



2017-2018

UNDER GRADUATE

ACADEMIC CATALOG

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The University

Concordia University 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

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.

Vision Statement

Our vision is to be well known nationally and internationally as a premier Lutheran Christian university, widely recognized for meaningful integration of faith and learning. Our alumni will assume significant servant leadership responsibilities in the Church and communities across the nation and around the world.

Concordia's Vision Is Vigorously Pursued In Four Critical Ways:

We are a Faith and Learning Centered Higher Education Community.

Concordia students learn in innovative Christ-centered environments that are guided by comprehensive assessment. Our faculty, staff and University administrators are role models and servant leaders. Our Christian faculty excel in teaching and mentoring, and successfully connect to faith to learning. Our academic programs are rigorous and diverse, consistent with the needs of the Church and our communities.

We plan for Purposeful Growth.

Students grow as they develop in mind, body and spirit. Concordia grows as we reach more people with our mission. Our campuses, facilities, human and financial resources, and infrastructure expand to support a robust student experience in a welcoming environment that results in the professional, social, academic and spiritual formation of all Concordians.

We Make an Impact Through Service and Leadership.

Concordia impacts the Church and the world, developing globally-minded citizens who transform lives, influence communities, and value their neighbors near and far, through Christ-like service and leadership.

We Champion Access and Opportunity for all Learners.

We provide access to the highest value higher education experience. As a result, Concordia students discover and develop their vocations. Rigorous assessment of our academic offerings, university services, delivery systems, and market and organizational performance result in continuous improvement of the Concordia experience, which enables our students to pursue and persist in their chosen career paths.

Campus Address

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
SENIOR VICE PRESIDENT OF ACADEMICS.....	William Cario
SENIOR VICE PRESIDENT OF ENROLLMENT SERVICES.....	Kenneth Gaschk
SENIOR VICE PRESIDENT OF STRATEGY AND UNIVERSITY AFFAIRS.....	Gretchen Jameson
VICE PRESIDENT OF ADVANCEMENT.....	Roy Peterson
VICE PRESIDENT OF FINANCE AND CHIEF FINANCIAL OFFICER.....	Joan Scholz
VICE PRESIDENT OF INFORMATION TECHNOLOGY.....	Thomas Phillip
VICE PRESIDENT OF MARKETING.....	Anita Clark
VICE PRESIDENT OF STUDENT LIFE.....	Steven Taylor
ASSISTANT VICE PRESIDENT OF ACADEMICS.....	Bernard Bull
ASSISTANT VICE PRESIDENT OF ACADEMICS.....	Leah Dvorak
ASSISTANT VICE PRESIDENT OF ACADEMICS.....	Elizabeth Polzin
ASSISTANT VICE PRESIDENT OF STRATEGIC COMMUNICATION.....	Lisa Liljegren
CHAIR, FACULTY SENATE.....	Robert Burlage

Deans

ARTS AND SCIENCES.....	Steven Montreal
BUSINESS ADMINISTRATION.....	Daniel Sem
EDUCATION.....	Michael Uden
HEALTH PROFESSIONS.....	Linda Samuel
NURSING.....	Sharon Chappy
PHARMACY.....	Dean Arneson
STUDENT LIFE.....	Steven Gerner

2016 - 2017 Academic Year

SEMESTER I

August 22	Mon.	Pharmacy classes begin - Mequon
August 28	Sun.	Opening Service - Mequon
August 29	Mon.	First Day of Traditional Classes Opening Service - Ann Arbor
September 5	Mon.	LABOR DAY - No Class
September 9	Fri.	Last Day to Add a Regular Semester Class
October 20 - 21	Thu.- Fri.	Fall Break - No traditional undergrad. classes
November 4	Fri.	Last Day to Drop a Regular Semester Class
November 23	Wed.	Thanksgiving Vacation begins - no traditional undergraduate classes meet that start after 4:00 pm CST
November 24	Thu.	THANKSGIVING DAY
November 28	Mon.	Classes Resume
December 12 - 16	Mon.- Fri.	Final Examinations Christmas Recess Begins after Last Exam
December 19	Sat.	Graduation 1:30 pm - Mequon
December 25	Sun.	CHRISTMAS DAY

WINTERIM

January 3	Tues.	Classes Resume - Winterim Begins
January 20	Fri.	Winterim Examinations

SEMESTER II

January 9	Mon.	Pharmacy classes begin - Mequon
January 23	Mon.	Second Semester Begins
February 3	Fri.	Last Day to Add a Regular Semester Class
March 6 - 10		Pharmacy Spring Recess - Mequon
March 13 - 17		Spring Recess - Traditional Undergraduates
March 31	Fri.	Last Day to Drop a Regular Semester Class
April 13	Thurs.	Easter break begins - no classes meet that start after 4:00 CST
April 16	Sun.	EASTER
April 17	Mon.	Classes Resume at 4:00 CST
May 8 - 12	Mon.- Fri.	Final Examinations
May 12	Fri.	Graduate Student Graduation 6:00 pm - Mequon
May 13	Sat.	Undergrad Student Graduation 1:30 pm - Mequon
May 14	Sun.	Undergrad Student Graduation 2:00 pm - Ann Arbor

SUMMER SESSIONS

3 weeks	6 weeks
1 - May 15 - June 2 (no school May 29)	May 15 - June 23 (no school May 29)
2 - June 5 - June 23	June 5 - July 14 (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 & Chief Operating Officer
Continuing Education.....	Assistant Vice President of Academics for Distance & 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
Website 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, preferably, 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 can be completed online through our website at www.cuw.edu/apply.

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. Please note, International Students are not required to take the ACT or SAT tests.

5. International students must present a minimum TOEFL score of 61 on the internet based test or an overall band score of 6 on the IELTS for regular acceptance. Any International Student who can not present a 61 TOEFL or 6 IELTS must test through the English Language Institute for placement and may be required to enroll in the English Language Program. International students may still be considered for conditional admission without TOEFL or IELTS results.

CONDITIONAL ADMISSION

An applicant whose overall grade average and test scores indicate areas of academic concern and are not eligible for regular admission (2.5 CPGA/18ACT). However, upon the recommendation of the Vice President of Enrollment Services and with the approval of the Admissions Committee, an applicant may be granted Conditional admission. Specific program progression requirements may additionally apply to this status. The individual is considered to be on academic probation. Failure to attain a C average (2.00 G.P.A.) during the 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 appropriate approvals.

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.

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.

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. Some programs may have different requirements. 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

Tuition Deposit

Accepted students are required to pay a refundable deposit of \$200.00 to reserve their space in the class. The deposit deadline is May 1, deposits will be accepted after that date on a space available basis. The deposit is refundable if submitted prior to May 1, and if the student withdraws the deposit prior to May 1.

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 \$130 per credit during the fall or spring semesters for independent study credits up to an 18 credit load.

All fall or spring independent study credits which result in more than 18 credits in a semester are charged the current per credit fee. The student's account balance must be at zero to sign up for an independent study class.

Practicum/Internship Fee

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

HHP Class, Laboratory and Activity Fees

Additional charge for Labs & specialized activities may be applied where appropriate.

Winterim Tuition

Full-time students attending both the fall and spring semesters are entitled to the Winterim offering at the current Winterim fee schedule. 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

Lutheran Church Extension Fund Joyful Response Program

Tuition Payments may be made automatically each month, for a maximum of 4 payments per semester, from your LCEF Steward Account or a checking or savings account to CUW. A Joyful Response program enrollment form must be completed each semester and returned to CUW. Contact the business office at 262-243-4556.

TUITION REFUND - TRADITIONAL PROGRAM

After the start of a course, no refunds may be applied to a student's account without a written request to drop a course. Students who withdraw from classes will receive a pro-rated refund of educational fees according to the following schedule:

16 WEEK COURSE	WEEK 1 80%, W	WEEK 2 75%, W	WEEK 3 60%, W	WEEK 4 40%, W	WEEK 5 20%, W	WEEKS 6-10 0%, W	WEEKS 11-16 0%, F
12 WEEK COURSE	WEEK 1 80%, W	WEEK 2 75%, W	WEEK 3 50%, W	WEEK 4 25%, W	WEEKS 5-8 0%, W	WEEKS 9-12 0%, F	
10 WEEK COURSE	WEEK 1 75%, W	WEEK 2 50%, W	WEEK 3 25%, W	WEEKS 4-7 0%, W	WEEKS 8-10 0%, F		
8 WEEK COURSE	WEEK 1 75%, W	WEEK 2 50%, W	WEEK 3 25%, W	WEEKS 4-5 0%, W	WEEKS 6-8 0%, F		
6 WEEK COURSE	WEEK 1 60%, W	WEEK 2 40%, W	WEEKS 3-4 0%, W	WEEKS 5-6 0%, F			
4 WEEK COURSE	WEEK 1 50%, W	WEEK 2 25%, W	WEEK 3 0%, W	WEEK 4 0%, F			
3 WEEK COURSE	WEEK 1 50%, W	WEEK 2 0%, W	WEEK 3 0%, F				
ONLINE SELF-PACED	1-2 Submissions 75%, W	3-4 Submissions 50%, W	5-6 Submissions 25%, W	7+ Submissions 0%, W	Up to end of 9th WEEK 0%, W	After 9th WEEK 0%, F	

Students attending summer school who drop a course are charged according to the schedules listed above.

For example, a 10-session course will be prorated according to the 10-week schedule; or a 20-session class will be prorated according to the semester refund schedule. The fees will be imposed as of the date the drop form is received from the student. Food service fees are refunded on a pro-rated basis for the entire semester.

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

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.

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 October 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, contact the Financial Aid Office. Detailed information is also available in the form of a 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 non-need application must be filed with the Office of Financial Aid by January 31 (if not submitting the FAFSA). 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 October 1 and March 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.

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 \$5,815 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.

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.

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	Art/Music Theatre Scholarship	Presidential Scholarship	Regent
application for financial aid required	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	3.60/23	3.0/18
annual amount of scholarship	up to \$1,200	up to \$3,000	up to \$15,000	up to \$11,000
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	appropriate department	admissions department	admissions department
nomination deadline	none	January 15	March 15	March 15

Church vocation scholarships are awarded to eligible incoming 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 average \$500, 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 can be up to \$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

Many congregations directly assist their students with some educational expenses. 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 eighteen (18) 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 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 4.45% 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 7.0% 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.

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	
		Director of Church Ministries	2.5 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.

INTERCOLLEGIATE 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. 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 rehabilitation 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 rehabilitation 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 IN CHURCH WORK PROFESSIONS

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) helps students on their path to academic achievement by offering a variety of free services to CUW students. The LRC is located in Luther 200. Hours of operation are Monday - Friday, 8:00a.m. - 4:30p.m. For more information, please call 262-243-2623 or send an email to swlrc@cuw.edu.

Tutoring - Tutoring is available for frequently requested traditional undergraduate courses offered at CUW. The LRC's trained tutors help students understand course objectives, review material, prepare for quizzes and tests, and identify study techniques necessary to succeed in class. To sign up for tutoring visit tutortrac.cuw.edu

Supplemental Instruction (SI) - SI is a peer-facilitated, large group study session for courses that are historically difficult. SI leaders will collaborate with students and compare notes, discuss readings, develop organizational tools, and predict test items.

Writing Center - Students can bring in any paper, from any CUW course, at any stage in the writing process and receive feedback from one of the consultants in the Writing Center. Consultants will work one-on-one with students to generate topic ideas, gather evidence and support from sources, check formatting, and evaluate the paper for organization and clarity. To sign up for a writing consultation, visit tutortrac.cuw.edu.

Math Drop-In Desk - Students can drop in to the Math Desk (located inside the Learning Resource Center -LU 200) and receive a quick 30-minute math consultation. The Math Drop-In Desk is staffed by a resident math whiz and is available for all students who have general math questions or math-related coursework.

Peer Academic Coaching - Peer Academic Coaches (PACs) help students to develop executive functioning skills necessary for success in college. Peer coaches provide mentorship and model notetaking, organizational, and learning strategies for students.

Disability Support Services (DSS) - CU is committed to students with disabilities and ensuring academic accessibility needs. The LRC assists students with obtaining and implementing reasonable accommodations in accordance with Section 504 of the Rehabilitation Act, the Americans with Disabilities Act, and relevant regulations and case law. Students with disabilities should contact the LRC upon enrolling for further information about securing accommodations. If you are a student with a documented disability and need accommodations for any course, please register with Disability Support Services. Contact the Director of the Learning Resource Center and Disability Services by calling (262) 243-4299 and find out how to get started at www.cuw.edu/dss. Students with disabilities must self-identify with DSS and submit documentation from a licensed professional of his/her disability/impairment. For more information or to register for accommodations, please visit: www.cuw.edu/go/dss or email: dss@cuw.edu.

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.

CAREER SERVICES

Career Services provides assistance to all students and alumni by offering various resources and tools to help them accomplish their career goals. Available resources include resume and cover letter assistance, job search and salary negotiation strategies, career counseling, and an on-line job board. Career Services has adapted its services to meet the needs of off-campus students and now offers an e-critique resume option, Skype appointments and on-line tools. Visit the Career Services website at www.cuw.edu/careers to view a complete list of resources and services available.

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, Bachelor of Science Nursing, 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	3	6

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.

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.

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 0.67 points per credit		
F	— equals 0.00 points per credit		

FINAL EXAM EXEMPTIONS

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

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.

AUDITS POLICY

An audited class will appear on the transcript as a zero-grade point class with a grade of AU, and no credits earned. Students may sign up to audit a traditional class before the semester starts as long as there is room in the class; after the semester starts, students may change their registration status from enrolled for credit to audit up until the drop deadline. Students taking accelerated classes must register as an audit before the class starts. The university offers audits on a space-available basis, and programs/majors/instructors have the ability to not allow audits: such policies need to be stated in writing. Self-paced online classes cannot be audited.

A student who audits a course has access to the in-class (and/or online) didactic portions of the course. The student is expected to attend class, but the student is not required to participate in any of the course's assessment activities, and the instructor is not required to assess the student's progress in the course (that includes the formulation of a comprehensive assessment such as a course grade). The university does not require, expect, or allow the student with a documented disability - other than a physical disability - to participate in its disability services process, as the students will not take part in the university's course assessment. Skills courses, such as foreign language, applied music, and some art courses are not available for audit.

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:

American Bicentennial Award in Business Administration
 Walter W. Stuenkel Award
 E.R. Brann Citizenship Award
 Science Awards
 William Schickard Award in Computer Science
 Moeller Award in English, German, Greek,
 Hebrew, Latin, and Spanish

Religion Award
 Northup-Bartelt Memorial Music Award
 Wall Street Journal Award
 Nightingale Nursing Award
 Charles W. Finke Health and Human Performance Award
 Marsha Konz Student Educator Award
 Marsha Konz Graduate Educator Award

Student Life Awards
 Charles W. Finke Physical Education Award
 CUW Visual Arts Award
 Sarah Kierkegaard Philosophy Award
 Zondervan Publishing House Award in Greek,
 Hebrew, Theology

ACADEMIC PROBATION AND DISMISSAL POLICY

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

Appeal Process

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

Students who are dismissed from the University may schedule an appeal with the Traditional Undergraduate Academic Appeals Committee (TUAAC) through the Academic Office. On the day of the appeal meeting, students must present a letter to the Academic Office that explains why they were not successful and what they plan to do to improve their academic performance should they be readmitted. In most cases, the TUAAC will render a decision immediately after meeting with the student. Students who lose their appeal must sit out at least one semester, after which they may re-apply for admission. Their re-application will be enhanced if they can demonstrate academic success at another school in the intervening period. The TUAAC on the Mequon campus consists of the AVP of Academics for Student Success (who chairs the committee), the Registrar or designee, the Director of Advising and Retention, the Director of the Learning Resource Center and Disability Support Services, a representative from Student Life, the student's academic advisor, and one of the student's instructors. The TUAAC on the Ann Arbor campus consists of the CAO (who chairs the committee), the Asst. Registrar, the ARC Director, the Coordinator of Student Success and Retention, the Dean of Students, the student's academic advisor, and one of the student's instructors.

Design Your Future (DYF) students who are dismissed from the University may appeal to the DYF Director. On the day of the appeal meeting, students must present a letter to the committee that explains why they were not successful and what they plan to do to improve their academic performance should they be readmitted. The committee, comprised of the DYF Director, the AVP of Academics for Student Success, the appropriate Center Director, and DYF Academic Support Coordinator will meet with the student and render an immediate decision.

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

ACADEMIC MISCONDUCT

Academic honesty is the foundation of our educational institution. Without it, we make a mockery of the academic endeavor and the ultimate rewards associated with a degree in higher education. At Concordia, honesty is central to our Christian identity and way of relating to one another. The names of students found guilty of engaging in academic dishonesty will be reported to the Academic Office. Academic Misconduct can be defined in the following manner:

Cheating: includes, but is not limited to: a) the use of unauthorized assistance in taking any type of test or completing any type of classroom assignment; b) assisting another student in cheating on a test or class assignment, including impersonation of another student.

Plagiarism: includes, but is not limited to: a) failure to give full and clear acknowledgement of the source of any idea that is not your own; b) handing in the same assignment for two different courses without the consent of the instructors.

Fabrication: includes, but is not limited to: the forgery, alteration, or misuse of any University academic document, record, or instrument of identification.

Academic Misconduct: includes, but is not limited to: intentionally or recklessly interfering with teaching, research, and/or other academic functions.

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

2) Second instance: The faculty member determines the penalty, and the campus-specific Chief Academic Officer (CAO) or designee connects with the student at which time additional sanctions may be imposed.

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

Appeal Process

On the Mequon campus students may appeal a faculty-issued academic dishonesty decision or penalty in writing to the Dean of the School in which the course was offered within 15 working days of receiving the report. The Dean (in consultation with the Department Chair or Program Director or Center Director) will consider the appeal and render a decision within 10 working days of receiving the appeal and issue a written response to the student.

GENERAL ACADEMIC GRIEVANCES

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

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

Step II: Face-to-face Ann Arbor students should proceed to step III.

Traditional undergraduate students submit a written grievance to the Department Chair of the program in which the course was taught within 10 working days after meeting with the instructor. Upon receipt of the student's grievance, the Department Chair will notify the instructor, who will then have 10 working days to submit a written explanation of the incident to the Department Chair. Within 5 working days of receiving the instructor's report, the Department Chair will send a written response to the student and the instructor. Adult learners follow this step with their Center Director. Graduate students follow this step with their Program Director. Full-time online students follow this step with the Executive Director of the OCDE.

Step III: If the student is still not satisfied, s/he may file a written complaint with the Dean (at Mequon) or campus Dean (at Ann Arbor) of the School in which the course was taught within 10 working days of receiving the step II report (if applicable). The Dean or campus Dean will render a decision and send a written response to the student, the instructor, and the Step II University official (if applicable) within 10 working days of receiving the grievance.

GRADUATION

Concordia University confers the degree of Bachelor of Arts, Bachelor of Science, Bachelor of Science Nursing, 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 coursework completed at Concordia University.
2. Earned a minimum of 36 semester credits of academic work on campus, at least 12 of which should be in the major and 6 in the minor, and have spent the last two semesters in residence including the one immediately prior to graduation.
3. Satisfied all program-specific requirements.
4. Met all financial obligations to the University.

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 coursework completed at Concordia University.
2. 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.
3. Satisfied all program-specific requirements.
4. Met all financial obligations to the University.

GRADUATION APPLICATION

Each candidate for graduation must complete a Graduation Application online by the assigned deadline, prior to commencement.

GRADUATION FEE

A fee is assessed for all graduates to cover graduation expenses. The graduation fee is required of all students, whether or not they attend commencement.

COMMENCEMENT PARTICIPATION

In order to participate in commencement, the student must have:

1. Completed all coursework in the degree (or be in the process of taking the final class).
2. Completed the Graduation Application.
3. Paid the graduation fee.

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.

The Higher Learning Commission
230 South La Salle Street, Suite 7-500, Chicago, IL 60604-1413
(312) 263-0456, 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.

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

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)

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

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

4. Electives to reach a minimum total of 120/126 credit hours depending on academic program, 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 Elective 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

- | | |
|--|---|
| <p>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.</p> | <p>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.</p> |
| | <p>II. PROFESSIONAL COLLATERAL Minimum 27 crs.</p> |

ADVANCED TRANSFER CORE

- All students holding an accredited Associate Degree will be granted Advanced Transfer status.
- 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, the Marquette Army ROTC website 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 40 crs.

The Art Major consists of 40 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 are encouraged to 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 — 25 crs.

GD 111 Graphic Design II **OR**
 GD 110 Graphic Design I — 3 crs.
 ART 111 2D Composition — 3 crs.
 ART 210 3D Design — 3 crs.
 ART 145 Drawing for Art Majors — 3 crs.
 ART 246 Color and Media Dynamics — 3 crs.
 ART 285 Art History I — 3 crs.
 ART 286 Art History II — 3 crs.
 ART 381 Aesthetics — 3 crs.
 ART 450 Senior Portfolio/Show — 1 cr.

Electives — 15 crs.

Select from both lists - 2D or 3D for a total of 5 courses

2D	3D
ART 130/131 Photography I	ART 170 Ceramics I
ART 230 Printmaking I	ART 225 History of Architecture
ART 231 Photography II	ART 275 Sculpture I
ART 245 Drawing II	ART 29x Applied Design
ART 265 Painting I	ART 312 3D Modeling (new course)
ART 279/289 Travel Study	ART 358 Ceramics II
ART 29x Applied Design	ART 375 Sculpture II
ART 310 History of Design	ART xxx Special Topics in Art
ART 330 Printmaking II	
ART 331 Printmaking III	
ART 345 Drawing III	
ART 365 Painting II	
ART 383 History of Photography	
ART xxx Special Topics in Art	

* Any other 200-300 level studio courses

ART MINOR (non-licensable) 21 crs. (22 crs. if participating in the Senior Show)

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.

Design (Choose 1) — 3 crs.

GD 100 Digital Design Fundamentals — 3 crs.
 ART 100 Design Fundamentals — 3 crs.
 ART 210 3D Design (offered Spring of odd-numbered years only) — 3 crs.

Drawing — 6 crs.

ART 145 Drawing for Art Majors — 3 crs.
 ART 246 Color & Media Dynamics — 3 crs.

Art History — 6 crs.

