents the position of Concordia University Wisconsin with respect to the confidentiality of student records.

The Act assures students "the right to inspect any and all official records, files, and data directly related..." to themselves, and assures the student an opportunity for debate or correction of inaccurate, misleading, or otherwise inappropriate data in the student's file.

The Act provides that no party may review a student's record with the exception of the following, who do not need written consent of the student to view a record: other school officials, officials of other schools or systems in which the student intends to enroll, authorized representatives of (1) the Comptroller General of the U.S., (2) the Secretary of H.E.W., (3) administrative head of an education agency and (4) state educational authorities. Persons working in connection with a student's application for, or receipt of, financial aid. Any other than those listed above can obtain access to a student's file only upon written release from the student. This record will be available for inspection only by the student. The following procedure has been established for CUW students.

A written request, signed by the student shall be presented to the Registrar or appropriate office. The Registrar, or other appropriate office will arrange a time and date, within 45 days after receipt of the request, for the student to review the record.

The following types of information are considered directory information and may be included in publications or disclosed upon request without consent of the student, but only after public notice of these categories of information has been given in order to allow sufficient time for the student to inform the institution that any and all of this information should not be released without prior consent, such requests can be made in writing to the Registrar's Office:

- student's name
- address including e-mail
- telephone number
- dates of attendance
- photo
- class standing and class schedules
- previous institution(s) attended
- major field of study
- awards
- honors (including Dean's List)
- degree(s) conferred (including date)
- past and present participation in official recorded sports activities
- physical factors (height, weight of athletes)
- date and place of birth

The Act provides the student the right to file with the U.S. Department of Education a complaint concerning alleged failures by the education institution to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

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

## CAMPUS SAFETY AND CAMPUS CRIME REPORT

The safety of all members of our campus community is a high priority at Concordia University Wisconsin. Become an informed member of our campus community to protect yourself and welcome visitors.

A copy of Concordia University's annual campus security report includes statistics for the previous three years concerning reported crimes that occurred on campus; in certain off-campus buildings or property owned or controlled by the University; and on public property within, or immediately adjacent to and accessible from the campus. This report also includes institutional policies concerning campus security/safety, such as alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters.

You may obtain a copy of this report through any one of the means listed below by contacting the Student Life Office of Concordia University requesting either a written copy or an electronic copy (sent via e-mail).

US Mail: Concordia University Wisconsin - Student Life Office  
12800 North Lake Shore Drive - Mequon, WI 53097

E-mail: [student.life@cuw.edu](mailto:student.life@cuw.edu)  
Location: Luther Hall, Room 127 (above address)

## GRIEVANCE PROCEDURE

Students with grievances may wish to consult with their academic advisor or the appropriate division chairperson. Procedure for the process involved in working through a grievance is spelled out in the Student Handbook.



## **NON-DISCRIMINATION POLICIES**

Concordia University Wisconsin admits qualified students of any age, sex, race, color, national or ethnic origin, physical or mental conditions, or developmental disability, to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. Concordia University Wisconsin does not discriminate on the basis of race, color, national or ethnic origin, age, sex, physical or mental condition, or developmental disability in the administration of its admission policies, education policies, scholarship and loan programs, athletic and extra-curricular programs or other school-administered programs. Concordia University does not discriminate on the basis of handicap. (c.f. Section 504 of the Rehabilitation Act of 1973).

## **SOCIAL WORK DEPARTMENT**

### **AFFIRMATIVE ACTION STATEMENT**

The CUW Department of Social Work supports the affirmative action policy as defined in the Faculty Handbook. Additionally, the Department of Social Work advocates for and applies an affirmative action policy which includes students, field supervisors and agencies. Any form of discrimination is unethical and unjust and the department of social work will actively include people of color, women, those who are physically disabled, diverse national groups, and older, "non-traditional" students.

### **AFFIRMATIVE ACTION PROCEDURES**

Staff Recruitment will be through advertising in public information publications and internal posting, All advertising for faculty and staff will be labeled "Equal Opportunity."

Recruitment will actively seek out diverse populations, particularly minorities and women.

Field placement settings, supervisors, agencies, and other service systems are expected to have affirmative action policies and procedures.

The Department of Social Work will have an Advisory Committee consisting of faculty, professional social service workers from the area, and current students.



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