ART 285 Art History I (offered Fall of odd-numbered years only) — 3 crs.
 ART 286 Art History II (offered Spring of even-numbered years only) — 3 crs.

Studio Electives (Choose 2) — 6 crs.

Note: one elective must be a GD course if GD100 was not taken as Design option above

ART450 Senior Show (Optional)

(offered Spring semester only) — 1 cr.

ART EDUCATION (K-12) MAJOR 57 crs + K-12 Education Requirements

The Art Education Major consists of 95 - 101 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 K-12 Education, art education majors complete the following required coursework in the areas of art, 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**Requirements —9 crs. see K-12 requirements for licensure as outlined by the School of Education**

AE 235 Elementary Art Education Theory & Practice — 3 crs.

AE 335 Secondary Art Education Theory & Practice — 3 crs.

AE 340 Curriculum Design for Art Education — 3 crs.

GRAPHIC DESIGN MAJOR 58 crs.

The Graphic Design Major consists of 58 credit hours of course work, 15-18 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 are encouraged to complete 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.**

Required Courses (Concordia Campus) - 40 crs.

GD 110 Graphic Design I — 3 crs.

GD 111 Graphic Design II — 3 crs.

ART 145 Drawing for Art Majors — 3 crs.

ART 111 or 110 2D Composition — 3 crs.

ART 131 or 130 Photography I — 3 crs.

ART 312 3D Modeling — 3 crs.

ART 246 Color and Media Dynamics — 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 460 Graphic Outlook I — 3 crs.

ART 450 Senior Portfolio/Show — 1 cr.

Required Courses (MIAD Campus) — 15 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.

DS 303 Communication Design III - 3 crs.

MIAD Elective (Graphic Design) — 3 crs.

Elective (CUW or MIAD) — 3 crs.**GRAPHIC DESIGN MINOR 21 crs. (22 crs. if participating in the Senior Show)**

Coursework in the 21-22 credit graphic design minor focuses on the development of visual organization, thinking and communication skills. Students become proficient in industry standard software and tools, and strengthen problem-solving capabilities.

Drawing (choose one) — 3 crs.

ART 145 Drawing for Art Majors — 3 crs.

ART 141 Drawing Fundamentals — 3 crs.

Design — 12 crs.

ART 111 2D Composition — 3 crs.

GD 100 Graphic Design I (Illustrator)

(offered Fall only) — 3 crs.

GD 111 Graphic Design II (Photoshop)

(offered Spring only) — 3 crs.

ART 310 History of Design (offered Spring,

odd # years only) — 3 crs.

Digital Elective (choose one) — 3 crs.

GD 100 Digital Design Fundamentals — 3 crs.

GD 360 Web Design I — 3 crs.

ART 130 Digital Photography — 3 crs.

Studio Elective — 3 crs.

Any ART ### studio course OR

GD361 Web Design II (prerequisite GD 360)

ART450 Senior Show (Optional)

(offered Spring semester only) — 1 cr.

ILLUSTRATION MAJOR 58 crs.

The Illustration Major consists of 58 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 are encouraged to 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.**

Required Courses (Concordia Campus) — 37 crs.

ART 111 or 110 2D Composition — 3 crs.
 ART 131 or 130 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 245 Drawing II — 3 crs.
 ART 246 Color and Media Dynamics — 3 crs.
 ART 285 Art History I — 3 crs.
 ART 286 Art History II — 3 crs.
 ART 310 History of Design - 3 crs.
 ART 345 Drawing III — 3 crs.
 GD 460 Graphic Outlook I — 3 crs.
 ART 450 Senior Show/Portfolio — 1 cr.

Required Courses (MIAD Campus) — 18 crs.

F 199 Intro to Advanced Study: Illustration Media — 3 crs.
 DS 202 Typography I — 3 crs.
 DS 210 Illustration I — 3 crs.
 DS 211 Illustration II — 3 crs.
 DS 214 Figure Drawing for Illustrators — 3 crs.
 DS 310 Illustration III — 3 crs.

Elective (CUW or MIAD) — 3 crs.**INTERIOR ARCHITECTURE DESIGN MAJOR 58 crs.**

Interior Architecture is a cooperative program with MIAD (Milwaukee Institute of Art and Design). Students take 34 credits at Concordia in addition to the Liberal Arts Core and 24 credits at MIAD (6 credits per semester for 2 years). There is a prerequisite of a 2.5 GPA or higher in all coursework before registering at MIAD. Students may take an additional 14 credits of electives or select a minor (18-24 credits). **For specific information about MIAD courses please visit the MIAD website at www.miad.edu.**

Required Courses (CUW) — 34 crs.

ART 110 or 111 2-D Composition — 3 cr.
 ART 145 Drawing for Art Majors — 3 cr.
 ART 246 Color and Media Dynamics — 3 cr.
 ART 312 3-D Modeling — 3 cr.
 ART 285 Art History I — 3 cr.
 ART 286 Art History II — 3 cr.
 ART 310 History of Design — 3 cr.
 GD 110 Graphic Design I — 3 cr
 GD 111 Graphic Design II — 3 cr.
 GD 361 Web Design — 3 cr.
 GD 460 Graphic Outlook/Senior Seminar — 3 cr.
 ART 450 Senior Portfolio — 1 cr.

Required Courses (MIAD) — 24 crs.

DS220: IAD I Residential Design — 3 cr.
 DS221: IAD II Work Space/Office Design — 3 cr.
 DS222: IAD Drawing/CAD I: Architectural Graphics — 1.5 cr.
 DS223: IAD Drawing/CAD II: Digital Modelling and Rendering — 1.5 cr.
 DS224: IAD Systems I: Concepts of Design — 1.5 cr.
 DS225: IAD Systems II: Materials, Finishes and Human Factors — 1.5 cr.
 DS320: IADIII Retail and Exhibit Design — 3 cr.
 DS321: IAD IV Collaborative Design-Build Studio — 3 cr.
 DS322: IAD Drawing/CAD III: Building Information Modeling — 1.5 cr.
 DS323: IAD Drawing/CAD IV: Advanced Bldg. Info Modeling — 1.5 cr.
 DS324: IAD Systems III: Electrical Lighting and Design — 1.5 cr.
 DS325: IAD Systems IV: Wall Types & Building Systems — 1.5 cr.

INTERIOR DESIGN MAJOR 46 crs.

The Interior Design Major consists of course work completed through a cooperative program with Milwaukee Area Technical College (MATC). 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.

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 in media or media-related fields.

MAJORS: Students majoring in Communication earn a total of 45-48 credits in majors including Mass Communication and Multimedia Communication, a minor in Theatre, and the forthcoming track in Journalism and Social Media. Students majoring in Communication take 24 credits in the Communication Core and 21-24 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-credit internship.

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 **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 minors for students majoring in a non-Communication field.** Each of our tracks (Mass Communication and Multimedia Communication) 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 24 crs. (Required for all Majors)

All Communication majors take the Common Core and choose at least one of two specializations (Mass Communication 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 (taken in Narrative Core) -- 3 crs.	COMM 265 Journalism -- 3 crs.
COMM 460 Cross Cultural Communication (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

The **Mass Communication Major** (45 credits) is fulfilled by taking **COMM 105, 189, 265, 280, 385, 470, 490, and the Communication Core.**
The **Mass Communication Minor** (21 credits) is earned by completing **COMM 105, 189, 265, 280, 385, 470, and 347** of the classes in this list.

COMM 191/193 Beacon and WCUW (at least 1 credit each) -- 3 crs.	Elective Majors and Minors should choose 3 credits of COMM electives. Minors must take a second choice from the courses above not taken.
COMM 250 Intro to Mass Communication -- 3 crs.	
COMM 321 Media Writing -- 3 crs.	
COMM 329 Film History OR	
COMM 371 Philosophy & Film -- 3 crs.	
COMM 339 Film and Video Production OR	
COMM 351 Radio Production -- 3 crs.	
COMM 270 Sports Journalism OR	

MULTIMEDIA MAJOR OR MINOR

The **Multimedia Major** (45 credits plus ART 110/ART 111) is fulfilled by taking the following courses plus the 24 credit Communication Core. The **Multimedia Minor** (24 credits) is earned by completing each of the classes in this list.

ART 110 Design I (2 Dim Design) **OR**

ART 111 2-D Design

(each fulfills Creative Arts requirement in Distributive Core) -- 3 crs.

COMM 322 Multimedia Design -- 3 crs.

COMM 339 Film and Video Production -- 3 crs.

COMM 347 Animation -- 3 crs.

COMM 348 Multimedia Production -- 3 crs.

COMM 439 Advanced Film & Video Production -- 3 crs.

COMM 448 Advanced Multimedia Production -- 3 crs.

ELECTIVE Choose from: ART 131, ART 231,

COMM 329, GD 100, GD 110, GD 360, MIAD DS 330,

or 3 credit Multimedia Internship -- 3 crs.

THEATRE MINOR

The **Theatre Minor** (24 credits) is earned by completing each of the classes in this list:

THTR 101 Theatre Practicum – 1 cr., taken 3 times

THTR 120 Orientation to Theatre – 3 crs.

THTR 231 Stagecraft – 3 crs.

THTR 261 Acting I Introduction to Acting – 3 crs. THTR

481: Theatre Internship – 3 crs.

THTR 490: Senior Capstone in Theatre – 3 crs.

ELECTIVE Choose from: THTR 100, THTR 103,

THTR 215, THTR 225, THTR 254, THTR 269,

THTR 331, THTR 363 – 3 crs.

ELECTIVE Choose from: THTR 203, THTR 311,

THTR 340, THTR 350, THTR 371, THTR 431,

THTR 463 – 3 crs.

Computer Science

Computer science and information technology are the foundations of 21st century technology. From animation to music, from automobiles to virtual reality, from analytics to informatics, from augmented reality to robotics, computer scientists and information technologists create and apply the technology that empowers society.

Computer science and information technology focus on real world problem solving. These programs are not just for geeks. CS and IT are for creative people who love to imagine possibilities, solve problems and make a difference in their service to Christ in the church and world.

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 and hardware technologies. More importantly, however, the computer scientist possesses a deep understanding of the concepts underlying current computing 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 information technologist is a person who is concerned with applying and managing current computing technology so other people can solve problems productively and efficiently. The information technologist is able to specify and manage the computing resources used in a business. Today every business and enterprise requires information technology to function competitively in the global economy. Succinctly, IT is the engine powering current information systems, and encompasses hardware, software, and people. Information technologists must empathize with their users in order to provide excellent technological solutions which not only work but are usable.

The computer science department offers a number of majors and minors in order to match student interests and abilities with meaningful vocations. See www.cs.cuw.edu for the latest information on Computer Science programs.

COMPUTER SCIENCE MAJOR

The BS degree program in Computer Science is designed for students who want to create software and design computer systems. Students interested in programming or working for software development firms should pursue this degree. This program provides students with a deep understanding of creating algorithms, programming, and heuristic problem solving. This program prepares students for vocations in high-tech and computer firms such as software engineer, mobile developer, database administrator, application developer, computer scientist, researcher, and graduate student.

The BS in CS is also suitable for students who want to design and create systems for businesses that aren't "computer specific," such as financial, healthcare, manufacturing, service and retail. This program prepares students for vocations such as programmer/analyst, software engineer, network administrator, systems analyst, software quality engineer, web developer, and information specialist.

The CS major is the option chosen by most students who want to become professional software developers. Those interested in video game programming also choose the CS major.

The computer science student should begin the Computer Science major program with a strong high school background in Mathematics, Science, and English.

Core Curriculum 48 credits

Any Calculus course is required for mathematics
Any 4 credit physical science course is required for lab science
SCI 275 is required for philosophical foundations

Major 51 credits

Required: 42 credits
CSC 150 Foundations of Computer Science
CSC 175 Informatics: Application of Technology
CSC 200 Foundations of Programming
CSC 250 Computer Science: Theory and Practice I
CSC 300 Computer Science: Theory and Practice II
CSC 350 Computer Operating Systems
CSC 370 Software Engineering
CSC 375 Computational Methods
CSC 415 Artificial Intelligence
CSC 420 Human Computer Interaction

Professional Core 9 credits

MATH 205 Statistics I
MATH 220 Discrete Mathematics
PHIL 211 Elementary Logic

CSC 426 Data Security
CSC 430 Database Systems
CSC 490 Theory of Computer Science
CSC 491 Senior Project

Electives: minimum of 9 credits
additional CSC courses approved by the department chair;
consult with your advisor for approval

Free Electives 12 credits +

Program total (minimum) for BS degree – **120 credits**

INFORMATION TECHNOLOGY MAJOR

The BS degree program in Information Technology is designed for students who are interested in specifying, managing and applying 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, network administrator, computer support engineer, technologist, information system trainer, technical marketing professional, communications engineer, telecommunications specialist, computer operations and data center director.

Core Curriculum 48 credits

SCI 275 is required for philosophical foundations
Note: IT majors cannot use CSC 150 to satisfy the core mathematics requirement

Professional Core 3 credits

PHIL 211 Elementary Logic

Major 40 credits

Required: 28 credits
CSC 150 Foundations of Computer Science
CSC 175 Informatics: Application of Technology
CSC 180 Readings in Science and Technology
CSC 200 Foundations of Programming

CSC 250 Computer Science Theory and Practice I
CSC 313 The IT Experience (1 credit)
CSC 370 Software Engineering
CSC 410 Ethical Computing
CSC 430 Database Systems
CSC 491 Senior Seminar II

Electives: minimum of 12 credits
additional CSC courses approved by the department chair;
consult with your advisor for approval

Minor 18 credits +

Free Electives 11 credits +

Program total (minimum) for BS degree – **120 credits**

COMPUTER SCIENCE MINOR PROGRAMS

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 or information technology minor is equivalent to an "MIS" degree offered at many institutions.

COMPUTER ANIMATION MINOR, 18 CREDITS

CSC 175 Informatics: Application of Technology
CSC 200 Foundations of Programming
CSC 210 The Art and Science of Computer Animation
CSC 315 Intermediate Computer Animation
CSC 335 Character and Story Development
CSC 435 Advanced Computer Animation

Students should consider taking CSC 150 to satisfy the Core Mathematics requirement since CSC 150 is the pre-requisite for both CSC 175 and CSC 200.

COMPUTER SCIENCE MINOR, 18 CREDITS

CSC 150 Foundations of Computer Science
CSC 175 Informatics: Application of Technology
CSC 200 Foundations of Programming
CSC 250 Computer Science: Theory and Practice I
CSC 300 Computer Science: Theory and Practice II
CSC 370 Software Engineering

GAME PROGRAMMING MINOR, 18 CREDITS

CSC 200 Foundations of Programming
CSC 250 Computer Science: Theory and Practice I
CSC 300 Computer Science: Theory and Practice II
CSC 355 Game Programming I
CSC 370 Software Engineering
CSC 455 Game Programming II

Students should consider taking CSC 150 to satisfy the Core Mathematics requirement since CSC 150 is the pre-requisite for CSC 200.

INFORMATION TECHNOLOGY MINOR, 18 CREDITS

CSC 150 Foundations of Computer Science
CSC 175 Informatics: Application of Technology
CSC 180 Readings in Science and Technology
CSC 200 Foundations of Programming

Electives – 6 credits

additional CSC courses approved by the department chair;
consult with your advisor for approval

MAJOR AND MINOR IN CS AND IT

A Computer Science major may minor in Information Technology and an Information Technology major may minor in Computer Science. In order to both major and minor in the Computer Science department, there can be no “double-dipping” of courses. In other words, the same course cannot count toward both the major and the minor.

In order for a CS major to complete a minor in IT, the student must complete 18 additional credits of CSC courses. If not completed in the major, the following courses must be completed for the IT minor: CSC 180, CSC 410, CSC 426, CSC 430 A total of 18 CSC course credits that are not counted within the CS major must be completed. Thus the student will complete 51 credits of CSC courses for the major and an additional 18 credits of CSC courses for the minor.

In order for an IT major to complete a minor in CS, the student must complete 21 additional credits of CSC courses. If not completed in the major, the following courses must be completed for the CS minor: CSC 300, CSC 415, CSC 430, CSC 490 A total of 21 CSC course credits that are not counted within the IT major must be completed. Thus the student will complete 40 credits of CSC courses for the major and an additional 21 credits of CSC courses for the minor.

English

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

ENG 190 Introduction to English Studies
(Optional but strongly preferred for English majors, satisfies core literature requirement)

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.

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.

WRITING EMPHASIS MINOR 18 crs.

ENG 305 English Grammar and Usage - 3 crs.

ENG 365 English - Its Cultural Development - 3 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 Core:

BIO 191 Functional Anatomy & Physiology I
(satisfies core life science requirement) - 4 crs.

Required Courses - 25 - 27 crs.

HHP 209 First Aid and CPR - 2 crs.

HHP 272 Introduction to Athletic Training
with Lab - 3 crs.

HHP 275 Administration and Organization of Sport - 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.

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 290 Theory & Techniques of Coaching Wrestling HHP

490 Coaching Practicum - 1 - 3 crs.

MASTER OF SCIENCE IN ATHLETIC TRAINING

GENERAL ACADEMIC INFORMATION

The Master of Science in Athletic Training (MSAT) program at Concordia University Wisconsin (CUW) is a five-year Entry-Level Athletic Training Program. The objective of this program is to prepare graduates to enter into variety of employment settings and to render health care to diverse individuals engaged in physical activity.

The MSAT program at CUW is designed to satisfy all of the requirements set forth by the Commission on Accreditation of Athletic Training Education (CAATE) for an accredited program, as well as the graduation requirements for CUW. Meeting the CAATE requirements will allow the Athletic Training Student to take the Board of Certification (BOC) Computer Based Examination, which one must pass in order to practice professionally as an athletic trainer. The students who complete this program will be awarded a Bachelor of Science in Sports Medicine degree and a Master of Science in Athletic Training degree.

There are two main components to the MSAT program:

1. Classroom Education: The MSAT program consists of CUW undergraduate level core courses, athletic training undergraduate and graduate level core courses, and approved graduate level elective courses.
2. Clinical Education: The MSAT program enhances the classroom education with extensive hands-on clinical experiences in a variety of settings. The students in the MSAT program will complete approximately four years of clinical rotations, concentrated during the second, third, fourth, and fifth years.

CURRICULUM

Athletic Training Core Curriculum 98 Credits

BIO 192: Human Anatomy and Physiology II (4 credits)
 EXPH 470: Exercise Physiology (4 credits)
 HHP 342: Nutrition for Wellness and Performance (3 credits)
 MSAT 115: Medical Terminology for the Health Professions (1 credit)
 MSAT 130: Advanced Weight Training (2 credits)
 MSAT 163: Freshman Fast Track I (1 credit) (not required)
 MSAT 164: Freshman Fast Track II (1 credit) (not required)
 MSAT 172: Athletic Training Foundations (3 credits)
 MSAT 205: First Aid and Emergency Procedures (3 credits)
 MSAT 272/273: Introduction to Athletic Training with Lab (3 credits)
 MSAT 289: Athletic Training Seminar (1 credit) (taken 4 consecutive semesters = 4 credits total)
 MSAT 291: Athletic Training Practicum I (3 credits)
 MSAT 292: Athletic Training Practicum II (3 credits)
 MSAT 301: Rehabilitation Techniques of Athletic Injuries with Lab (3 credits)
 MSAT 303: Therapeutic Modalities with Lab (3 credits)
 MSAT 312: Administration and Organization of Athletic Training (3 credits)
 MSAT 330: Manual Muscle Testing (2 credits)
 MSAT 348: Palpatory Anatomy of the Human Body (2 credits)
 MSAT 350: Applied Biomechanics and Arthrokinematics (3 credits)

MSAT 372: Recognition and Evaluation of Athletic Injuries I with Lab (3 credits)
 MSAT 376: Recognition and Evaluation of Athletic Injuries II with Lab (3 credits)
 MSAT 380: Recognition and Evaluation of Athletic Injuries III with Lab (3 credits)
 MSAT 391: Athletic Training Practicum III (3 credits)
 MSAT 392: Athletic Training Practicum IV (3 credits)
 MSAT 403: Advanced Injury Management (3 credits)
 MSAT 491: Athletic Training Practicum V (3 credits)
 MSAT 492: Athletic Training Practicum VI (3 credits)
 MSAT 501: Manual Based Exam and Treatment (3 credits)
 MSAT 510: Pathophysiology, Pharmacology, and General Medicine (4 credits)
 MSAT 520: Basic Statistics for Athletic Trainers (3 credits)
 MSAT 530: Psychosocial Aspects of Athletic Training (3 credits)
 MSAT 540: Applied Kinesiology (3 credits)
 MSAT 569: Research Methods (3 credits)
 MSAT 600: Thesis (3 credits) (taken 2 consecutive semesters = 6 credits total)

Electives (Graduate level courses) 9 credits

Select 3 courses from the Approved List of Electives (9 credits)

ADMISSION PROCESS

The Master of Science in Athletic Training (MSAT) program is a selective program that accepts up to approximately twenty students each year. The model used is an 8:1 ratio (Student : Preceptor ratio). This model promotes educational quality, provides the students with opportunities for hands-on learning, and maintains compliance with CAATE accreditation standards.

Prospective Athletic Training Students will formally apply to the Athletic Training Program during the spring semester of their first year of coursework. Once admitted to the program, the students will complete the remaining four years of core curriculum and athletic training coursework.

NOTE: Following admission to the Athletic Training Program, students may be responsible for obtaining and submitting background checks, flu shots, and any other relevant requirements in order to be eligible for certain clinical education rotations in the health care setting.

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

1. Earn a Cumulative Grade Point Average (CGPA) of 2.75 in all course work.
2. Earn a Cumulative Grade Point Average (CGPA) of 3.00 in all major course work.
3. Complete the Athletic Training Program application by the specified date.
4. Interview with Athletic Training Program Admissions Committee.
5. Complete and pass the following courses with a grade of B (3.0) or higher::
 - a. MSAT 115 (Medical Terminology): with a grade of B (3.0) or higher
 - b. MSAT 130 (Advanced Weight Training): with a grade of B (3.0) or higher

- c. MSAT 172 (Athletic Training Foundations): with a grade of a B (3.0) or higher
 - d. MSAT 205 (First Aid & Emergency Procedures): with a grade of a B (3.0) or higher
 - e. MSAT 272/273 (Intro to Athletic Training): with a grade of a B (3.0) or higher
6. Complete and pass the following courses with a grade of C (2.0) or higher:
- a. BIO I 91 & I 92 (Anatomy & Physiology I & II)

RETENTION STANDARDS

Once admitted to the MSAT program, all Athletic Training Students must meet the following Retention Standards:

1. Maintain a Cumulative Grade Point Average (CGPA) of 2.75 in all course work.
2. Maintain a Cumulative Grade Point Average (CGPA) of 3.00 in major course work.
3. Must pass all Practicum courses (MSAT 291, MSAT 292, MSAT 391, MSAT 392, MSAT 491, MSAT 492) with a grade of a B (3.0) or higher.
4. Must pass all required athletic training courses, in sequence, in order to progress in the Athletic Training Program. If a student does not pass a course during a particular semester, that student cannot progress in the program until the course has been re-taken and the student has passed the course. Students who do not pass an athletic training course during the first attempt may re-take that course one additional time in an effort to pass the class. Students will not be allowed to take any athletic training course more than two times.
5. Maintain required and scheduled clinical experience hours.
6. Must follow all Athletic Training Program Policies and Procedures in the Athletic Training Program Handbook.

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 191 Functional Human Anatomy & Physiology I w/lab - 4 crs.
 BIO 192 Functional Human Anatomy & Physiology II w/ lab - 4 crs.
 BIO 285 Pathophysiology - 3 crs.
 HHP 280 Psychology of Sport - 3 crs.
 HHP 342 Nutrition for Wellness & Perf. - 3 crs.
 EXPH 470 Exercise Physiology - 4 crs.
 HHP 373 Motor Development - 3 crs.
 HHP 375 Biomechanics - 3 crs.
 EXPH 225 Introduction to Exercise Science - 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 Strength and Conditioning Program Design - 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.
 BIO 301 Advanced Functional Anatomy and Physiology

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 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.
 U.S. or European history - 3 crs.

CLASSICAL EDUCATION PROGRAM

The classical education program is intended to prepare students who wish to teach in schools and academies which have adopted a classical paradigm for their curricula and principles of pedagogy. It consists of a Classical Studies Major (giving a solid grounding in classical learning) and a Classical Pedagogy Minor, which provides training in distinctively classical principles of instruction and methods of learning. By themselves, the Major and Minor do not lead to DPI certification or a Lutheran Teacher Diploma. Students who wish to attain DPI certification will need to take a second DPI-certifiable major and the classes required for post-bac certification at graduation or thereafter.

Core requirements for classical education program: 18 crs.

Classical Education students should take the church work track in the core, with their theology elective specified as REL 333 A Survey of Christian Thought.

REL 201 The Old Testament - 3 crs.

REL 204 Biblical Theology - 3 crs.

REL 333 A Survey of Christian Thought - 3 crs.
 PHIL 101 Philosophy: Theory and Practice - 3 crs.
 LAT (3 credits) for the language requirement - 3 crs.
 LAT (3 credits) for the culture requirement - 3 crs.

PHIL 425 Advanced Christian Apologetics - 3 crs.

Classical Studies Major: 36 Credits

- 1) 1 year of Latin (6 crs. beyond the 6 in the core).
- 2) Theology (6 crs.):
 REL 203 The New Testament (OT taken in core) - 3crs.
 REL 404 Lutheran Confessions - 3 crs.
- 3) History (6 crs.) from:
 HIST 208 History of Christianity - 3crs.
 HIST 277 Byzantium - 3 crs.
 HIST 322 The Classical World - 3 crs.
 HIST 356 The Middle Ages - 3 crs.
 HIST 358 Renaissance/Reformation Europe - 3 crs.
 HIST 475 The Reformations - 3 crs.
- 4) Philosophy (6 crs.) from:
 PHIL 201 Central Texts of Philosophy - 3 crs.
 PHIL 211 Elementary Logic - 3crs.
 PHIL 250 Moral Philosophy - 3 crs.
 PHIL 400 Ancient Philosophy /
 PHIL 410 Mediaeval Philosophy - 3 crs.
 PHIL 325 Christian Apologetics /

- 5) Literature (6 crs.) from:
 ENG 305 Advanced Grammar and Usage - 3 crs.
 ENG 344 English Literature I - 3 crs.
 ENG 347 World Literature I - 3 crs.
 ENG 465 Shakespeare - 3 crs.
- 6) Fine Arts (6 crs.) from:
 ART 285 Art History I - 3crs.
 ART 286 Art History II - 3crs.
 ART 381 Aesthetics - 3 crs.
 MUS 271 Music History I - 3 crs.
 MUS 272 Music History II - 3 crs.
 MUS 273 Music History III - 3 crs.
 THTR 100 Cultural Experience through Directed
 Travel Study -3crs.
 THTR 120 Orientation to Theater - 3 crs.

Classical Pedagogy Minor: 18 (Or 21*) Crs.

PSY 221 Child Development - 3 crs.

OR PSY 222 Adolescent Development - 3 crs.

PSY 305 Psychology of Teaching and Learning - 3 crs.
(new course)

ENG 350 Classical and Modern Rhetoric - 3 crs.

LA 305 Teaching Methods of Classical Education - 3 crs.
(new course)

HIST 401 History of Education in the Western
Tradition - 3 crs.

LEGL 325 Legal Landscape for American Schools - 3 crs.
(new course)

*REL 203 The New Testament - 3 crs.
(waived if taken in the major)*

Prior to their student teaching experience, all students are required to accumulate 100 hours of relevant, authentic, pre-student teaching experience (i.e., supervised classroom activities that provide practical experience for the prospective teacher). For Classical Education students, these experiences should occur as much as practicable in local area classical schools and academies. Additional hours and assessments are required for those seeking licensure from the CUW School of Education.

Liberal Arts

LIBERAL ARTS CORE (existing) 48 credit hours

LIBERAL ARTS MAJOR 56 - 57 credit hours

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

English - 9 credit hours

(must include at least one writing course)

ENG 245 Advanced Writing

Choose one of these three classes:

ENG 341 American Literature I or

ENG 342 American Literature II or

ENG 347 World Literature I

Choose one of these three classes:

ENG 344 English Literature I or

ENG 345 English Literature II or

ENG 465 Shakespeare

History - 6 credit hours

HIST 153 American Civilization

HIST 163 Non-Western World

HIST 385 Historical Methods

Mathematics/Computer Science - 6 credit hours

Select from:

MATH 128 College Algebra

MATH 150 Trigonometry

MATH 201 Calculus I

MATH 202 Calculus II

MATH 203 Calculus III

MATH 205 Statistics I

MATH 305 Statistics II

CSC 150 Foundations of Computer Science

(must precede other CS courses)

CSC 175 Advanced Software Applications

CSC 180 Readings in Science and Technology

CSC 200 Foundations of Programming

Communication - 3 credit hours

COMM 105 Public Speaking or

COMM 201 Interpersonal Communication

Art/Music/Theatre - 6 credit hours

Select from:

MUS 171 Creative Arts Music

MUS 240 Music Theory I

Music Ensembles

ART 2xx Studio Courses at the 200 level or above

ART 381 Aesthetics

Physical Development - 2 credit hours

Select from:

HHP 105 Introduction to Lifetime Fitness (Wellness Program)

HHP 149 Wellness Boot Camp

HHP 260 Personal, Family and Community Health

HHP 265 Healthy Lifestyles

HHP 280 Psychology of Sport

HHP 342 Nutrition and Wellness

HHP 361 Technology in Health and Human Performance

HHP 373 Exercise Physiology

HHP 373 Motor Development

Any combination of Activity courses

Language - 6 credit hours

Any two course sequence in a single language.

Theology - 6 credit hours

Any REL courses other than the basic courses in biblical content or doctrine (i.e., other than REL 100, 110, 201, 203, 204), and without "double-dipping" with the third core theology course.

Suggested:

REL 310 Religion in America Today

REL 333 A Survey of Christian Thought

REL 376 Christian Ethics

REL 410 World Religions.

Philosophy - 3 credit hours

Any PHIL course in the 200-300 range.

Natural Science (SCI 100 for core) 3 - 4 credit hours

BIO 140 General Biology

BIO 256 Environmental Science

BIO 367 Ecology of the Tropics

PHYS 107 Astronomy

SCI 135 Earth Science

SCI 195 Meteorology

SCI 246 Oceanography

Social Science

SOC 203 Contemporary Social Problems - 3 credit hours

Senior Seminar (in selected discipline) - 3 credit hours

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.

Modern Languages

ENGLISH LANGUAGE INSTITUTE

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 ELI 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 ELI program.

GERMAN MAJOR 33 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 (generally taken during study abroad) - 9 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.

SIGN LANGUAGE INTERPRETING

The Sign Language Interpreting major is a cooperative program with Milwaukee Area Technical College (MATC). Students who follow this joint program may receive two degrees: an Associate's Degree from MATC and the Bachelor's Degree, Sign Language Interpreting, from Concordia University. A student matriculating first at Concordia University will take most courses on the Concordia campus during the first two semesters, while most of the third, fourth, fifth, and sixth semesters will be at MATC. The final two semesters will again be at Concordia. Contact the Modern Language Department for additional information about this program.

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

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 presented in electronic format with links provided before audition;
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. Accepted - This grants formal acceptance into upper division status.
 - b. Provisional - A repeat of the audition is requested by the Faculty at the end of the next semester to show more progress.
 - c. Fail - The student is not accepted as a music major.

MUSIC MAJOR 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)

MUSIC MINOR 24 crs.

Required Courses:

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.

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 Symphonic Wind Ensemble
- MUS 182 Chapel Choir
- MUS 184 Kammerchor
- MUS 185 The Alleluia Ringers
- MUS 187 Falcon Pep Band
- MUS 188 Jazz Ensemble
- MUS 190 String Ensemble/Chamber Orchestra
- MUS 191 Selah
- MUS 192 University Band
- MUS 197 Concordia Civic Chorale

Theology Elective: - 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

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 While studying music at CUW, you have the opportunity to concurrently work toward a Music Therapy Equivalency through Alverno College. The Equivalency option allows you to focus on specific courses required to become a board certified music therapist. The student will follow the CUW Liberal Arts Music Major curriculum.

Natural Sciences

BIOLOGY MAJOR 56 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 275 Cosmogony

Recommended Core Courses:

- Social Science:** PSY 101 General Psychology
- Citizenship:** JPP/LEGL 230 Environmental Law
- Culture:** BIO 367 Ecology of the Tropics

Required Courses: 42 credits

- BIO 141 General Biology I - 4 crs. **OR**
- BIO 151 Functional Human Biology I - 4 crs.
- BIO 240 Zoology - 4 crs.
- BIO 244 Botany - 4 crs.
- BIO 260 Microbiology - 4 crs.
- BIO 348 Genetics - 4 crs.
- BIO 490 Biology Senior Seminar - 2 crs. (1 cr./semester)
- CHEM 141 General Chemistry I - (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.

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.

MUS 491 Parish Music Practicum/Internship (120 hours) - 3 crs.

Choose one of the following three: - 3 crs.

MUS 422 Organ Literature **OR**

MUS 469 Issues in Church Music **OR**

MUS 485 Handbell Methods and Materials

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.)

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 156 Environmental Science - 4 crs.

BIO 191 Human Anatomy & Physiology I - 4 crs. **OR**

BIO 181 Functional Anatomy & Physiology I - 4 crs.

BIO 192 Human Anatomy & Physiology II - 4 crs. **OR**

BIO 182 Functional Anatomy & Physiology II - 4 crs.

BIO 285 Pathophysiology - 3 crs.

BIO 301 Advanced Functional Anatomy & Physiology

BIO 321 Cell Biology - 4 crs.

BIO 367 Ecology of the Tropics - 3 crs.

(If not taken in the core)

BIO 368 Ecology of the Tropics Lab -1 cr.

BIO 370 Ornithology - 4 crs.

BIO 381 Histology - 3 crs.

BIO 399 Biology Internship - 1-4 crs.

BIO 410 Ecology - 4 crs.

BIO 417 Plant Anatomy - 4 crs.

BIO 420 Molecular Genetics - 4 crs.

BIO 430 Pharmacology - 3 crs.

BIO 444 Systematics - 4 crs.

BIO 445 Biological Methods - 4 crs.

BIO 470 Human Physiology - 4 crs.

BIO 499 Undergraduate Research - 1 - 4 crs.

CHEM 361 Environmental Chemistry and Toxicology - 3 crs.

CHEM 425 Biochemistry - 4 crs.

SCI 275 Cosmogony - 3 crs.

(Elective if not taken in Narrative Core)

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

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 141 General Biology I **OR**

BIO 151 Functional Human Biology I **OR**

SCI 152 Life Sciences - 4 crs.

BIO 146 Essentials of Anatomy and Physiology - 4 crs.

BIO 240 Zoology - 4 crs.

BIO 244 Botany - 4 crs.

BIO 156 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 the 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.

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

BIOMEDICAL SCIENCES GENERAL REQUIREMENTS

(38 Crs + 10 Crs Associated Classes In Core Curriculum)

BIO 151 Functional Human Biology I - 4 crs.

BIO 152 Functional Human Biology II - 4 crs.

BIO 260 Microbiology - 4 crs.

BIO 321 Cell Biology - 4 crs.

BIO 348 Genetics - 4 crs.

BIO 490 Senior Seminar - 2 crs.

(1 credit course taken twice)

CHEM 141 General Chemistry I - 4 crs.

(taken in Elective Core)

CHEM 142 General Chemistry II - 4 crs.

CHEM 241 Organic Chemistry I - 4 crs. **OR**

CHEM 215 Survey of Organic Chemistry - 4 crs.

PHYS 151 Physics I - 4 crs. **OR**

PHYS 171 University Physics I - 4 crs.

PHYS 152 Physics II - 4 crs. **OR**

PHYS 172 University Physics II - 4 crs.

PHIL 350 Bioethical Dilemmas in Contemporary Society - 3 crs. (taken in Narrative Core)

MATH 205 Statistics - 3 crs. (taken in Elective core)

And Complete One Of The Following 3 Tracks:**1. PRE-MEDICAL TRACK**

(23-24 crs + 3 crs associated class in core curriculum)

BIO 171 Human Anatomy & Physiology I - 4 crs. **OR**

BIO 181 Functional Anatomy & Physiology I - 4 crs. **BIO**

172 Human Anatomy & Physiology II - 4 crs. **OR**

BIO 182 Functional Anatomy & Physiology II - 4 crs.

CHEM 242 Organic Chemistry II - 4 crs.

CHEM 425 Biochemistry - 4 crs.

PSY 101 General Psychology - 3 crs. (taken in Elective Core)

Additional 7 crs. from electives

**Other classes strongly recommend:
(don't count towards major)**

SOC 101 Introduction to Sociology - 3 crs.

MATH 201 Calculus I - 4 crs

2. HUMAN BIOLOGY TRACK**(23-26 crs+3 crs associated class in core curriculum)**

BIO 191 Human Anatomy & Physiology I - 4 crs. OR
 BIO 181 Functional Anatomy & Physiology I - 4 crs.
 BIO 192 Human Anatomy & Physiology II - 4 crs. OR
 BIO 182 Functional Anatomy & Physiology II - 4 crs.
 PSY 101 General Psychology - 3 crs. (taken in Elective Core)
 MATH 202 Calculus II - 4 crs.
 PHYS 151 General Physics I - 4 crs. OR
 PHYS 171 University Physics I - 4 crs.

3. RESEARCH TRACK (23-24 CREDITS)

CHEM 242 Organic Chemistry II - 4 crs. AND
 CHEM 425 Biochemistry - 4 crs.
 BIO 420 Molecular Genetics - 4 crs.
 Additional 8 crs. from electives
 MATH 201 Calculus I (strongly recommended)

ELECTIVES

BIO 285 Pathophysiology - 3 crs.
 BIO 301 Advanced Functional Anatomy &
 Physiology - 4 crs.
 BIO 351 Immunology - 3 crs.
 BIO 367/368 Ecology of the Tropics (with lab) - 4 crs.
 BIO 381 Histology - 3 crs.
 BIO 399 Biology Internship* - 1 - 4 crs.
 BIO 420 Molecular Genetics - 4 crs.
 BIO 430 Pharmacology - 3 crs.

*No more than 3 credits of 399 and/or 499 may count towards major requirements

CHEMISTRY MAJOR 46 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 Core Courses:

Lab Science: CHEM 141 General Chemistry I - 4 crs.
 Mathematics: MATH 201 Calculus I - 4 crs.

Required Courses: 46 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 202 Calculus II - 4 crs.
 PHYS 171 University Physics I - 4 cr.
 PHYS 172, University Physics II - 4 crs.

PHYS 152 General Physics I - 4 crs. OR
 PHYS 172 University Physics I - 4 crs.

AND Select 5 classes from following: (15 - 18 crs.)

BIO 285 Pathophysiology - 3 crs.
 BIO 351 Immunology - 3 crs.
 BIO 381 Histology - 3 crs.
 BIO 430 Pharmacology - 3 crs.
 BIO 470 Human Physiology - 4 crs.

Up to 2 additional classes from electives

AND Select at least 3 credits:

BIO 399 Biology Internship - 1-3 crs.
 BIO 445 Biological Methods - 4 crs.
 BIO 499 Undergraduate Research - 1-3 crs.
 CHEM 399 Chemistry Internship - 1-3 crs.
 CHEM 499 Undergraduate Research - 1-3 crs.

BIO 445 Biological Methods - 4 crs.
 BIO 470 Human Physiology - 4 crs. I
 BIO 499 Undergraduate Research* - 1 - 4 crs.
 CHEM 242 Organic Chemistry II - 4 crs.
 CHEM 361 Environmental Chemistry
 and Toxicology - 3 crs.
 CHEM 399 Chemistry Internship* - 1 - 4 crs.
 CHEM 499 Undergraduate Research* - 1 - 4 crs.
 HPP 417 Advanced Exercise Physiology - 4 crs.
 PHIL 309 History and Philosophy of Science - 3 crs.
 SCI 275 Cosmogony - 3 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 - up to 4 credits, 1-4 credits per semester.

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 crs.

A chemistry minor may be of interest to students who desire a more in-depth understanding of the importance of chemistry in today's world. Students are expected to have a mastery of the concepts covered in MATH 121. A student seeking a minor in chemistry at CUW must take:

Required Courses:

CHEM 141 General Chemistry I - 4 crs.
CHEM 142 General Chemistry II - 4 crs.

and at least two chemistry electives from each category below (total of at least 15 credits)

Category I:

*CHEM 215 Survey of Organic Chem - 4 crs.
*CHEM 241 Organic Chemistry I - 4 crs.
*CHEM 242 Organic Chemistry II - 4 crs.
CHEM 425 Biochemistry - 4 crs.
CHEM 435 Advanced Organic Chemistry - 4 crs.

Category II:

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 361 Environmental Chemistry & Toxicology - 3 crs.
CHEM 445 Advanced Inorganic Chemistry - 4 crs.
CHEM 455 Instrumental Analysis - 4 crs.

*either CHEM 215 or CHEM 241/242 can be counted toward the minor.

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://www.matc.edu/>

Required Core Courses:

Science:

BIO 156 Environmental Science - 4 crs.

Philosophical Foundation:

PHIL 240 Environmental Ethics - 3 crs.

Mathematics:

MATH 205 Statistics I - 3 crs.

Citizenship:

LEGL 230 Environmental Law - 3 crs.

Required Courses:

ENVHEL 101 Introduction to

Environmental Health - 3 crs.

ENVHEL 102 Environmental Biology - 4 crs.

ENVHEL 109 Applied Environmental Chemistry - 4 crs.

ENVHEL 142 Principles of Water Resources - 3 crs.

ENVHEL 145 Water/Wastewater Operations -
Municipal - 3 crs.

ENVHEL 173 Environmental Bacteriology - 3 crs.

ENVHEL 104 Industrial Hygiene Technology - 4 crs.

ENVHEL 111 Applied Water Chemistry and Analysis - 4 crs.

ENVHEL 115 Air Pollution Technology - 4 crs.

ENVHEL 146 Water/Wastewater Operations -
Industrial - 2 crs.

ENVHEL 105 Fundamentals of Hazardous
Materials Control - 4 crs.

ENVHEL 119 Food and Dairy Quality Control - 3 crs.

ENVHEL 143 Interpersonal Communication

Skills and Environmental Management - 3 crs.

Suggested Electives: 6crs.

ENVHEL 126 Environmental Lab Project - 3 crs.

ENVHEL 127 Environmental Field Project - 3 crs.

ENVIRONMENTAL STUDIES MAJOR 47 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 I

Lab Science: BIO 156 Environmental Science

Biological Science - 19 crs.

BIO 244 Botany - 4 crs.

BIO 240 Zoology - 4 crs.

BIO 348 Genetics - 4 crs.

BIO 399 Internship - 2 crs.

BIO 410 Ecology - 4 crs.

BIO 490 Biology Senior Seminar (fall) - 1 cr.

Physical and Earth Science - 15 crs.

CHEM 105 Elements of General and Biological Chemistry **OR**

CHEM 141 General Chemistry I - 4 crs.

CHEM 361 Environmental Chemistry/Toxicology - 3 crs.

SCI 246 Oceanography - 4 crs.

SCI 235 Earth Science - 4 crs.

Electives in Major -- Choose a minimum of 13 crs. from the following:

BIO 260 Microbiology - 3 crs.
 BIO 368 Ecology of the Tropics Lab -1 cr.
 BIO 370 Ornithology - 4 crs.
 BIO 399 Biology Internship - 1 - 4 crs.
 BIO 417 Plant Anatomy - 4 crs.
 BIO 141 General Biology I **OR** BIO 151 Functional Human
 Biology I **OR** SCI 152 Life Sciences - 4 crs.
 BIO 146 Essentials of Anatomy & Physiology - 4 crs.

BIO 490 - additional 1 cr.
 ENG 360 Environmental Literature - 3 crs.
 SCI 195 Meteorology - 3 crs.
 SCI 275 Cosmogony - 3 crs.
 ART 222 Outdoor Drawing and Painting - 3 crs.
 POLS 221 Environmental Policies - 3 crs.
 CHEM - any chemistry course above the 105 level
 PHYS - any physics course 3 - 4 crs.

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

BIO 141 General Biology I **OR**
 SCI 152 Life Sciences - 4 crs.
 BIO 156 Environmental Science - 4 crs.

BIO 410 Ecology - 4 crs.
 CHEM 105 Elements of General and
 Biological Chemistry - 4 crs.
 SCI 235 Earth Science - 4 crs.
 Elective subject to Science Faculty approval - 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://www.matc.edu/>

REQUIRED HORTICULTURE COURSES (MATC CAMPUS) – 31 Crs:

* courses common to all horticulture students

REQUIRED CORE COURSES (CUW CAMPUS):**Philosophical Foundation:**

PHIL 240 Environmental Ethics

Mathematics:

MATH 205 Statistics I

Science:

BIO 156 Environmental Science

Citizenship:

JPP/LEGL 230 Environmental Law

Recommended Core Courses:

Culture: BIO 367 Ecology of the Tropics

*HORT 111 Introduction to Horticulture - 3 crs.
 *HORT 112 Horticulture Soils - 3 crs.
 *HORT 114 Woody Ornamental Plants - 3 crs.
 *HORT 116 Landscape Equipment - 3 crs.
 *HORT 113 Ornamental Plant Healthcare - 3 crs.
 *HORT 159 Survey of Herbaceous Plants - 2 crs.

*HORT 122 Landscape Design I - 3 crs.
 *HORT 126 Landscape Estimating & Bidding - 3 crs.
 *HORT 118 Landscape Business Principles - 3 crs.
 *HORT 125 Landscape Maintenance Applications - 3 crs.
 *HORT 132 Communications & Marketing - 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 Landscape Design III - 2 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.

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.

SUGGESTED ELECTIVES:

HORT 128 Arboriculture II - Tree Climbing and Pruning
 HORT 140 CAD Landscape Design I
 HORT 163 Native Plants - Fall
 HORT 152 Greenhouse Production - Spring

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

PHIL 240 Environmental Ethics

Mathematics: MATH 205 Statistics I

Science: SCI 235 Earth Science

Recommended Core Courses:

Citizenship: LEGL 230 Environmental Law

Culture: BIO 367 Ecology of the Tropics

Social Science: PSY 101 General Psychology

OPTION I: BIOLOGY/ENVIRONMENTAL SCIENCE EMPHASIS**Biology/Environmental Science Subcategory — Choose 25 crs. from the following:**

BIO 141 General Biology I **OR**
 SCI 152 Life Sciences - 4 crs.
 BIO 146 Essentials of Anatomy/Physiology - 4 crs.
 BIO 240 Zoology -4 crs.
 BIO 244 Botany -4 crs.
 BIO 156 Environmental Science - 4 crs.
 BIO 348 Genetics - 4 crs.
 BIO 490 Biology Senior Seminar - 1 cr. (Fall Semester)

Earth Science Subcategory –13 crs.

PHYS 107 Astronomy - 3 crs.
 SCI 195 Meteorology - 3 crs.

OPTION II: PHYSICAL SCIENCE EMPHASIS**Physical Science Subcategory – 23 crs.**

PHYS 151 Physics I - 4 crs. **OR**
 PHYS 171 University Physics II - 4 crs.
 PHYS 152 Physics II - 4 crs. **OR**
 PHYS 172 University Physics II - 4 crs.
 CHEM 141 General Chemistry I - 4 crs.
 CHEM 142 General Chemistry II - 4 crs.
 CHEM 215 Survey of Organic Chemistry - 4 crs.
 CHEM 361 Environmental Chemistry
 and Toxicology - 3 crs.

Earth Science Subcategory – 13 crs.

PHYS 107 Astronomy - 3 crs.
 SCI 195 Meteorology - 3 crs.
 SCI 246 Oceanography - 4 crs.
 SCI 275 Cosmogony - 3 crs.

SCIENCE MINOR 23 - 24 crs.

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

BIO 141 General Biology I **OR**
 SCI 152 Life Sciences - 4 crs.
 BIO 146 Essentials of Anatomy and Physiology - 4 crs.
 BIO 156 Environmental Science - 4 crs.

SCI 246 Oceanography -4 crs.
 SCI 275 Cosmogony - 3 crs.

Physical Science Subcategory – Choose 16 crs.

PHYS 121 Elementary Physics - 4 crs.
 PHYS 151 Physics I - 4 crs. **OR**
 PHYS 171 Universality Physics II - 4 crs.
 PHYS 152 Physics II - 4 crs. **OR**
 PHYS 172 University Physics II - 4 crs.
 SCI 151 Physical Sciences - 4 crs.

Biology/Environmental Science Subcategory - Choose 17 crs.

BIO 141 General Biology I **OR**
 SCI 152 Life Sciences - 4 crs.
 BIO 142 General Biology II - 4 crs.
 BIO 146 Essentials of Anatomy/Physiology - 4 crs.
 BIO 156 Environmental Science - 4 crs.
 BIO 240 Zoology - 4 crs.
 BIO 244 Botany - 4 crs.
 BIO 260 Microbiology - 4 crs.
 BIO 367 Ecology of the Tropics - 3 crs.
 BIO 368 Ecology of the Tropics Lab - 1 cr.
 BIO 410 Ecology - 4 crs.
 BIO 490 Biology Senior Seminar - 1 cr.
 (Fall Semester -REQUIRED)

CHEM 105 Elements of General and
 Biological Chemistry - 4 crs.
 SCI 235 Earth Science - 4 crs.
 Elective Subject to Science Faculty approval - 3 - 4 crs.

Pre-Professional Studies**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.

For additional Pre-Professional Programs (Pre-Pharmacy, Pre-PA, Pre-PT) please see current CUW publications for prerequisites.

Philosophy

Philosophy encourages clear and critical thinking, and a rational approach to problem-solving using conceptual analysis, dialogue, and argument. Due to the interdisciplinary character of philosophy, the minor is a valuable complement to most majors (in particular, Art, History, English, Natural Science, Theology, Psychology, Social Work). The 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 pur-

suing graduate and professional study, as well as for those entering careers in government, law, political advocacy, and journalism. Society needs individuals who are able to communicate clearly, to evaluate and construct arguments for or against a viewpoint, and to question received ideas.

PHILOSOPHY MINOR AND MAJOR

Core (required of both minor and major): 12 crs.*

- REL 201 The Old Testament (Bible Content) - 3 crs.
- REL 204 Biblical Theology (Christian Doctrine) - 3 crs.
- REL XXX Theology elective - 3 crs.
- PHIL 101 Philosophy: Theory and Practice - 3 crs.

PHILOSOPHY MINOR: 21 CRS.

Required Courses for Philosophy Minor (15 crs.)

- PHIL 201 Central Texts of Philosophy - 3 crs.
- PHIL 211 Elementary Logic **OR**
- PHIL 325 Christian Apologetics - 3 crs.
- PHIL 250 Moral Philosophy-3 crs.
- REL 203 The New Testament (to complete the pair with REL 201 in the core) - 3 crs.
- One** of the three History of Philosophy classes listed below - 3 crs.

Elective Courses for Philosophy Minor (6 crs.)

Up to 6 crs. (see list below).

PHILOSOPHY MAJOR: 37 CRS.

may also be taken as electives by minors):

- PHIL 400 Ancient Philosophy-3 crs.
- PHIL 410 Mediaeval Philosophy-3 crs.
- PHIL 450 Modern Philosophy-3 crs.

Elective Courses for Philosophy Minors and Majors:

- PHIL XXX Philosophy electives-6 (minor) or 9 (major) crs.
- Minors or Majors may substitute one approved 3 credit non-PHIL class:
- 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.
- SCI 275 Cosmogony-3 crs

Required Courses for Philosophy Major (28 crs.)

- PHIL 201 Central Texts of Philosophy - 3 crs.
- PHIL 211 Elementary Logic - 3 crs.
- PHIL 250 Moral Philosophy - 3 crs.
- PHIL 325 Christian Apologetics - 3 crs.
- REL 203 The New Testament (to complete the pair with REL 201 in the core)-3 crs.
- All three** of the History of Philosophy classes listed below - 9 crs.

PHIL 491 Senior Seminar I - 1 cr.

PHIL 492 Senior Seminar II - 3 crs.

Elective Courses for Philosophy Major (9 crs.)

Up to 9 crs. (see list below).

History of Philosophy classes (all required for majors;

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).

*In exceptional circumstances, students may petition the Philosophy Department for approved course substitutions.

Psychology

PSYCHOLOGY MAJOR 37 crs.

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 350 Experimental Psychology and Research Methods - 3 crs.
- PSY 425 Abnormal Psychology - 3 crs.
- PSY 450 Psychology Practicum - 3 crs.
- PSY 490 Senior Seminar - 3 crs.
- PSY 485 Research Proposal - 1 cr.

Two 300 or 400 Level Psychology Electives* - 6 crs.

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

Admission to Senior Status in Psychology

The following criteria have been established for students to be admitted to Senior Status in the Psychology program. (Application is generally made in the second semester of the junior year.)

1. Successful completion of 95 semester hours of credit
2. Cumulative GPA of 2.75 (will apply to students admitted, beginning in 2011)
3. GPA of 3.0 for Psychology coursework (will apply to students admitted, beginning in 2011)
4. Submission of completed application form (will apply to students admitted, beginning Fall 2013)
5. Completion of professional portfolio (will apply to students admitted, beginning Fall 2013)
6. Completion of application interview (will apply to students admitted, beginning Fall 2013)

Placement into clinical or professional practicum settings requires that a student be knowledgeable, confident, and demonstrate the highest potential for success. Enrollment in the Psychology Practicum, Research Proposal and Senior Seminar requires a student to be well-grounded in psychological theory/practice and to be capable of conducting research in the field. Students must meet the requirements above for Senior Status in the Psychology program before they may enroll in Practicum, Research Proposal and Senior Seminar.

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 350 Experimental Psychology

and Research Methods -- 3 crs.

PSY 425 Abnormal Psychology -- 3 crs.

One 300 or 400 Psychology Elective -- 3 crs.

Political Science

POLITICAL SCIENCE MAJOR 37 crs.

The Political Science major equips students to make an impact on the public square in a variety of vocations. Based on a Christian worldview, students develop writing, speaking, critical thinking, and research skills to be well prepared for a plethora of professions, with an emphasis on contributing toward the good of society. Today's society needs well-prepared students who bring a passion to addressing the nation's and world's pressing problems and issues, and the major aims to produce such Christian political leaders. The Political Science major consists of 37 credits, including 31 required credits and six (6) 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.

During their senior year, majors will complete a two-course sequence of Research Proposal (POLS 492) and Senior Seminar (POLS

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 Core Courses:

MATH 205 Statistics I

PSY 101 General Psychology

Required Courses - 31 crs.

POLS 101 Introduction to Political Science - 3 crs.

POLS 201 American Government - 3 crs.

POLS 300 Comparative Politics - 3 crs.

POLS 310 International Relations - 3 crs.

POLS 359 Constitutional Law - 3 crs.

POLS 410 The Christian and Politics - 3 crs.

POLS 480 Internship - 3 to 6 crs.

POLS 490 Senior Seminar - 3 crs.

POLS 492 Research Proposal - 1 crs.

PSY 350 Experimental Psychology - 3 crs.

Policy course - students must complete one of the following:

POLS 221 Environmental Policy - 3 crs.

LEGL 230 Environmental Law - 3 crs.

POLS 285 American Politics and Health Care Policy - 3 crs.

Electives - 6 crs. minimum

Includes any course below not already counted in the major, including:

POLS 221 Environmental Policy - 3 crs.

LEGL 230 Environmental Law - 3 crs.

POLS 255 The Presidency - 3 crs.

POLS 285 American Politics and Health Care Policy - 3 crs.

POLS 491 Special Topics in Politics - 3 crs. (up to 6 total)

JPP 104 Introduction to Courts - 3 crs.

JPP 288 Terrorism - 3 crs.

JPP 414 White Collar/Financial Crimes - 3 crs.

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 (Choose 3):

LEGL 230 Environmental Law – 3 crs.
 LEGL 310 Law & Technology – 3 crs.
 LEGL 325 Legal Landscape of American Schools—3 crs.
 LEGL 379/PHIL 379 Religion and the Law—3 crs.
 LEGL 450 Law, Gender and Sexual Orientation – 3 crs.
 POLS 210 American Government—3 crs.
 POLS 285 American Politics and Health Care Policy – 3 crs.
 POLS 300 Comparative Politics – 3 crs.

LEGAL STUDIES / PRE-LAW PROGRAM

The Association of American Law Schools does not prescribe a particular curriculum for students planning to attend law school. Rather, the Association calls attention to the overall quality of the undergraduate experience and pays great deference to the value of a liberal arts education specifically because of the attention paid to the development of critical thinking and communication skills. Likewise, Concordia University Wisconsin and the Concordia School of Law in Boise, Idaho, believe that students trained in the Christian, Lutheran, liberal arts tradition are well prepared for the academic rigor of law school and to the requirements of the legal profession. The Minor in legal studies at Concordia University Wisconsin is designed to provide an emphasis on critical thinking and communication (oral and written), in the context of contemporary legal scholarship and from the perspective of a Christian-Lutheran Worldview. Students interested in attending law school are not required to minor in Legal Studies, but participation in the Legal Studies/Pre-Law Program is highly recommended as it includes opportunities to participate in Moot Court, legal internships, LSAT exam preparation, and Concordia Law School's 3-4 academic program.

Required:

LEGL 359 Constitutional Law – 3 crs.
 LEGL 150 Jurisprudence – 3 crs.
 LEGL 320 International Law & Human Rights – 3 crs.

LEGL 230 Environmental Law – 3 crs.
 LEGL 310 Law & Technology – 3 crs.
 LEGL 450 Law, Gender and Sexual Orientation – 3 crs.
 POLS 210 American Government (3cr)
 POLS 285 American Politics and Health Care Policy – 3 crs.
 POLS 300 Comparative Politics – 3 crs.
 JPP 207 Substantive Criminal Law – 3 crs.
 JPP 308 Procedural Criminal Law – 3 crs.

Electives (choose 3):**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 OR	HEB 302 Hebrew II – 3 crs.
REL 326 Missions II – 3 crs.	HEB 401 Hebrew III – 3 crs.
COMM 460 Cross Cultural Communication –3 crs.	HEB 402 Hebrew IV – 3 crs.
GRK 303 Greek III – 3 crs.	REL 203 New Testament – 3 crs.
GRK 304 Greek IV – 3 crs.	REL 316 World Missions I – 3 crs.
HEB 301 Hebrew I – 3 crs.	

BIBLICAL STUDIES EMPHASIS 23-25 crs. (Liberal Arts: Associates of Arts, at CUAA only)

The Biblical Studies emphasis in the Associate of Arts Degree will provide basic training in the Bible –its origin, contents, and theology –for those who desire to serve the church as Christian lay leaders. It would be particularly helpful for those who are serving or planning to serve a congregation as a Bible study leader, a youth leader, or a Stephen's minister.

Core Courses – 9 crs

REL 201 Old Testament
 REL 204 Biblical Theology
 REL XXX Bible elective: any advanced OT or NT course.

Either Track One – 6 crs

Select two of the following:
 REL 333 Survey of Christian Thought
 REL 404 Lutheran Confessions
 HIST 208 History of Christianity

Common Courses – 8 crs

EDU 408 Teaching the Christian Faith (w) (2 crs)
 ENG 101 English Composition
 REL 203 New Testament

Or Track Two – 9 crs

Select one set of the following:
 First year Greek (GRK 201, GRK 202, GRK 303)
 First year Hebrew (HEB 301, HEB 302, HEB 401)

BIOETHICS

This 21-credit undergraduate Minor in Bioethics offers undergraduate students the opportunity to engage in discussion and examination of the ethical questions that arise in biology and health care. Topics are examined from theoretical as well as practical perspectives through the analysis of specific cases and issues from a variety of disciplines such as medicine, law, theology, philosophy, political science, and psychology. A minor in bioethics is a perfect complement to many majors and career paths: pre-medicine, nursing, rehabilitation sciences, exercise physiology, athletic training, theology, philosophy, social work, pre-pharmacy, business, pre-law, and education. Concordia University Wisconsin is a unique institution in the Concordia University System because we have a large population of health care students who would especially benefit from a minor in bioethics. Students with a minor in bioethics would be qualified to serve on hospital ethics committees, institutional review boards, and other ethics committees. This added qualification would make any student an attractive hire for the health care field, the private sector, and governmental agencies. This program accepts 6 credits of elective courses, allowing students to tailor their own programs to their specific needs and interests.

Minor Program Goals

1. Foster students' sensitivity to the moral dimensions of science, health care delivery, and research.
2. Develop a deep appreciation for confessional, Lutheran approaches to life issues.
3. Provide students with the knowledge and methods to analyze ethical issues in biology and health care.
4. Enable students to make the best possible decisions when faced with dilemmas involving bioethics.
5. Promote student involvement in bioethical dialog at the

local, state, and national levels.

6. Model an attitude of respect for all points of view.
7. Enable students to be leaders in the church as it attempts to address troubling ethical issues involving biology and health care.

Total credit hours: 21 for the minor Prerequisites: none
Transfer credits: case-by-case basis

Required Core Courses (9 credits)

REL 201 Old Testament (Bible Content) - 3 crs.
REL 204 Biblical Theology (Christian Doctrine) - 3 crs.
REL XXX Theology Elective - 3 crs.

Recommended Core Course (3 credits)

PHIL 250 Moral Philosophy - 3 crs.

Required Minor Courses (15 credits)

PHIL 221 Human Dignity - 3 crs.
PHIL 350 Bioethical Dilemmas in Contemporary Society - 3 crs.
POLS 285 American Politics and Health Care Policy - 3 crs.

REL 203 New Testament (to complete the pair with

Course Requirements

REL 201 in the core) - 3 crs.
REL 287 Christian Caregiving - 3 crs.

Elective Minor Courses (6 credits; at least one elective must carry an REL or PHIL prefix)

PHIL 240 Environmental Ethics - 3 crs.
PHIL 309 History and Philosophy of Science - 3 crs.
PHIL 311 The Christian Mind - 3 crs.
PHIL 325 Christian Apologetics - 3 crs.
PHIL 334 Christ and Culture - 3 crs.
PHIL 379 Religion and the Law - 3 crs.
PHIL 460 Research Ethics - 3 crs.
REL 376 Christian Ethics - 3 crs.
PSY 315 Social Psychology - 3 crs.
SCI 275 Cosmogony - 3 crs.
SW 375 Understanding Death and Dying - 3 crs.
SW 392 Aging and the Social Environment - 3 crs.

CHRISTIAN THOUGHT MINOR 21 crs.

The world needs leaders who have thought about the Christian faith and how best to share the Gospel with people living in an age of distraction. Christian thought is devoted to the study of the history of Christianity, Christian doctrine, Christian philosophy, apologetics, and ethics. The major and minor provide the opportunity to study the structure of Christian belief and practice. Students are equipped in mind and spirit for service to Christ in the Church and world. These programs are suitable for anyone with an interest in theology and philosophy and a sincere desire to carry out the Great Commission.

Required Core Courses: REL 201 Old Testament; REL 204 Biblical Theology; REL XXX Theology Elective (strongly recommended: a course in historical theology, such as REL 333 A Survey of Christian Thought)

Required Courses - 18 crs.

HIST 208 History of Christianity - 3 crs.
HIST 475 The Reformations - 3 crs.
PHIL 325 Christian Apologetics - 3 crs.

PHIL 334 Christ and Culture - 3 crs.
REL 203 New Testament - 3 crs.
REL 310 Religion in America Today - 3 crs.

Elective - 3 crs.

Any 300- or 400-level class in history, theology, or philosophy.

CHRISTIAN THOUGHT MAJOR 33 crs.

Required Courses for Christian Thought Major (27 crs.)

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

PHIL 325 Christian Apologetics - 3 crs.
REL 203 New Testament - 3 crs.
REL 310 Religion in America Today - 3 crs.
REL 376 Christian Ethics - 3 crs.
Research methods class - 3 crs. (HIST 385, REL 490)
Senior thesis class - 3 crs. (HIST 490, REL 491)

Elective Courses for Christian Thought Major (6 crs.)

A concentration of any 2 classes (300- or 400-level) in one of the 3 relevant areas (history, theology or philosophy)

DIRECTOR OF CHURCH MINISTRIES BACHELOR OF ARTS

This program equips men and women to serve as a Director of Church Ministries in congregations where the church worker solicits, trains and deploys lay people within the congregation to serve in a variety of service capacities. The Director of Church Ministries B.A. degree requires a theology major and two minors; the first a minor in church ministries and the second a minor in non-profit management. Within the church ministries minor the student chooses to specialize in one out of five possible ministry areas: evangelism, missions, parish teaching, youth ministry, and pre-deaconess/social ministry (for men, and for women who intend to enroll in the deaconess programs at either of The Lutheran Church – Missouri Synod seminaries). By careful use of electives students can add a second specialization. Because of the nature of this work all Director of Church Ministries B.A. students must demonstrate good human relations skills and a life worthy of Christian example. Graduates are solemnly called to positions in congregations or recognized service organizations of the church, 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 synod school at which this program is offered. Application involves steps in addition to application to the university. Applicants for the Director of Church Ministries B.A. should contact the Church Ministries office for application information.

CHURCH MINISTRIES MINOR 23 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 – 3 crs. (see program director for details):

Elective I – 3 crs.

Elective II – 3 crs.

Elective III – 3 crs.

**Note: See Theology for theology major requirements
See Business for non-profit minor requirements**

DIRECTOR OF CHURCH MINISTRIES CERTIFICATION WITH RELATED MAJORS

Students who have fulfilled a major in a field compatible with church ministries, such as parish music, parish nursing, and social work, and who wish to be certified for The Lutheran Church – Missouri Synod may be certified after completing a Church Ministries Minor for Related Majors.

CHURCH MINISTRIES MINOR FOR RELATED MAJORS 24 crs.**Required Core Courses:**

REL 201 Old Testament – 3 crs.

REL 204 Biblical Theology – 3 crs.

REL XXX Theology Elective – 3 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 Church 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 307 Teaching the Faith for the

Christian Public Educator Certification **OR**

ED 362 Faith Development of Young Child

Comparative Religion Elective: – 3 crs.

REL 310 Religion in America **OR**

REL 410 World Religions

REL XXX Theology Elective in Outreach

(i.e., evangelism, missions) – 3 crs.

REL XXX Bible elective: any advanced OT or

NT course – 3 crs.

DIRECTOR OF CHURCH MINISTRIES – ONLINE CERTIFICATE PROGRAM 47 crs.

The online Director of Church Ministries Certificate is a non-degree certificate consisting of seventeen courses, all but two of which are taken online. Application to the certificate program involves steps in addition to application to the university. Courses are offered in a cohort model, with a new cohort beginning every June. Each course is eight weeks in length, allowing for students to take three consecutive courses each semester. The first course (REL 105) and the twelfth course (REL 495) are taken through two three-day residencies on campus. In order to be certified students must have a Bachelor of Arts degree. Most students enter the online program already possessing the degree. Students can take additional courses through the online Adult learning Theology Major and gain a bachelor's degree. Applicants for the online Director of Church Ministries Certificate should contact the Office of Continuing and Distance Education.

The online Director of Church Ministries Certificate is especially helpful for the person already working in a congregation who lacks the training and credential to be eligible for a call in The Lutheran Church – Missouri Synod. The online program is also available for lay persons desiring to dig deeper into theology at a collegiate level without necessarily seeking certification as a director of church ministries. Lay persons are welcome to take as much of the program as they desire. For that reason the sequence of courses are arranged as follows:

Level 1 – Foundations for Service (Certificate in *Theological Foundations*)

REL 105 Church Leadership Seminar, 1 cr. (on campus)
REL 201 Old Testament, 3 cr.
REL 203 New Testament, 3 cr.
REL 204 Biblical Theology, 3 crs.
REL 310 Religion in America, 3 crs.
REL 387 Christ's People through the Ages, 3 crs.

Level 2 – Practice in Service (Certificate in *Practice of Ministry*)

REL 287 Christian Care Giving, 3 crs.
REL 328 Family and Youth Ministry, 3 crs.

REL 229 Religious Education of Youth and Adults, 3 crs.
REL 233 Communicating Bible Messages, 3 crs.
REL 311 Church in Mission, 3 crs.

Level 3 – Certification (Certification for *Commissioned Minister of Religion – Lay Minister*)

REL 495 Director of Church Ministries Seminar, 1 cr. (on campus)
REL 312 Office of the Professional Church Worker, 3 crs.
REL 440 Lutheran Worship: Theology and Practice, 3 crs.
REL 388 The Gospel of Luke, 3 crs.
REL 404 The Lutheran Confessions 3 crs.
REL 420 Church Ministries Internship, 3 crs.

Placement and Certification

The placement process for online certificate students is the same as for the four year graduates. Director of Church Ministries Bachelor of Arts students and Online Certificate students receive the same certification.

THE MISSIONS MAJOR AND MINOR

Core:

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

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

Minor - 21 crs.

COMM 460 Cross Cultural Communications - 3 crs.
REL 203 New Testament - 3 crs.
REL 316 World Missions 1 - 3 crs.
REL 326 World Missions 2 - 3 crs.
REL 215 Friendship Evangelism - 3 crs.
REL 410 World Religions - 3 crs.
REL XXX Cross-cultural missions elective: - 3 crs.
REL 298 Faith and Culture OR
REL 311 Church in Mission OR
REL 416 The Practice of Missions

Additional Courses for Major +9 credits

REL XXX Cross-cultural missions elective: - 3 crs.
REL 298 Faith and Culture OR
REL 311 Church in Mission OR
REL 416 The Practice of Missions

Cross-cultural electives: - 6 crs.

Any two courses in anthropology, history, geography, or language that deal with an area of the world currently served by LCMS missionaries. Only one of the two courses may be in any single foreign language. Representative courses include: ANTH 201; CHIN 101; ENG 240; GEOG 220; HIST 163, 241, 243, 246, 284, 285, REL 390; SPAN 101, 102, 341.

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.

Students must have a minimum of 126 credits in order to graduate as part of the pre-seminary program.

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.

PRE-SEMINARY STUDIES MAJOR 33 crs.

REL 440 Lutheran Worship: Theology and Practice - 3 crs.
 REL 404 Lutheran Confessions -- 3 crs.
 REL 490 Senior Seminar I - 3 crs.
 REL 491 Senior Seminar II - 3 crs.
 REL XXX Bible elective: any advanced OT or NT course.
 Historical Theology Elective (recommended:
 REL 333 A Survey of Christian Thought - 3 crs.
 Theology/Family Life elective (recommended:
 Youth Ministry I, Rel. Ed. of Youth & Adults, FAM 430
 Foundations of Youth Ministry, FAM 431 Youth Culture,
 FAM 432 Youth Ministry Administration)

COMM 205 Advanced Public Speaking - 3 crs
 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/Literature Elective - 3 crs.

THEOLOGICAL LANGUAGES MAJOR 36 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.
 HEB 301 Hebrew I - 3 crs.
 HEB 302 Hebrew II - 3 crs.
 HEB 401 Hebrew III - 3 crs.
 HEB 402 Hebrew IV - 3 crs.
 GRK/HEB ___ Greek/Hebrew V
 GRK/HEB ___ Greek/Hebrew VI
 REL 203 New Testament - 3 crs.
 Biblical Skills elective - 3 crs. (any theological languages course or Bible elective).

THEOLOGICAL LANGUAGES MINOR 21 crs.

Must include REL 203 New Testament (3 credits), theological languages in the core (6 credits), and theological languages in the minor (18 credits). It is recommended that students end up with 12 credits each of Greek and Hebrew, but if a student cannot complete the 12 credits each of Greek and Hebrew successfully, other language courses from the list above can be used to fulfill the 21 required credits for this minor.

THEOLOGY MINOR AND MAJOR

The theology minor and major are intended primarily for students who are preparing for certification as professional church workers such as Lutheran School Teachers or Lay Ministers. For this reason a internship in the appropriate area of professional church work is included in the requirements. Other students interested in theological study should consider a minor or major in Christian Thought.

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 Church Ministries 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
Christian Teacher Certification **OR**
ED 362 Faith Development of Young Child
Comparative Religion Elective – 3 crs.
REL 310 Religion in America **OR**
REL 410 World Religions
REL XXX Theology Elective in Outreach
(i.e., evangelism, missions) – 3 crs.
REL XXX Bible electives – 6 crs.
OT elective AND NT elective
REL 440 Lutheran Worship: Theology
and Practice – 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 Church Ministries 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
Christian Teacher Certification **OR**
ED 362 Faith Development of Young Child
Comparative Religion Elective – 3 crs.
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.

Theatre

See Communication

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 225 Social Work & Social Welfare - 3 crs.
 SW 235 Introduction to Child 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.

School of Business Administration

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

Core Requirements	Course	Credits	Business	JPP
Theology - 9 crs. Common core	REL 100 The Bible as Literature	3	*	*
	REL 110 Intro to Christian Theology	3	*	*
	Theology Elective	3	**	**
Philosophical Foundations - 3 crs. Narrative Core	Choose an approved Philosophy Course	3	**	**
Literature - 3 crs. Common Core	ENG 103 Civilization & Worldviews - Literature	3	*	*
History - 3 crs. Common Core	HIST 103 Civilization & Worldviews - History	3	*	*
Creative Arts - 3 crs. Distributive Core	Choose an approved Art, Music or Theatre Course	3	**	**
Culture - 3 crs. Narrative Core	Choose an approved Culture Course	3	**	**
Language - 3 crs. Distributive Core	Choose an approved Language Course	3	**	**
Social Sciences - 3 crs. Distributive Core	Choose an approved Social Science Course	3	**	**
Citizenship - 3 crs. Narrative Core	ECON 222 Macroeconomics	3	*	
	JPP 101 American Government			*
Science - 4 crs. Distributive Core	Choose an approved Science course with Lab	4	**	**
Writing - 3 crs. Common Core	ENG 104 Introduction to Writing	3	*	*
Communications - 3 crs. Narrative Core	Choose an approved Communication course	3	**	*
Mathematics - 3 crs. Distributive Core	BUS 315 Business Statistics+	3	*	
	MATH 125 Contemporary Mathematics			*
Phys. Education - 2 crs.	HHP 100 Introduction to Lifetime Fitness	1	*	*
Elective 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

MGMT 130 Principles of Management 3 crs.
 BUS 161 Business Essentials 3 crs.
 ENG 104 Introduction to Writing 3 crs.
 Choose an approved Communication course 3 crs.
 HIST 103 Civilization and World Views - History 3 crs.

SPRING

Creative Arts Elective 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.
 Choose an approved Social Science Course 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.

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

THE CORE CURRICULUM 48 credits

BUSINESS CORE MAJOR 45 Total/39 Actual crs.

ACCT 203 Financial Accounting - 3 crs.

ACCT 223 Managerial Accounting - 3 crs.

BUS 161 Business Essentials - 3 crs.

BUS 210 Business Law I - 3 crs.

BUS 315 Business Statistics - 3 crs.

(counted in University Core)

BUS 355 Management Information System - 3 crs.

*BUS 399 Internship - 3 crs.

*BUS 453 Business Policy and Ethical Decision Making - 3 crs.

ECON 222 Macroeconomics - 3 crs.

(Counted in University Core)

ECON 231 Micro Economics - 3 crs.

FIN 300 Principles of Finance - 3 crs.

MGMT 130 Principles of Management - 3 crs.

MGMT 336 Human Resource Management - 3 crs.

MGMT 450 International Business - 3 crs.

MKTG 131 Principles of Marketing - 3 crs.

Students wishing to double major in Business or major and minor in Business should note that only 6 credits may overlap between the Business Core, your majors, and your minors. If you have more than 6 overlapping credits, you are allowed to substitute a maximum of 1 course for a related course that would not overlap.

Individualized Business minor

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

The specific majors and minors follow.

BUSINESS MINOR 18 crs.

ACCT 203 Financial Accounting - 3 crs.

ACCT 223 Managerial Accounting - 3 crs.

Business Minor cannot be taken by Business Majors

Choose 4 courses:

BUS 210 Business Law I - 3 crs.

ECON 200 Principles of Economics - 3 crs.

FIN 300 Principles of Finance - 3 crs.

MGMT 130 Principles of Management - 3 crs.

MKTG 131 Principles of Marketing - 3 crs.

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

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

*SEM Majors take SEM 453 and SMA 340 instead of BUS 453 and BUS 399 (see Major Requirement)

ACCOUNTING MAJOR 21 crs.

ACCT 310 Intermediate Accounting I - 3 crs.
 ACCT 311 Intermediate Accounting II - 3 crs.
 ACCT 323 Cost Accounting - 3 crs.
 ACCT 350 Income Tax I - 3 crs.

ACCT 360 Income Tax II - 3 crs.
 ACCT 420 Auditing - 3 crs.
 ACCT 441 Mergers and Acquisitions - 3 crs.

Students who wish to complete the 150-hours to qualify for CPA Licensure have several options - including an MBA - and should consult with their advisor to plan their course of study.

Due to the rigor of the accounting profession, students who wish to register for ACCT 310 or higher accounting courses, will be required to have earned a minimum grade of "B" in ACCT 203 and ACCT 223. Each student will then be required to earn a minimum grade of C in each of their upper-level accounting courses to be awarded a bachelor's degree in accounting from Concordia University.

ACCOUNTING MINOR 18 crs.

ACCT 203 Financial Accounting - 3 crs.
 ACCT 223 Managerial Accounting - 3 crs.
 ACCT 310 Intermediate Accounting I - 3 crs.
 ACCT 311 Intermediate Accounting II - 3 crs.

Accounting Elective #1 - 3 crs.
 Accounting Elective #2 - 3 crs.
 (FIN 300 can be selected as an elective by non-business majors)

FORENSIC ACCOUNTING MINOR - 18 crs.

ACCT 203 Financial Accounting - 3 crs.
 ACCT 310 Intermediate Accounting I - 3 crs.
 ACCT 311 Intermediate Accounting II - 3 crs.

JPP 214 Criminal Investigations - 3 crs.
 JPP 414 White Collar Crime - 3 crs.
 ACCT 276 Fraud Management - 3 crs.

If you are an accounting major/minor and wish to pursue the forensic accounting minor, you will be required to substitute ACCT 203 for an upper level accounting or JPP course that you did not already take for your accounting major/minor.

MANAGERIAL ACCOUNTING MINOR - 18 crs.

ACCT 203 Financial Accounting - 3 crs.
 ACCT 223 Managerial Accounting - 3 crs.
 ACCT 323 Cost Accounting - 3 crs.
 FIN 300 Principles of Finance - 3 crs.

FIN 340 Corporate Finance - 3 crs.
 Upper level Accounting or Finance Elective - 3 crs.
The Managerial Accounting Minor cannot be taken by Accounting or Finance Majors

ACTUARIAL SCIENCE MAJOR 37 crs.

ECON 332 An Econometric Survey - 3 crs.
 FIN 315 Principles of Insurance - 3 crs.
 FIN 321 Financial Mathematics for Actuaries - 3 crs.
 FIN 340 Corporate Finance - 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 - 3 crs. MATH 325 Linear Algebra/ Differential Equations - 4 crs.

BUSINESS COMMUNICATION MAJOR 30 crs.

BCOM 247 Business Writing - 3 crs.
 BCOM 300 Group Dynamics - 3 crs.
 BCOM 380 Organizational Communication - 3 crs.
 BCOM 385 Interviewing Principles - 3 crs.
 BCOM 390 Conflict Management - 3 crs.
 COMM 105 Public Speaking - 3 crs.
 COMM 205 Advanced Public Speaking - 3 crs.

COMM 260 Social Media - 3 crs.
 MGMT 340 Organizational Behavior - 3 crs.

And select one elective from the following: 3 crs.
 BCOM 333 Servant Leadership OR
 BCOM 354 Gender and Communication OR
 COMM 460 Cross Cultural Communication

BUSINESS COMMUNICATION MINOR 18 crs.

BCOM 247 Business Writing - 3 crs.
 BCOM 300 Group Dynamics - 3 crs.
 BCOM 380 Organizational Communication - 3 crs.

BCOM 385 Interviewing Principles - 3 crs.
 COMM 260 Social Media - 3 crs.
 MGMT 130 Principles of Management - 3 crs.

ECONOMICS MAJOR 21 crs.

ECON 325 Ecological Economics - 3 crs.
 ECON 332 An Econometric Survey - 3 crs.
 ECON 370 International Economics - 3 crs.
 FIN 320 Money and Banking - 3 crs.

Choose 3 of the following courses:

ECON 315 Macroeconomics Crises in History - 3 crs.
 ECON 322 Intermediate Macroeconomics - 3 crs.
 ECON 331 Intermediate Microeconomics - 3 crs.

ECON 498 Special Topics in Economics - 3 crs.

ECONOMICS MINOR 18 crs.

ECON 222 Macroeconomics - 3 crs.
 ECON 231 Microeconomics - 3 crs.
 FIN 320 Money and Banking - 3 crs.

ECON 315 Macroeconomic Crises in History - 3 crs.

Economics Elective #1 - 3 crs.
 Economics Elective #2 - 3 crs.
 ECON 200 cannot be taken as an elective in this minor

ENTREPRENEURSHIP MINOR 18 crs.

MGMT 130 Principles of Management - 3 crs.
 MKTG 131 Principles of Marketing - 3 crs.
 ENTR 362 Planning New Ventures - 3 crs.
 ENTR 250 Legal Landscape of
 Entrepreneurship - 3 crs.
 ENTR 390 Entrepreneurship Practicum - 3 crs.

Choose 1 of the following courses:

BUS 320 Family Business Management - 3 crs.
 MGMT 360 Small Business Administration - 3 crs.

FAMILY BUSINESS STUDIES MINOR 18 crs.

BUS 320 Family Business Management - 3 crs.
 BUS 325 Family Business Strategic Planning - 3 crs.
 BCOM 390 Conflict Management - 3 crs.
 ENTR 362 Planning New Ventures - 3 crs.
 MGMT 340 Organizational Behavior - 3 crs.

Choose 1 of the following courses:

MGMT 360 Small Business Administration - 3 crs.
 ENTR 290 Social Entrepreneurship - 3 crs.
 ENTR 390 Entrepreneurship Practicum - 3 crs.

FASHION MERCHANDISING MAJOR 43 - 47 crs.

FSH (MMU) 107 Fashion Concepts and Careers - 2 Crs.
 FSH (MMU) 109 Intro to Adobe - 2 Crs.
 FSH (MMU) 235/235B Textiles - 4 Crs.
 FSH (MMU) 265 Global Retailing Principles - 3 Crs.
 FSH (MMU) 319 Visual Presentation - 3 Crs.
 FSH (MMU) 321 History of Costume - 3 Crs.
 FSH (MMU) 322 Product Analysis - 3 Crs.
 FSH (MMU) 331 Trend Analysis - 3 Crs.

FSH (MMU) 346 Professional Seminar - 2 Crs.
 FSH (MMU) 367 Merchandising with Plan-O-Grams - 3 Crs.
 FSH (MMU) 375 Fashion Show Coordination - 3 Crs.
 FSH (MMU) 380 Special Topics: Merchandise
 Management - 1-3 Crs.
 FSH (MMU) 398 Internships: Fashion Careers - 2-4 Crs.
 FSH (MMU) 418 Buying and Assortment Planning - 4 Crs.
 FSH (MMU) 436 Apparel Industry Seminar - 3 Crs.

FINANCE MAJOR 21 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 425 Securities Analysis - 3 crs.
 FIN 430 International Finance - 3 crs.
 ECON 332 An Econometric Survey - 3 crs.

FINANCE MINOR 18 crs.

ACCT 203 Financial Accounting - 3 crs.
 FIN 300 Principles of Finance - 3 crs.

Choose 4 of the following courses:

ACCT 223 Managerial Accounting - 3 crs.
 FIN 310 Basic Investing - 3 crs.

FIN 315 Principles of Insurance - 3 crs.
 FIN 320 Money and Banking - 3 crs.
 FIN 340 Corporate Finance - 3 crs.
 FIN 425 Securities Analysis - 3 crs.
 FIN 430 International Finance - 3 crs.

GENERAL BUSINESS MAJOR 24 crs.

This major requires the Business core and 9 credits of Business electives plus 12 credits of Liberal Art electives.

HOSPITALITY AND EVENT ENTERTAINMENT MANAGEMENT

HEM MAJOR 39 crs.

HEM 210 - Exposition and Special Event Management - 3 crs.
 HEM 220 - Concession, Catering and Vendor Operational Management - 3 crs.
 HEM 230 - Ceremonial Management - 3 crs.
 HEM 240 - Financial Aspects of Hospitality and Event Management - 3 crs.
 HEM 290 - Introduction to HEM - 3 crs.

HEM 453 - HEM Policy - 3 crs.

SEM 320 - Contemporary Leadership Behavior - 3 crs.
 SEM 330 - Integrated Public Relations and Social Media - 3 crs.
 SEM 410 - Integrated Marketing and Design - 3 crs.
 HEM 420 - Event and Production Management - 3 crs.
 SEM 430 - Sponsorship, Sales and Fundraising Strategies - 3 crs.
 SMA 340 - SEB/HEM Internship - 3 crs.

HEM MINOR 18 crs.

HEM 220 Concession, Catering & Vendor Strategies - 3 crs.
 HEM 240 Financial Aspects of HEM - 3 crs.
 HEM 290 Intro to HEM - 3 crs.
 HEM 420 Event & Production Management - 3 crs.

Choose 1 of the following courses:

HEM 210 Special Event & Exposition Management - 3 crs
 HEM 230 Ceremonial Management - 3 crs.
 (required) SEM 430 - Sponsorship, Sales, & Fundraising Strategies - 3 crs.

HUMAN RESOURCES MINOR 18 crs.

AL 266 Staffing - 3 crs.
 BUS 388 Compensation and Benefits - 3 crs
 BUS 434 Training and Employee Development - 3 crs.
 MBA 615 Employment and Labor Relations - 3 crs.
 *MGMT 336 Human Resources Management - 3 crs.

**BUS 399 Internship - 3 crs.

*Students that have taken MGMT 336 as part of their major will take AL 472.

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

Choose 1 of the following courses:

AL 269 Workplace Health and Safety - 3 crs.
 *AL 472 Managing Change - 3 crs.

Course descriptions for MBA and AL courses can be found under than Management section of Course Descriptions

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.

International Students may receive a waiver for the Foreign Language requirement.

MANAGEMENT MAJOR 21 crs.

BUS 422 Risk Management & Insurance - 3 crs.
 ECON 370 International Economic - 3 crs.
 MGMT 340 Organizational Behavior - 3 crs.

MGMT 360 Small Business Administration - 3 crs.

MGMT 429 Production/Operations Management - 3 crs. MKTG 223 Public Relations - 3 crs.
 MKTG 422 Marketing Management - 3 crs.

MANAGEMENT MINOR 18 crs.

BUS 210 - Business Law I - 3 crs.
 ECON 200 - Principles of Economics - 3 crs.
 MGMT 130 - Principles of Management - 3 crs.
 MGMT 336 - Human Resource Management - 3 crs.
 MKTG 131 - Principles of Marketing - 3 crs.

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.

MARKETING MINOR 18 crs.

MGMT 130 Principles of Management - 3 crs.
 MKTG 131 Principles of Marketing - 3 crs.
 MKTG 422 Marketing Management

PUBLIC RELATIONS MAJOR 31 crs.

BCOM 247 Business Writing - 3 crs.
 BCOM 260 Social Media - 3 crs.
 MKTG 223 Public Relations - 3 crs.
 BCOM 323 Intermediate Public Relations - 3 crs.
 BCOM 423 Advanced Public Relations - 3 crs.
 COMM 265 Journalism - 3 crs.

Choose 3 of the following courses:

MKTG 325 Promotions and Advertising - 3 crs.

PUBLIC RELATIONS MINOR 18 crs.

MKTG 223 Public Relations -- 3 crs.
 BCOM 323 Intermediate Public Relations -- 3 crs.
 BCOM 423 Advanced Public Relations -- 3 crs.
 COMM 265 Journalism -- 3 crs.
 BCOM 247 Business Writing -- 3 crs.
 COMM 321 Media Writing -- 3 crs.

SPORT AND ENTERTAINMENT BUSINESS MAJOR 45 crs.

SEM 275 Administration & Organization of Sport & Entertainment - 3 crs.
 SEM 320 Contemporary Leadership Behavior - 3 crs.
 SEM 330 Integrated Public Relations and Social Media - 3 crs.
 HEM 420 Event Management and Production - 3 crs.
 SEM 430 Sponsorship, Sales and Fundraising Strategies - 3 crs.
 *SEM 453 Sport and Entertainment Policy (Capstone) - 3 crs.

*SEM Majors take SEM 453 and SMA 340 instead of BUS 453 and BUS 399

SPORT AND ENTERTAINMENT BUSINESS MINOR 18 crs.

SMA 290 - Intro to SEB - 3 crs
 SMA 310 - Legal and Ethical Issues in SEB - 3 crs
 SMA 350 - Sport Marketing - 3 crs
 SEM 430 - Sponsorship, Sales, and Fundraising Strategies - 3 crs

Choose 1 of the following courses::

MGMT 429 Production/Operations Management
 BUS 450 International Business 3 credits

Management Minor cannot be taken by Business Majors

MKTG 422 Marketing Management - 3 crs.
 MKTG 426 Marketing Research - 3 crs.
 MKTG 440 International Marketing - 3 crs.

Choose 3 of the following courses:

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

COMM 250 Introduction to Mass Communication - 3 crs.
 COMM 321 Media Writing - 3 crs.
 BCOM 380 Organizational Communication - 3 crs.
 AL 335 Nonprofit Fundraising and Grant Writing - 3 crs.

Course description AL course can be found under than Business Communication section of Course Descriptions

Suggested Core Courses to be taken in conjunction with PR Minor:

COMM 105 Public Speaking
 (taken in Narrative Core) - 3 crs.
 COMM 460 Cross Cultural Communication
 (taken as Culture in Narrative Core) - 3 crs.
 GD 100 Digital Design Fundamentals OR
 GD 110 Graphic Design I
 (each fulfills Creative Arts requirement in Distributive Core) - 3 crs.

SMA 290 Introduction to Sport and Entertainment Business - 3 crs.
 SMA 300 Social Aspects of Sports and Entertainment - 3 crs.
 SMA 310 Legal and Ethical Issues in Sport - 3 crs.
 SMA 320 Facility Design and Management in Sport and Entertainment - 3 crs.
 SMA 330 Sport Economics and Finance - 3 crs.
 *SMA 340 SEB/HEM Internship - 3 crs.
 SMA 350 Marketing of Sport and Entertainment - 3 crs.

Choose two:

SMA 300 - Social Aspects of SEB - 3 crs
 SMA 320 - Facility Management - 3 crs
 SMA 330 - Economic and Financial Aspects

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 120 credit hours. Core curriculum requires the satisfactory completion of 48 credits. The major consists of 42 credits. The program does not require a minor. All students pursuing this major or minor must earn a grade of C- or better in all courses required for the major or minor to earn a degree in Justice & Public Policy.

CRIMINAL JUSTICE & PUBLIC POLICY MAJOR 42 crs.

JPP 102 Intro to Law Enforcement - 3 crs.

JPP 103 Criminology - 3 crs.

JPP 104 Intro to Courts - 3 crs.

JPP 110 Juvenile Theory - 3 crs.

JPP 150 Intro to Probation and Parole - 3 crs.

JPP 206 Intro to Corrections - 3 crs.

JPP 207 Substantive Criminal Law - 3 crs.

JPP 214 Criminal Investigations - 3 crs.

JPP 255 Stress Management - 3 crs.

JPP 308 Procedural Criminal Law - 3 crs.

JPP 310 Administrative Law - 3 crs.

JPP 311 Criminal Psychology - 3 crs.

JPP 399 Careers & Internships in CJ - 3 crs.

JPP 415 Ethics in Criminal Justice - 3 crs.

CRIMINAL JUSTICE & PUBLIC POLICY MINOR

JPP 102 Intro to Law Enforcement

JPP 104 Intro to Courts

JPP 150 Intro to Probation & Parole

JPP 206 Corrections in America

JPP Elective #1

JPP Elective #2

Law Enforcement Career

- Mass Communication
- Political Science
- Psychology
- Social Science
- Social Welfare

PARALEGAL STUDIES CERTIFICATE*

- Anticipated Availability Fall 2017

Natural Resources Warden Career

- Environmental Studies
- Natural Science

Suggested Minors for JPP Related Careers:

Attorney Career

- Business
- Legal Studies
- Paralegal Studies (Certificate)
- Political Science

Probation & Parole Career

- Political Science
- Psychology
- Social Science
- Social Welfare

Corrections Career

- Psychology
- Social Science
- Social Welfare

ROTC Career

- Military Science (Marquette University)

Courts Career

- Psychology
- Social Welfare

Security Management Career

- Business
- Human Resources
- Management
- Political Science
- Psychology

FBI Special Agent Career

- Business
- Forensic Accounting

SUGGESTED CRIMINAL JUSTICE & PUBLIC POLICY ELECTIVES

LEGL 230 Environmental Law

JPP 245 Criminal Justice Research Methods

JPP 288 Terrorism

JPP 312 Forensic Investigation

JPP 313 Organized Crime

JPP 350 Special Topics in Criminal Justice

JPP 400 Law Enforcement Certification Practicum

JPP 414 White Collar Crime

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

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 Teacher Diploma (LTD). In addition, Concordia offers a Christian Teacher Certification (CTC) 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 (Middle Childhood 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, concentration, or dual certification. 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 Teacher Certification Office.

For full and complete program details, please consult the School of Education Handbook.

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. Students who wish to be admitted to the School of Education shall meet the following requirements:

1. Successfully completed ED 102 Foundations of Education;
2. Portfolio I presentation approved;
3. Recommended by faculty advisor;
4. 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 basic skills requirements;
4. Successful completion of initial 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 email.
2. A copy of this letter is filed in the applicant’s file in the School of 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 120 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 required content test(s) (Praxis II, Wisconsin NES/Reading Foundations Test, and/or or Language Testing International) for teaching major(s) (early childhood education, elementary/middle school education, subject areas for secondary and K-12 education) as well as licensable minor(s) when applicable.
8. passed required edTPA.
9. (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

Birth to Age 8

CORE CURRICULUM:	51-57 crs.
LUTHERAN/CHRISTIAN TEACHER CERT MAJOR:	62 crs.
PUBLIC ED MAJOR:	56 crs.
CONCENTRATION/MINOR:	<u>18 - 21 crs.</u>
TOTAL	125 - 140 crs.

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

CORE CURRICULUM 51-57 credits

Literature - 3 crs.
 Writing: ENG 104 Introduction to Writing - 3 crs.

Common Core – 15-18 credits

Theology (LTD or CTC 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

Worldviews: History - 3 crs.

Literature: ENG 103 Civilization & Worldviews:

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 for Teachers - 3 crs.
- Philosophical Foundations:
 ED 102 Foundations of Education - 3 crs.

Elective Core – 24-27 credits

Creative Arts: ART 151 Art Fundamentals **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 and Physical Science with lab - 4 crs.
 (SCI 100: Integrated Science recommended)
 Note: Students must take both life and physical science
 Social Science: PSY 221 Child Development - 3 crs.
 Theology Elective - 3 crs.

EARLY CHILDHOOD MAJOR 56 - 62 crs.

Theoretical Component – 12 crs.

ED 230 Nature of the Exceptional Child - 3 crs.
 ED 231 Children’s Literature - 3 crs.
 ED 275 Human Learning - 3 crs.
 * ED 411 The Profession and Ethics of Teaching - 3 crs.

Practical Component – 33 crs.

ED 204 Developmental Reading Gr. K-9 - 3 crs.
 ED 327 Collaborating with Families in a Diverse
 Society - 3 crs.
 * ED 354 Teaching Reading and Emergent Language
 Development - 3 crs.
 * ED 356 Mathematics in Early Childhood - 3 crs.
 * ED 357 Curr. & Methods in Science &
 Environment in Early Childhood - 3 crs.
 * ED 358 Teaching the Emergent Writer - 2 crs.
 * ED 359 Curriculum & Techniques -
 Early Childhood - 3 crs.
 * ED 400 Music, Movement, and Art in Early
 Childhood - 3 crs.
 * ED 461 Administration of Early
 Childhood Programs - 1 cr.
 * ED 466 Health, Safety, & Fitness for Young Children - 2 crs.
 * ED 453 Evaluative Techniques in Early Childhood
 Special Education **OR**
 * ED 479 Assessment and Instruction for Children
 with Special Needs - 3 crs.
 * ED 478 Preschool Practicum - 3 crs.
 * First Aid & CPR (Certificate required **OR** take
 HHP 209 for 2 credits)

* ED 343 Synthesis and Prof. Development
 (Portfolio Completion) - Early Childhood - 1 cr.

Educational Seminars – 0 crs.

ED 100 Orientation Seminar - 0 crs.
 ED 200 UDS Seminar - 0 crs.
 ED 300 Student Teaching Seminar - 0 crs.

Experiential Component – 11 crs.

ED 211 General Clinical I Experience - 0 cr.
 ED 212 Multicultural Clinical II Experience - 0 cr.
 ED 213 Special Education
 Clinical III Experience - 0 crs.
 ED 245 Service Experience Clinical - 0 cr.
 * ED 340 Upper Division Status Clinical - 0 cr.
 * ED 465 Social Curriculum & Classroom Management - 3 crs.
 * ED 427 & ED 428 Student Teaching - 8 crs.

**Lutheran (LCMS Members) Teacher Diploma
 Requirements – 6 crs.**

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

Christian Teacher Certification Requirements – 6 crs.

REL 404, REL 347, REL 333, PHIL 325
OR PHIL 334 - 3 crs.
 ED 307 Teaching the Faith for
 Christian Teacher Certification,
 * ED 362 Faith Development of Young Child, **OR**
 ED 306 Teaching the Faith - 3 crs.

*** Course Requires Upper Division Status**

MINORS OR AREAS OF CONCENTRATION 18-24 credits

The following minors, (approximately 18 - 21 credits) are acceptable. See the Elementary/Middle Education section for details. Both the Adaptive Education and English as a Second Language minors are licensable at the Early Childhood level.

Adaptive Education	English/Language Arts	History	Social Studies
Art	English as Second Language	Mathematics	Spanish
Athletic Coaching	Environmental Science	Music	Speech Communication
Biology	German	Psychology	Theater
Computer Science	Health Education	Science Education	Urban Education

Concentrations (18 credits) in Administration in Early Childhood, Creative Arts (art, music, theater), Family Studies, and Language Arts/Communications are available. Consult the Chairperson of the Early Childhood Department or your advisor. Students may also pursue an additional minor in Theology.

Early Childhood Regular and Special Education Dual Certification Program

Birth to Age 8

CORE CURRICULUM:	51 - 57 crs.
LUTHERAN/CHRISTIAN TEACHER CERT DUAL MAJOR:	80 crs.
PUBLIC ED DUAL MAJOR:	74 crs.
TOTAL:	125 - 137 crs.

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

CORE CURRICULUM 51-57 credits

Common Core – 15 - 18 credits

Theology (LTD or CTC 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

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 for Teachers - 3 crs.

Philosophical Foundations:

ED 102 Foundations of Education - 3 crs.

Elective Core – 24 - 27 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 and Physical Science with lab - 4 crs.

(SCI 100 Integrated Science recommended)

Note: Students must take both Life and Physical science.

Social Science: PSY 221 Child Development - 3 crs.

Theology Elective - 3 crs.

EARLY CHILDHOOD DUAL CERTIFICATION MAJOR 74-80 crs.

Theoretical Component - 12 Credits

ED 230 Nature of the Exceptional Child - 3 crs.

ED 231 Children's Literature - 3 crs.

ED 275 Human Learning - 3 crs.

* ED 411 The Profession and Ethics of Teaching - 3 crs.

Education Seminars - 0 Credits

ED 100 Orientation Seminar - 0 crs.

ED 200 UDS Seminar - 0 crs.

ED 300 Student Teaching Seminar - 0 crs.

Practical Component: Regular Education - 27 crs.

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

* ED 354 Teaching Reading & Emergent Language Development - 3 crs.

* ED 356 Mathematics in Early Childhood - 3 crs.

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

* ED 358 Teaching the Emergent Writer - 3 crs.

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

* ED 400 Music, Movement, and Art in Early Childhood - 3 crs.

* ED 461 Administration of Early Childhood Programs - 1 cr.

* ED 466 Health, Safety, & Fitness for the Young Child - 2 crs. First Aid & CPR (Certificate required)

* ED 343 Synthesis and Prof. Development (Portfolio Completion)/Content Tests - 1 cr.

* ED 478 Preschool Practicum - 3 crs.

Practical Component: Special Education - 24 crs.

- ED 327 Collaborating with Families and Professionals in a Diverse Society - 3 crs.
- * ED 328 Teaching Students with Significant Disabilities - 3 crs.
- * ED 453 Evaluative Techniques in Early Childhood Special Education - 3 crs.
- * ED 454 Curriculum & Practicum for ECSE 0-8 - 4 crs.
- * ED 455 Legal Issues in Special Education - 3 crs.
- * ED 457 Curricular Adaptations for Learners with Disabilities - 3 crs.
- ED 484 Educational/Behavioral Management in Special Education - 3 crs.
- * ED 487 Intervention Strategies in Special Education - 2 crs.

Experiential Component - 11 Credits

- ED 211 General Clinical I Experience - 0 cr.
- ED 212 Multicultural Clinical II Exp. - 0 cr.
- ED 213 Special Education Clinical III Experience - 0 cr.
- ED 245 Service Experience Clinical - 0 cr.
- * ED 340 Upper Division Status Clinical - 0 cr.
- * ED 465 Social Curriculum & Classroom Management - 3 crs.
- * ED 427, ED 428, and/or
ED 442 Student Teaching - 8 crs.

Lutheran (LCMS Members) Teacher Diploma Requirements - 6 Credits

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

Christian Teacher Certification Requirements - 6 Credits

- REL 404, REL 347, REL 333, PHIL 325,
or PHIL 334 - 3 crs.
- * ED 362 Faith Development of Young Child
OR ED 306 Teaching the Faith - 3 crs.

*Course Requires Upper Division Status

Elementary/Middle

(GRADES 1-8) Middle Childhood through Early Adolescence

CORE CURRICULUM:	51- 61 credits
LUTHERAN/CHRISTIAN TEACHER CERT MAJOR:	54 - 57 credits
PUBLIC ED MAJOR:	48 - 51 credits
MINOR SUBJECT AREA:	<u>18 - 24 credits</u>
	120 - 142 credits

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

CORE CURRICULUM 51 - 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

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.

Communication: COMM 105 Public Speaking **OR**

COMM 201 Interpersonal Communication - 3 crs.

Culture: ED 103 Human Relations for Teachers - 3 crs.

Philosophical Foundations:

ED 102 Foundations of Education - 3 crs.

Elective Core – 24 - 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 and Physical Science with lab - 4 crs.

(SCI 100: Integrated Science is recommended)

Note: Students must take both Life and Physical Science.

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

Theology Elective - 3 crs.

ELEMENTARY/MIDDLE EDUCATION MAJOR 47-56 crs.

Theoretical Component – 12 credits

- ED 230 Nature of the Exceptional Child - 3 crs.
- ED 231 Children’s Literature - 3 crs.
- ED 275 Human Learning - 3 crs.
- * ED 411 The Profession and Ethics of Teaching - 3 crs.

Education Seminars – 0 credits

- ED 100 Orientation Seminar - 0 crs.
- ED 200 UDS Seminar - 0 crs.
- ED 300 Student Teaching Seminar - 0 crs.

Practical Component – 23-26 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 Classroom Practice - 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 252 Teaching Adolescent Literature, OR ED / MATH 312 Middle School Pedagogy and Content - 3 / 0 crs. (Note - ED 252 and ED / MATH 312 are part of the English, Social Studies, Math, and Science Minors)
- * ED 401 Literacy Strategies in the Classroom - 3 crs.
- * ED 412 Portfolio Completion – Elementary - 1 cr.

Experiential Component – 12 credits

- ED 211 General Clinical I Experience - 0 cr.
- ED 212 Multicultural Clinical II Experience - 0 cr.
- ED 213 Special Education Clinical III Experience - 0 cr.
- ED 245 Service Experience Clinical - 0 cr.
- * ED 340 Upper Division Status Clinical - 0 cr.
- * ED 421 & ED 422 Student Teaching - 12 crs.

Lutheran (LCMS Members) Teacher Diploma Requirements – 6 credits

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

Christian Teacher Certification Requirements - 6 credits

- REL 404, REL 347, REL 333, PHIL 325, OR PHIL 334 - 3 crs.
- ED 306 Teaching the Faith - 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:

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 Collaborating with Families and Professionals in a Diverse Society - 3 crs.
- *ED 328 Teaching Students with Significant Disabilities - 3 crs.
- *ED 453 Evaluative Techniques in Early Childhood Special Education **OR**
- *ED 479 Assessment and Instruction for Children with Special Needs - 3 crs.

- *ED 457 Curricular Adaptations for Learners with Disabilities - 3 crs.
- ED 484 Educational/Behavioral Management in Special Education - 3 crs.
- *ED 487 Implementation Strategies in Special Education - 3 crs.
- *ED 477 Practicum in Adaptive Education - 1 cr.
- Note: Complete 12 or more credits in the minor before taking ED 477 Practicum in Adaptive Education.
- 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 25 - 29 crs.**Required Core:**

BIO 146 Essentials of Anatomy & Physiology w/lab - 4 crs. (counts in core for Life Science requirement)

Required Courses – 21 crs. minimum

HHP 272 Introduction to Athletic Training - 3 crs.
 HHP 275 Administration and Organization of Sport - 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 490 Practicum in Coaching - 1-3 crs.
 First Aid & CPR (Current Certification)
 OR take HHP 209 for 2 cr.

BIOLOGY MINOR 18-19 crs.

SCI 151 Physical Science - 4 crs.
 SCI 152 Life Science - 4 crs.
 *ED 312 Math in the Middle School - 3 crs.
 Electives: Select 2 courses from the elective list for the minor and 1 additional course to fulfill the core Science requirements; 3 total electives)

COMPUTER SCIENCE MINOR 18 crs.

CSC 150 Foundations of Computer Science - 3 crs.
 CSC 175 Informatics: Application of Technology - 3 crs.
 CSC 200 Foundations of Programming - 3 crs.
 CSC 250 Computer Science, Theory & Practice I - 3 crs.

ENGLISH / LANGUAGE ARTS MINOR 18 crs.

ED 252 Teaching Adolescent Literature - 3 crs.
 *ED 432 Teaching Writing - 3 crs.
 ENG 305 Advanced Grammar and Usage - 3 crs.
 English Electives - 6 crs.
 Literature Electives from the elective list - 3 crs.

ESL: ENGLISH AS A SECOND LANGUAGE MINOR 24 - 30 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.) - 6-12 crs.
 ED 365 Cross-Cultural Communication for Teachers of English Language Learners OR
 COMM 460 Cross-Cultural Communication - 3 crs.

ENVIRONMENTAL SCIENCE MINOR 18 - 19 crs.

SCI 151 Physical Science - 4 crs.
 SCI 152 Life Science - 4 crs.
 *ED 312 Math in the Middle School - 3 crs.
 BIO 156 Environmental Science w/lab - 4 crs.
 2 Electives (one for the minor, one for the Core requirement)

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 Elective List:

BIO 141 General Biology I - 4 crs.
 BIO 142 General Biology II - 4 crs.
 BIO 146 Essentials of Anatomy & Physiology w/lab - 4 crs.
 BIO 156 Environmental Science w/lab - 4 crs.
 BIO 240 Zoology - 4 crs.
 BIO 244 Botany - 4 crs.

CSC 370 Software Engineering - 3 crs.
 ED 440 Curr. & Methods in Computer Science Education - 3 crs.

Literature Elective List: ENG 341 American Literature I, ENG 342 American Literature II, ENG 344 English Literature I, ENG 345 English Literature II, OR ENG 347 World Literature - 3 crs.

ED 237 Basic English Linguistics for Teachers of Language Learners OR
 ENG 240 Basic English Linguistics - 3 crs.
 *ED 315 Observation, Analysis & Practicum in ESL - 3 crs.
 ED 316 ELL Literacy: Reading Writing, and Grammar Strategies - 3 crs.
 ED 317 Accommodating Differences in Literacy Learners - 3 crs.
 *ED 323 Curriculum and Methods of Teaching ESL - 3 crs.

Select two elective courses from the following list (6-8 crs.):
 BIO 367/368 Ecology of the Tropics - 3/4 crs.
 BIO 410 Ecology w/lab - 4 crs.
 CHEM 105 Elements of General & Biological Chemistry w/lab - 4 crs.
 SCI 195 Meteorology - 3 crs.
 SCI 235 Earth Science w/lab - 4 crs.
 SCI 246 Oceanography - 4 crs.
 SCI 275 Cosmogony (recommended) - 3 crs.

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 18 - 20 crs.**Required Core:**

BIO 146 Essentials of Anatomy & Physiology
 (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 18 crs.

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

MATHEMATICS MINOR 18 - 20 crs.

MATH 176 Finite Mathematics, **OR**
 MATH 150 Trigonometry - 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 - EDUCATION MINOR 18 crs.

PSY 221 Child Development
 OR PSY 222 Adolescent Development - 3 crs.
 PSY 310 Theories of Personality - 3 crs.
 PSY 425 Abnormal Psychology - 3 crs.
 BCOMM 300 Group Dynamics - 3 crs.

GER 361 Civilization & Culture of
 German-Speaking Countries - 3 crs.
 *ED 310 Curriculum and Methods in Teaching
 Foreign Language - 3 crs.
 GER 305 German Immersion Experience 0 cr.
 Note: Students who do not receive retroactive
 German credit must also complete GER 101, GER 102,
 GER 201, and GER 202.

Required Courses:

First Aid and CPR (Current certification required
 OR take HHP 209 for 2 crs.) - 2 crs.
 HHP 260 School 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.
 *ED 476 Curriculum and Methods of
 Health Education - 3 crs.

ED 252 Teaching Adolescent Literature - 3 crs.
 One additional US, European, or Non-Western
 History Course - 3 crs.

Electives - 3 - 4 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.

Electives - 6 crs.

Choose from the following:

PSY 222 or PSY 221 (course not already taken), PSY 245
 Experimental Psychology & Research Methods, PSY 312
 Marriage and Family Relations, PSY 315 Social Psychology, PSY
 460 Principles of Counseling, SOC 203 Contemporary Social
 Problems, SOC 365 Drugs, Society, & Human Behavior, OR
 SOC 375 Understanding Death & Dying - 3 crs.

SCIENCE EDUCATION MINOR 18 - 19 crs.

SCI 151 Physical Science - 4 crs.
 SCI 152 Life Science - 4 crs.
 MATH 312 Math in the Middle School - 3 crs.
 2 Electives (one for the minor, one for the Core requirement)

Elective – 6-8 crs.**Choose from the following:**

BIO 146 Essentials of Anatomy & Physiology w/lab, BIO 156 Environmental Science w/lab, BIO 240 Zoology, BIO 244 Botany, BIO 367 / 368 Ecology of the Tropics, CHEM 105 Elements of General & Biological Chemistry w/lab, PHYS 107 Astronomy, PHYS 121 Elementary Physics, SCI 195 Meteorology, SCI 235 Earth Science w/lab, SCI 246 Oceanography, SCI 275 Cosmogeny (recommended)

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.
 ED 252 Teaching Adolescent Literature - 3 crs.
 SOC 101 Intro. to Sociology,
 SOC 203 Contemporary Social Problems **OR**
 BCOM 300 Group Dynamics - 3 crs.

SPANISH MINOR 18 crs.

SPAN 301 Spanish Conversation and Composition - 3 crs.
 SPAN 307 Applied Linguistics - 3 crs.
 SPAN 331 Advanced Grammar & Composition - 3 crs.
 Electives: Choose 6 credits from SPAN 351, 352, 355, and 356 - 6 crs.
 SPAN 305 Spanish Immersion Experience - 0 crs.

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

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.

ED 208 Extracurricular Activities in the Fine Arts
 ENG 102 Basic English Grammar and Usage **OR**
 ENG 305 Advanced Grammar and Usage - 3 crs.
 COMM 205 Advanced Public Speaking - 3 crs.
 BCOM 300 Group Dynamics - 3 crs.
 COMM 460 Cross Cultural Communication - 3 crs.

Electives - 3 crs.

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

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.

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.

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

Middle Childhood through Early Adolescence

CORE CURRICULUM:	51 - 57 Credits
LUTHERAN/CHRISTIAN PUBLIC ED MAJOR:	57 Credits
PUBLIC ED MAJOR:	51 Credits
SPECIAL ED COURSES:	<u>24 Credits</u>
TOTAL:	126 - 138 Credits

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

CORE CURRICULUM 51 - 57 Crs.

Common Core – 15 - 18 Credits

Theology (LTD or CTC 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

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 for Teachers – 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 and Physical Science w/lab – 4 crs.

(SCI 100 Integrated Science recommended)

Note: Students must take both Life and Physical Science

Social Science: PSY 221 Child Development – 3 crs.

Theology Elective – 3 crs.

ELEMENTARY/MIDDLE DUAL CERT. MAJOR 75 - 81 Crs.

Theoretical Component - 12 Credits

ED 230 Nature of the Exceptional Child – 3 crs.

ED 231 Children's Literature – 3 crs.

ED 275 Human Learning – 3 crs.

*ED 411 The Profession and Ethics of Teaching – 3 crs.

Education Seminars - 0 Credits

ED 100 Orientation Seminar – 0 crs.

ED 200 UDS Seminar – 0 crs.

ED 300 Student Training Seminar – 0 crs.

Practical Component: Regular Education - 27 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 Classroom Practice – 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, ED 252 Teaching Adolescent Literature, OR ED 312 Math in the Middle School – 3 crs.

*ED 358 Teaching the Emergent Writer – 2 crs.

*ED 401 Literacy Strategies for the Classroom – 3 crs.

*ED 412 Portfolio Completion – Elementary – 1 cr.

Practical Component: Special Education - 24 Credits

- ED 327 Collaborating with Families and Professionals in a Diverse Society - 3 crs.
 *ED 328 Teaching Students with Significant Disabilities - 3 crs.
 *ED 455 Legal Issues in Special Education - 3 crs.
 *ED 457 Curricular Adaptations for Learners with Disabilities - 3 crs.
 *ED 479 Assessment & Instruction for Children with Special Needs - 3 crs.
 *ED 484 Educational/Behavioral Management in Special Education - 3 crs.
 *ED 487 Implementation Strategies in Special Education - 2 crs.
 *ED 439 Curriculum, Methods & Practicum for EBD/ID/SLD - 4 crs.

Experiential Component - 12 Credits

- ED 211 General Clinical I Experience - 0 cr.
 ED 212 Multicultural Clinical II Experience - 0 cr.
 ED 213 Special Education Clinical III Experience - 0 cr. ED 245 Service Experience Clinical - 0 cr.
 *ED 340 Upper Division Status Clinical - 0 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 Teacher Certification Requirements - 6 Credits

- REL 404, REL 347, REL 333, PHIL 325, **OR**
 PHIL 334 - 3 crs.
 ED 306 Teaching the Faith - 3 crs.

***Course Requires Upper Division Status**

Cross Categorical Special Education Program

Middle Childhood through Early Adolescence & Early Adolescence through Adolescence

CORE CURRICULUM:	51 - 57 Credits
LUTHERAN/CHRISTIAN TEACHER CERT MAJOR:	82 Credits
PUBLIC ED MAJOR:	<u>76 Credits</u>
TOTAL:	127 - 139 Credits

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

CORE CURRICULUM 51 - 57 crs.**Common Core – 15 - 18 Credits**

- Theology (LTD or CTC 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

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 for Teachers - 3 crs.
 Philosophical Foundations:
 ED 102 Foundations of Education - 3 crs.

Elective Core – 24 - 27 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 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 and Physical Science w/lab - 4 crs.
 (SCI 100: Integrated Science recommended)

Note: Students must take both Life and Physical Science
 Social Science: ED 209 Educational Psychology - 3 crs.
 Theology Elective - 3 crs.

CROSS CATEGORICAL SPECIAL EDUCATION MAJOR 76 - 82 crs.

Theoretical Component - 6 Credits

- ED 230 Nature of the Exceptional Child - 3 crs.
- *ED 411 The Profession and Ethics of Teaching - 3 crs.

Education Seminars - 0 Credits

- ED 100 Orientation Seminar - 0 crs.
- ED 200 UDS Seminar - 0 crs.
- ED 300 Student Teaching Seminar - 0 crs.

Practical Component: General Educ. - 27 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 Classroom Practice- 3crs.
- *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, ED 252 Teaching Adolescent Literature, OR ED 312 Math in the Middle School - 3 crs.

- *ED 401 Literacy Strategies for the Classroom - 3 crs.
- ED 432 Teaching Writing - 3 crs.

Practical Component: Special Education - 31 Credits

- *ED 327 Collaborating with Families and Professionals in a Diverse Society - 3 crs.
- *ED 328 Teaching Students with Significant Disabilities - 3 crs.
- *ED 452 Strategies for Teaching Exceptional Youth - 3 crs.
- *ED 455 Legal Issues in Special Education - 3 crs.

- *ED 457 Curricular Adaptations for Learners with Disabilities - 3 crs.
- *ED 479 Assessment & Instruction for Children with Special Needs - 3 crs.
- ED 484 Educational/Behavioral Management in Special Education - 3 crs.
- *ED 487 Implementation Strategies in Special Education - 2 crs.
- *ED 439 Curriculum, Methods & Practicum for EBD/ID/SLD - 4 crs.
- *ED 438 Transition & Collaboration for Adolescents with Disabilities - 3 crs.
- *ED 449 Portfolio Completion - Special Education - 1 cr.

Experiential Component - 12 Credits

- ED 211 General Clinical I Experience - 0 cr.
- ED 212 Multicultural Clinical II Exp. - 0 cr.
- ED 213 Special Education Clinical III Experience - 0 cr.
- ED 245 Service Experience Clinical - 0 cr.
- *ED 345 Upper Division Status Clinical - 0 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 Teacher Certification Requirements - 6 Credits

- REL 404, REL 347, REL 333, PHIL 325, OR PHIL 334 - 3 crs.
- ED 306 Teaching the Faith - 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 Education, Instrumental/General Music Education, Physical Education, and Spanish Education are licensable as K-12 programs only.

CORE CURRICULUM:	48 - 55 credits
LUTHERAN/CHRISTIAN TEACHER CERT MAJOR:	9 credits
PUBLIC ED MAJOR:	31 - 37 credits
MAJOR SUBJECT AREA:	30 - 52 credits
TOTAL:	120 - 153 credits

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

CORE CURRICULUM 48 - 55 crs.**Common Core – 15 - 18 credits**

Theology (LTD AND CTC 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 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 for Teachers - 3 crs.

Philosophical Foundations:

ED 102 Foundations of Education - 3 crs.

Elective Core – 21 - 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 and Physical Science w/lab - 4 crs.

(SCI 100: Integrated Science recommended)

Note: Students must take both Life and Physical Science

Social Science: *ED 209 Educational Psychology-

Adolescent - 3 crs.

Theology Elective - 3 crs.

SECONDARY/K-12 EDUCATION MAJOR 31 - 37 crs.**Theoretical and Practical Components – 21 - 27 credits**

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 3_ Curriculum & Methods in Teaching

Majors & Minors - 3-6 crs.

+*ED 383 Comm. Arts in the Content Areas - 3 crs.

*ED 411 The Profession and Ethics of Teaching - 3 crs.

*ED 414 Portfolio Completion - Secondary - 1 cr.

PSY 221 Child Development

(For K-12 Majors only) - 3 crs.

+Must be completed concurrently

Education Seminars – 0 credits

ED 100 Orientation Seminar - 0 crs.

ED 200 UDS Seminar - 0 crs.

ED 300 Student Teaching Seminar - 0 crs.

Experiential Component – 15 credits

ED 211 General Clinical I Experience - 0 cr.

ED 212 Multicultural Clinical II Experience - 0 cr.

ED 213 Special Education Clinical III Experience - 0 cr. ED

245 Service Experience Clinical - 0 cr.

*ED 340 Upper Division Status Clinical - 0 cr.

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

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

Lutheran (LCMS Members) Teacher Diploma**Requirements – 6 credits**

REL 404 Lutheran Confessions - 3 crs.

ED 306 Teaching the Faith - 3 crs.

Christian Teacher Certification**Requirements – 6 credits**

REL 404, REL 347, REL 333, PHIL 325

OR PHIL 334 - 3 crs.

ED 306 Teaching the Faith- 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 Collaborating with Families and Professionals in a Diverse Society - 3 crs.

*ED 328 Teaching Students with Significant Disabilities - 3 crs.

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

*ED 457 Curricular Adaptations for Learners with Disabilities - 3 crs.

ED 484 Educational/Behavioral Management in Special Education - 3 crs.

*ED 487 Implementation Strategies in Special Education - 2 crs.

*ED 477 Practicum in Adaptive Education - 1 crs.

ATHLETIC COACHING MINOR 25 - 29 crs.

Required Core:

BIO 146 Essentials of Anatomy & Physiology (satisfies core life science requirement) - 4 crs.

Required Courses:

HHP 272 Introduction to Athletic Training - 3 crs.

HHP 275 Administration and Organization of Sport - 3 crs.

HHP 280 Psychology of Sport - 3 crs.

HHP 371 Exercise Physiology - 3 crs.

First Aid & CPR (Current Certification) OR take HHP 209 for 2 cr.

HHP 373 Motor Development - 3 crs.

HHP 375 Biomechanics - 3 credits

*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.

BIOLOGY EDUCATION MAJOR 49 crs.

Required Core:

BIO 141 General Biology I & Lab - 4 crs. (satisfies core life science requirement)

MATH 205 Statistics I - 3 crs.

(satisfies core mathematics requirement)

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 260 Microbiology - 4 crs.

BIO 348 Genetics - 4 crs.

BIO 410 Ecology & Lab - 4 crs.

SCI 275 Cosmogony - 3 crs.

*ED 376 Curriculum & Methods in Teaching Science - Secondary/Middle - 3 crs.

Physical Science Requirements - 8 crs.

CHEM 105 Elements of Gen. & Bio. Chem.

(satisfies core physical science requirement) and PHYS 151

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

& Lab (satisfies core physical science requirement)

and CHEM 142 General Chemistry II & Lab

BIOLOGY EDUCATION MINOR 23 crs.

BIO 141 General Biology I w/lab **OR**

SCI 152 w/lab in Core - 4 crs.

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

*ED 376 Curriculum & Methods in Teaching Science - Secondary/Middle - 3 crs.

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

SCI 151 Physical Science in Core - 4 crs.

Select two: (8 crs.)

BIO 156 Env. Science or BIO 410 Ecology

BIO 240 Zoology

BIO 244 Botany

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

BROAD FIELD SCIENCE EDUCATION MAJOR 48-49 crs.

The Broad Field Science Education major consists of 48-49 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 Education Major with a Concentration in Biology/Environmental Science (49 crs.)**Biology/Envir. Science Concentration (20 credits)**

BIO 141 General Biology I - 4 crs.
 BIO 142 General Biology II - 4 crs.
 BIO 146 Essentials of Anatomy/Physiology - 4 crs.
 BIO 156 Environmental Science - 4 crs.
 BIO 348 Genetics - 4 crs.

ED 376 Curriculum & Methods in Science
 - Secondary/Middle - 3 crs.

Earth Science Subcategory (10 credits)

SCI 235 Earth Science - 4 crs.
 SCI 195 Meteorology - 3 crs.
 SCI 275 Cosmogony - 3 crs.

Physical Science Subcategory (16 credits)

SCI 151 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 — Broad Field Science Education Major with a Concentration Physical Science (48 credits)**Physical Science Concentration (23 credits)**

PHYS 107 Astronomy - 3 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.
 CHEM 215 Survey of Organic Chemistry - 4 crs.

Biology/Environ. Science Subcategory (15 credits)

BIO 141 General Biology I - 4 crs.
 BIO 142 General Biology II - 4 crs.
 BIO 156 Environmental Science - 4 crs.

*ED 376 Curriculum & Methods in Science -
 Secondary/Middle - 3 crs.

Earth Science Subcategory (10 credits)

SCI 235 Earth Science - 4 crs.
 SCI 195 Meteorology - 3 crs.
 SCI 275 Cosmogony - 3 crs.

BROAD FIELD SOCIAL STUDIES EDUCATION MAJOR 54-63 crs.

The Broad Field Social Studies Education 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 Education Major requires a History Education Major with either a Social Science Education Minor or Social Science Education concentration.

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

History Education Major (1, 2, or 3, see Secondary History)
 - 30 crs. Social Science Education Minor - 33 crs.

Social Science Electives – 18 crs.

Choose 18 additional credits in a single social science area: political science, economics, psychology, sociology, or geography

Required Courses:

ECON 200 Principles of Economics - 3 crs.
 ED 209 Educational Psychology - 3 crs
 POLS 201 American Government - 3 crs
 SOC 101 Introduction to Sociology - 3 crs.
 GEOG 220 Cultural Geography - 3 crs.

OPTION B — History Education Major with Social Science Education Concentration**54 credits****Required Core:**

History Education Major (choose option 1, 2, or 3,
see Secondary History) - 30 crs.
Social Science Education Concentration - 24 crs.

Required Courses:

ECON 200 Principles of Economics - 3 crs.
ED 209 Educational Psychology - 3 crs.
POLS 201 American Government - 3 crs.
SOC 101 Introduction to Sociology - 3 crs.
GEOG 220 Cultural Geography - 3 crs.

CHEMISTRY EDUCATION MINOR 19 crs.

CHEM 141 General Chemistry I - 4 crs.
CHEM 142 General Chemistry II - 4 crs.
CHEM 215 Survey of Organic Chemistry - 4 crs.

ENGLISH EDUCATION MAJOR 42 crs.

ENG 190 Introduction to English Studies - 3 crs.
(Optional, but recommended for English majors,
satisfies core literature requirement)
ENG 245 Advanced Writing - 3 crs.
(If ENG 190 is completed, ENG 245 can be used
to satisfy core writing requirement and an additional
3 credit English elective is required)
ENG 252 Teaching Adolescent Literature - 3 crs.
ENG 305 Advanced Grammar and Usage - 3 crs.
ENG 341 American Literature I - 3 crs.

ENGLISH EDUCATION MINOR 24 crs.

ENG 190 Introduction to English Studies - 3 crs.
(Optional, but recommended for English majors,
satisfies core literature requirement)
ENG 245 Advanced Writing - 3 crs.
(If ENG 190 is completed, ENG 245 can be used
to satisfy core writing requirement and an additional
3 credit English elective is required)
ENG 305 Advanced Grammar and Usage - 3 crs.
ENG 365 English - Its Cultural Development - 3 crs.

ESL: ENGLISH AS A SECOND LANGUAGE MINOR

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.) - 6-12 crs.
ED 365 Cross-Cultural Communication for Teachers of
English Language Learners OR
COMM 460 Cross-Cultural Communication - 3 crs.
ED 237 Basic English Linguistics for Teachers of
Language Learners OR
ENG 240 Basic English Linguistics - 3 crs.

GERMAN EDUCATION MINOR 18 crs.

GER 201 Intermediate German I - 3 crs.
GER 202 Intermediate German II - 3 crs.
GER 301 German Conversation & Composition - 3 crs.
GER 307 Applied Linguistics - 3 crs.

Social Science Electives - 9 Crs.

Choose 9 additional credits: 3 credits from social
science area #1, #2, and #3. Choose from the following
areas: political science, economics, psychology,
sociology, and geography.

*ED 388 Curriculum & Methods in English
and Social Studies - Second / Middle

CHEM 225 Analytical Chemistry - 4 crs.

*ED 376 Methods of Teaching Science -
Secondary Middle - 3 crs.

ENG 342 American Literature II - 3 crs.

ENG 344 English Literature I - 3 crs.

ENG 345 English Literature II - 3 crs.

ENG 347 World Literature - 3 crs.

ENG 365 English - Its Cultural Development - 3 crs.

ENG 465 Shakespeare - 3 crs.

ENG 475 Literary Criticism - 3 crs.

*ED 432 Teaching Writing - 3 crs.

*ED 388 Curriculum and Methods of Teaching English
and Social Studies - Secondary / Middle - 3 crs.

*ED 432 Teaching Writing - 3 crs.

*ED 388 Curriculum and Methods of Teaching English and
Social Studies - Secondary / Middle - 3 crs.

Select two courses from this list (6 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 **OR**

ENG 465 Shakespeare - 3 crs.

24 - 30 crs.

*ED 315 Observation, Analysis, and Practicum
in ESL - 3 crs.

ED 316 ELL Literacy: Reading, Writing and
Grammar Strategies - 3 crs.

ED 317 Accommodating Differences in
Literacy Learners - 3 crs.

*ED 323 Curriculum and Methods of
Teaching ESL - 3 crs.

GER 331 Advanced German Grammar
& Composition - 3 crs.

*ED 310 Curriculum and Methods in Teaching
Foreign Language - 3 crs.

GER 305 German Immersion Experience - 0 cr.

HEALTH EDUCATION MINOR 23 - 25 crs.**Required Core:**

HHP 100 Introduction to Lifetime Fitness **OR**
 HHP 254 Foundations of Fitness (replaces HHP 100
 for Physical Education majors) 1 - 3 crs.
 BIO 146 Essentials of Anatomy & Physiology - 4 crs.
 (counts in Core for Life Science requirement)

Required Courses:

First Aid and CPR (Current certification required
 or take HHP 209 for 2 crs.)

HHP 260 School 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.
 * 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 EDUCATION MAJOR 30 crs.

*ED 388 Curriculum & Methods in English and
 Social Studies - Secondary / Middle - 3 crs.

NOTE: History Education majors may need to complete additional elective credits to meet the minimum credit requirement for a bachelor's degree.

I. Emphasis in American History**

United States History - 15 crs.
 European History - 6 crs.
 Non-Western/Global History - 3 crs.
 European or Non-Western History - 3 crs.

II. Emphasis in European History**

European History - 15 crs.
 United States History - 6 crs.
 Non-Western/Global History - 3 crs.
 U.S. or Non-Western/Global History - 3 crs.

III. Emphasis in Global History**

Non-Western/Global History - 15 crs.
 United States History - 6 crs.
 European History - 3 crs.
 European or U.S. History - 3 crs.

**Students must take at least one 100-level survey course and two upper level courses.

HISTORY EDUCATION MINOR 18 crs.

United States History - 3 crs.
 European History - 3 crs.
 Non-Western/Global History - 3 crs.

*ED 388 Curriculum & Methods in Social Studies -
 Secondary/Middle - 3 crs.
 Elective Credits: Choose 6 elective history credits - 6 crs.

MATHEMATICS EDUCATION MAJOR 43 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.
 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 EDUCATION MINOR 20 crs.

MATH 205 Statistics I - 3 crs.
 MATH 201 Calculus I - 4 crs.
 MATH 202 Calculus II - 4 crs.

MATH 220 Discrete Mathematics - 3 crs.
 *ED 312 Math in the Middle School - 3 crs.
 *ED 374 Curriculum and Methods in
 Mathematics - Secondary/Middle - 3 crs.

PSYCHOLOGY - EDUCATION MINOR 18 crs.

PSY 201 Interpersonal Communication - 3 crs.
 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 this list:**

PSY 222, PSY 245, PSY 312, PSY 315, PSY 354, PSY 360,
 PSY 460, SOC 203, SOC 255, SOC 365, SOC 375

SPANISH EDUCATION MINOR 18 crs.

SPAN 201 Intermediate Spanish I - 3 crs.
 SPAN 202 Intermediate Spanish II - 3 crs.
 SPAN 301 Spanish Conversation & Composition - 3 crs.
 SPAN 307 Applied Linguistics - 3 crs.

SPAN 331 Advanced Grammar and Composition 3 crs.
 SPAN 305 Spanish Immersion Experience - 0 crs.
 *ED 310 Curriculum & Methods in Teaching a
 Foreign Language - 3 crs.

SPEECH EDUCATION MINOR 18 crs.

COMM 201 Interpersonal Communication - 3 crs.
 COMM 205 Advanced Public Speaking - 3 crs.
 BCOM 300 Group Dynamics - 3 crs.
 ED 208 Extracurricular Activities in Fine Arts - 3 crs.

COMM 460 Cross-Cultural Communication - 3 crs.
 *ED 388 Curriculum & Methods of Teaching English
 and Social Studies - Secondary / Middle - 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.

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 education, music - general/choral, music - general/instrumental, physical education, and Spanish education. 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 44 crs.**Required Core:**

ART 141 Drawing Fundamentals - 3 crs.
(satisfies core Creative Arts requirement)

Required Art Courses – 33 credits

ART 110/111 Design Fundamentals **OR**
2D Composition - 3 crs.
ART 130/131 Digital **OR** Darkroom Photography I - 3 crs.
ART 210 3D Design - 3 crs.
ART 230 Printmaking Studio I - 3 crs.
ART 245 Drawing II - 3 crs.
ART 170 Ceramics I - 3 crs.
ART 265 Painting I - 3 crs.

ART 275 Sculpture I - 3 crs.
ART 285 Art History I - 3 crs.
ART 286 Art History II - 3 crs.
ART 381 Aesthetics - 3 crs.

Required Art Education Courses – 8 credits

AE 235 Elementary Art Education
Theory and Practice - 2 crs.
AE 335 Secondary Art Education Theory & Practice - 3 crs.
AE 340 Curriculum Design for Art Education - 3 crs.

BUSINESS EDUCATION MAJOR 39 crs.

ACCT 203 Financial Accounting
(requires sophomore standing) - 3 crs.
ACCT 223 Managerial Accounting
(requires sophomore standing) - 3 crs.
MGMT 130 Principles of Management - 3 crs.
BUS 161 Business Essentials - 3 crs.
BUS 210 Business Law I - 3 crs.
MGMT 360 Small Business Administration - 3 crs.

MGMT 450 International Business - 3 crs.
ECON 200 Principles of Economics - 3 crs.
BCOM 247 Business Writing - 3 crs.
MKTG 131 Principles of Marketing - 3 crs.
CSC 150 Foundations of Computer Science - 3 crs.
CSC 175 Informatics: Application of Technology - 3 crs.
*ED 377 Curriculum & Methods in Business Education - 3 crs.
Note: Business education majors may need to complete additional elective credits to meet the minimum credit requirement for a bachelor's degree.

GERMAN EDUCATION MAJOR 33 crs.

GER 201 Intermediate German I - 3 crs.
GER 202 Intermediate German II - 3 crs.
GER 301 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.
Advanced German Language/Culture - 9 crs.
(Generally taken during study abroad experience)
*ED 310 Curriculum and Methods in Teaching
Foreign Language - 3 crs.
GER 305 German Immersion Experience - 0 cr.
(Semester Abroad)

MUSIC EDUCATION MAJOR – GENERAL/CHORAL (K-12) 46 crs.

MUS 080 Concert/Recital Attendance
(each semester - must pass 7 semesters) - 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 - 1 crs.

MUS 351 Advanced Conducting - 3 crs.
MUS 499 Recital (principal area) - 2 crs.
APPLIED MUSIC (Studio instruction in voice, piano,
or organ Minimum 3 sem. at 2 cr./sem. in principal
area and 2 sem. at 1 cr./sem. in minor area) - 8 crs.
ENSEMBLE (Minimum 4 semesters in a choral
ensemble for credit) - 4 crs.
*ED 379 Curriculum & Methods in Teaching
Choral Music - Secondary - 2 crs.
*ED 403 Elementary General Music Methods - 2 crs.

MUSIC MAJOR – GENERAL/INSTRUMENTAL (K-12) 51 crs.

- MUS 080 Concert/Recital Attendance
(each semester - must pass 7 semesters) - 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 - 1 crs.
- MUS 357 Techniques of Teaching Woodwinds - 1 crs.
- MUS 358 Techniques of Teaching Percussion - 1 crs.
- MUS 359 Techniques of Teaching Strings - 1 crs.

- MUS 499 Recital (principal area) - 2 crs.
- APPLIED MUSIC** (Studio instrumental instruction)
Minimum 3 sem. at 2 cr./sem. in principal area
and 3 sem. at 1 cr./sem. in minor area - 9 crs.
- ENSEMBLE** (5 semesters in an
instrumental ensemble for credit) - 5 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 Instrumental
Music - Secondary - 2 crs.
- *ED 403 Elementary General Music Methods - 2 crs.

PHYSICAL EDUCATION MAJOR 41 crs.

Students completing this program are also eligible for licensure in athletic coaching, adaptive physical education, and health education.

- BIO 146 Essentials of Anatomy & Physiology - 4 crs.
- HHP 371 Exercise Physiology - 3 crs.
- HHP 373 Motor Development - 3 crs.
- HHP 375 Biomechanics - 3 crs.
- *ED 459 Measurement & Evaluation in Health
and Physical Education - 3 crs.
- *ED 475 Adaptive Physical Education - 3 crs.
- *ED 476 Curriculum and Methods of Health Ed. - 3 crs.
- * ED 486 Practicum in Adaptive Physical Education - 0 crs.
- HHP 260 School and Community Health - 3 crs.

- HHP 265 Healthy Lifestyles - 3 crs.
- HHP 250 Teaching Core Activities II - 3 crs.
- ED 382 Curriculum and Methods for Teaching Physical
Education Secondary - 3 crs.
- *ED 381 Curriculum and Methods for Teaching Physical
Education Elementary - 3 crs.
- ED 476 Curriculum and Methods of Health Education - 3 crs.

Electives – (choose 2) – 4 crs.

- HHP 281, HHP 282, HHP 284, HHP 286, HHP 287,
HHP 288, or HHP 290

*Courses require Upper Division Status

SPANISH EDUCATION MAJOR 33+ crs.

SPAN 201 Intermediate Spanish I - 3 crs.
 SPAN 202 Intermediate Spanish II - 3 crs.
 SPAN 301 Spanish Conversation and Composition 3 crs.
 SPAN 307 Applied Linguistics - 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 305 Spanish Immersion Experience
 (Semester Abroad) - 0 crs.
 *ED 310 Curriculum and Methods of Teaching
 Foreign Language - 3 crs.

EDUCATIONAL STUDIES MINOR (non-licensable) 18 crs.

ED 211 Clinical I - 0 cr.
 ED 212 Clinical II - 0 cr.
 ED 213 Clinical III - 0 cr.
 ED 102 Foundations of Education - 3 crs.
 ED 103 Human Relations for Teachers - 3 crs.
 ED 275 Human Learning, **OR**
 ED 209 Educational Psychology - Adolescent **OR**
 PSY 221 Child Development (If PSY 221 is not used
 to fulfill core requirement) - 3 crs.
 ED 230 Nature of the Exceptional Child - 3 crs.

Electives:

**Choose 6 credits from the following or
 other approved courses:**

ED 293, ED 294, *ED 306, ED 327, *ED 350, *ED 362,
 *ED 411, *ED 484 - 6 crs.

Teacher Colloquy Program (LCMS)

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). 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: Communication Sciences and Disorders (UG), Diagnostic Medical Sonography (UG), 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).

Communication Sciences and Disorders

48 credits

OVERVIEW

Communication Sciences and Disorders (CSD) is the study of normal and abnormal communication including their development and disorders. Students studying Communication Sciences and Disorders learn foundational knowledge in the bases of communication and swallowing, normal development across the lifespan, and about the clinical management of children and adults with communication disorders. The Communication Sciences and Disorders is one major that leads to careers in one of two disciplines; either Speech-Language Pathology or Audiology. Both of these career choices requires successful completion of a graduate degree to enter clinical practice. Additionally, the CSD major prepares students to become a speech-language pathology assistant for those individuals who choose not to pursue a graduate degree. For more information about career options associated with this major, go to www.asha.org.

Undergraduate Student in Communication Sciences & Disorders (CSD) Learning Outcomes

Upon successful completion of the CUW major in Communication Sciences & Disorders, students will have demonstrated:

- Effective knowledge and skills to incorporating the complex relationship between faith, learning, and practice in the areas of Communication Sciences and Disorders.
- Effective verbal and written professional skills
- Knowledge in basic speech, language, communication and swallowing processes
- An understanding of evidence-based prevention, evaluation and intervention practice for speech, language, hearing, communication, and swallowing disorders
- Professional interaction skills with patients, families, and other health care professionals
- Ethical and professional behavior in clinical care through service learning and/or the provision of clinical services in the CUW inter-professional education (IPE) clinic.
- The completion of 25 required hours of clinical observation.

MISSION STATEMENT

The Speech-Language Pathology department is dedicated to the missions of Concordia University Wisconsin and the School of Health Professions and is focused on developing independent life-long learners with strong critical thinking and communication abilities. In addition, the Speech-Language Pathology program aims to prepare students for the opportunities and rigors of a vocation positively impacting communicatively challenged individuals and their families by providing outstanding academic/clinical education, as well as community outreach. The Speech-Language Pathology program also aims to support the continuing education needs of practicing clinicians to ultimately have a positive impact on individuals with communication and/or swallowing challenges. This professional education is grounded in faith, excellence, and service to others.

MAJOR COURSE/ PLAN OF STUDY

The undergraduate major in Communication Sciences and Disorders requires successful completion of 120 credit hours. This degree requires 48 credit hours within the major (courses offered within the Speech-Language Pathology Department), 48 credit hours in the common core, and 24 credit hours for minor and/or electives. The required courses in the major are listed on the table below.

COMMUNICATION SCIENCES AND DISORDERS COURSES

Semester	Course #	Course Title	Credits	Required/ Not Required
Freshman Spring	CSD 100	Introduction to Communication Sciences and Disorders	3	NR
Sophomore Fall	CSD 210	Anatomy and Physiology of the Speech and Hearing Mechanism	3	R
	CSD 220	Clinical Phonetics	3	R
Sophomore Spring	CSD 230	Foundations of Cognition and Language	3	R
	CSD 240	Speech and Language Development	3	R
	CSD 300	Kinesiology and Motor Learning	3	R
Junior Fall	CSD 250	Hearing Science	3	R
	CSD 260	Speech and Language Disorders in Children	3	R
	CSD 270	Multicultural Populations	3	R
Junior Spring	CSD 310	Audiology	3	R
	CSD 320	Speech Science	3	R
	CSD 330	Speech and Language Disorders in Adults	3	R
	CSD 340	Research Seminar	1	Selective elective
Senior Fall	CSD 410	Aural Rehabilitation	3	R
	CSD 420	Clinical Methods and Observation	3	R
	CSD 430	Service Delivery and Ethics	3	R
	CSD 440	Research Practicum	1 - 3	Selective elective
Senior Spring	CSD 450	Clinical Practicum	1	Selective elective
	CSD 460	School Methods	2	R
	CSD 470	Neurological Bases of Communication Disorders	3	R
	CSD 475	Senior Seminar	1	R
		Total Major required credits	48	

Communication Sciences and Disorders is a 120 credit major

CLINICAL PRACTICE/PRACTICUM

Clinical practicum, a course which involves contact with actual clients in a clinical setting, is will an elective course for selected seniors. Students wishing to enroll in CSD 450 Clinical Practicum must have completed a minimum of 90 credit hours and have a minimum overall GPA of 3.25 prior to the enrollment in this course.

SAMPLE SCHEDULE

Suggested schedule to follow as a plan of student for student in the CSD major.

Fall Year 1	Spring Year 1
Communication Core COMM 105/201 3	Intro Comm Sci & Dis CSD 100 3
Essent Ant & Phys BIO 146 4	Statistics 1 MATH 205 3
Intro to Writing ENG 104 3	Civilization/Worldviews: Hist HIST 103 3
General Psych PSY 101 3	Minor Course XXX 3
Intro to Lifetime Fitness HHP 100 1	Foreign Language Core XXX 3/4
Medical Terminology RSC 106 1	
15	15/16

Fall Year 2	Spring Year
Anat & Phys Sp & Hear Mech CSD 210 3	Found of Cog & Lang CSD 230 3
Clinical Phonetics CSD 220 3	Speech & Lang Devel CSD 240 3
Minor Course XXX 3	Kinesiology & Motor Learning CSD 300 3
Physics I PHYS 151 4	Citizenship Core XXX 3
Lifespan Development PSY 230 3	Civilization/Worldviews: Lit ENG 103 3
	Phy Ed Activity Course HHP 1XX 1
16	16

Fall Year 3	Spring Year 3
Hearing Science CSD 250 3	Audiology CSD 310 3
Speech-Lang Dis in Children CSD 260 3	Speech-Lang Dis in Adults CSD 330 3
Multicultural Pop CSD 270 3	Speech Science CSD 320 3
Minor Course XXX 3	Research Sem (Optional) CSD 340 1
The Bible REL 100 3	Christian Faith REL 110 3
	Creative Arts Core XXX 3

15	15/16
Fall Year 4	Spring Year 4
Aural Rehab CSD 410 3	Neurological Bases of Comm CSD 470 3
Clinical Methods/Observ CSD 420 3	School Methods CSD 460 2
Service Deliv/Ethics CSD 430 3	Senior Seminar CSD 475 1
Research Practicum (Optional) CSD 440 1 to 3	Minor Course XXX 3
Minor Course XXX 3	Philosophy Core XXX 3
Religion Elective XXX 3	Culture Core XXX 3
15/18	15

MINOR

A minor in Communication Sciences requires 21 credit hours in CSD courses (18 credit hours of required coursework + 3 credit elective). Coursework required for the minor is listed on the table below:

MINOR PLAN OF STUDY

Fall Courses	Spring Courses
Anat & Phys Speech/Hearing Mech CSD 210 3	Intro to Comm. Science & Disorders CSD 100 3
Hearing Science CSD 250 3	Speech & Lang Devel CSD 240 3
CSD Elective Course CSD XXX 3	Speech Science CSD 320 3
	Neurological Bases of Comm CSD 470 3
	CSD Elective Course CSD XXX 3
Total Fall Minor Credits 6/9	Total Spring Minor Credits 12/15

LEVELING PROGRAM

The Leveling Program is intended for students who possess a bachelor's degree in a major other than CSD who are interested in qualifying for graduate study in Speech-Language Pathology. The Leveling Program in SLP is nationally recognized as a means of completing the requisite education to prepare a student for graduate study in SLP. The CUW Leveling Program

requires interested students to complete 30 credit hours (10 courses) in the CSD major in one year of study prior to entering a graduate SLP program. Completion of the Leveling Program does not guarantee a student admission to a graduate program.

LEVELING PROGRAM PLAN OF STUDY

Fall Courses			Spring Courses		
Anat & Phys Speech/Hearing Mech	CSD 210	3	Speech & Lang Devel	CSD 240	3
Clinical Phonetics	CSD 220	3	Speech Science	CSD 320	3
Hearing Science	CSD 250	3	Audiology	CSD 310	3
Speech-Lang Dis in Children	CSD 260	3	Speech-Lang Dis in Adults	CSD 330	3
Clinical Methods/Observ	CSD 420	3	Neurological Bases of Comm	CSD 470	3
15			15		

GRADUATE PROGRAM IN SPEECH-LANGUAGE PATHOLOGY

Concordia University Wisconsin is excited to announce development of a Master of Science degree in Speech-Language Pathology beginning in Summer of 2019. This is a 2-year program which will prepare students for licensure, clinical certification, and a career in Speech-Language Pathology. Student will receive a state-of-the-art academic and clinical education with opportunities for Interprofessional Education. Upon successful completion of the CUW SLP graduate program in speech-language pathology, students will have demonstrated the knowledge and skills necessary for ASHA certification with a faith-based focus. Students will have completed the required 25 hours of observation and 375 hours of clinical practicum and be prepared to transition into their clinical fellowship year. Upon completion of their clinical fellowship, students will have completed all the requisite knowledge and skills competencies completed and will be eligible to apply for their certificate of clinical competence (CCC) through ASHA. Additionally, students will have demonstrated effective and professional interaction skills with patients, families, and other health care professionals through service learning and/or the provision of clinical services in the CUW Interprofessional education (IPE) clinic while working collaboratively with other disciplines. This program will require successful completion of 42 core academic credit hours, 6 credit hours of electives, and 9 credit hours of clinical practicum resulting in a minimum of 57 credit hours of coursework (academic and clinical) for completion.

Completion of an undergraduate degree in Communication Sciences and Disorders at CUW does not guarantee students admission to the graduate program in Speech-Language Pathology.

Diagnostic Medical Sonography (Ultrasound)

PROGRAM OVERVIEW

This is a four-year undergraduate program that requires completing four or more semesters of pre-professional course work to prepare for the two-year professional didactic and clinical training. The program offers two professional options. One is conducted by CUW with classroom (didactic) sessions at CUW and clinical placement at Milwaukee area hospitals and clinics. The other is conducted at local, hospital-based, accredited programs who provide the didactic training and clinical experience.

Students graduate with a Bachelor of Science degree from Concordia University and they are qualified to apply for national certification 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 or clinic setting. Students who graduate with a BS in Diagnostic Medical Sonography have an opportunity to specialize in the many, various fields of sonography.

ACCREDITATION

The professional and clinical program at CUW is accredited, upon recommendation of the Joint Review Committee on education in Diagnostic Medical Sonography (JRCEDMS), by the Committee on Accreditation of Allied Health Education Programs (CAAHEP). www.caahep.org. Hospital based programs affiliated with CUW are required, by contract, to be CAAHEP accredited.

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 up to 20 consecutive months long. Each student must complete a Certified Nursing Assistant (CNA) program before submitting their clinical application (December of sophomore year). Students are required 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 for the pre-professional component. They will be required to complete all the pre-professional coursework and activities to apply to the professional program. It is recommended that students complete anatomy & physiology, physics, and biology in high school to better prepare them for this major.

PRE-PROFESSIONAL REQUIREMENTS

Diagnostic Medical Sonography students complete the general CUW core courses. In addition, students are required to take additional required classes (see course lists below). Students must maintain a 3.0 overall GPA to qualify for application to the professional program. 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.

STUDENT SELECTION

Students who satisfactorily complete their pre-professional requirements are required to apply for placement in the Diagnostic Medical Sonography Program. Application forms are available in the Advising Office and students are encouraged to seek advising as soon as they are considering this major. Upon application, interviews will be scheduled with the students as part of the selection process. Students are required to interview with the CUW program first. If they are not selected into the CUW professional program, their applications will be forwarded to our local, hospital-based accredited Sonography affiliates.

TUITION

Students in the Diagnostic Medical Sonography program will pay CUW tuition during the pre-professional and professional aspects of the program. Students in the professional aspect of the program pay for 4 semesters and do not have to pay any overload tuition charges. If the student is attending an affiliated, hospital-based, program, a percentage of the tuition will be given to that 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.

BACHELOR OF SCIENCE IN DIAGNOSTIC MEDICAL SONOGRAPHY**Pre-Professional CUW courses:**

CORE CURRICULUM:	48 credits
ADDITIONAL REQUIREMENTS:	24 credits
	72 CUW credits

Common Core: - 15 credits (Take these specific courses)

Bible Content (REL 100: The Bible) - 3 crs.

Christian Doctrine (REL 110: Christian Faith) - 3 crs.

History (HIST 103: Civilizations & 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 (one of these two courses are required, only DMS 200 is available to CUAA students)

POLS 285: Amer. Politics & Health Care Policy* - 3 crs.

DMS 200: Medical Law and Ethics* - 3 crs.

Communication - COMM 201: Interpersonal Communication* - 3 crs.

Culture: choice of elective - 3 crs.

Philosophical Foundations: choice of elective - 3 crs.

Elective Core: - 21 credits

Creative Arts: choice of elective - 3 crs.

Foreign Language: choice of language - 3 crs.

Mathematics (Math 128: College Algebra or higher)* - 3 crs.

Physical Development (HHP 100: Introduction to Lifetime Fitness) - 3 crs.

Physical Development Activity Course (HHP Activity) - 3 crs.

Science with a lab (BIO I91: Anatomy & Physiology I)*-4 crs.

Social Science (PSY 101: Introduction to Psychology) - 3 crs.

Theology elective: choice of Religion course above REL 204 - 3 crs.

Additional Requirements:

BIO 192: Anatomy & Physiology II* - 4 crs

RSC 106: Medical Terminology* - 1 cr.

BIO 141 (or 151): Biology I - 4 crs.

BIO 142 (or 152): Biology II- 4 crs.

PHYS 151: Physics I** - 4 crs

PHYS 152: Physics II** - 4 crs.

BIO 285: Pathophysiology* - 3 crs.

- It is required that each student become a Certified Nursing Assistant (CNA) and pass the State License Exam before they interview for a clinical placement. A minimum of 100 hours employed as a CNA are required before applying to the program.
- CPR for Healthcare Providers is also required - it is best to take this the year you apply to clinicals - it is not offered as a credit course. It is the responsibility of the student to complete this.
- 3.0 cumulative GPA required by end of the 3rd semester (when clinical applications are due)
- 3.0 GPA/grade of B or above (no B-) required in the following courses (these courses are denoted by *):
 - Communications (ENG 104 and COMM 201)
 - Math (Math 128 or higher)
 - Anatomy & Physiology (BIO 191 and BIO 192)
 - Citizenship (POLS 285 or DMS 200)
 - Medical Terminology
 - Pathophysiology
- 2.0 GPA grade C or above in physics (PHYS 151 and PHYS 152) indicated above by **
- Students will only be allowed to retake a science course one time. ALL grades for the science courses (even classes that were retaken) will be averaged into an Average Science GPA by the clinical Program Directors. Students should aim for a B Average/.0 Average Science GPA

Other requirements:

Fluency in written and spoken English is essential to succeed in the program and to ensure patient safety. If English is a second language, you must be able to demonstrate fluency to the satisfaction of the selection committee.

Health status

You must undergo a health review at by your physician, physician's assistant, or nurse practitioner. This review will be documented in the forms provided in the program application packet. Appointment to the program depends upon successful completion of the health review.

- A physical examination (are free from communicable disease) or health history updated in the past 12 months.
- A negative test for tuberculosis, as shown by a negative Mantoux test, a negative QuantiFERON-TB test, or a negative chest x-ray within the past 12 months
- Immunity to rubella as shown by a positive titer or documented dose (1) of live virus vaccine administered after the 1st birthday
- Immunity to rubeola (measles) as shown by a positive titer or two documented doses of live virus vaccine administered a minimum of 28 days apart after the 1st birthday
- Immunity to mumps as shown by a positive titer or two documented doses of live virus vaccine administered a minimum of 28 days apart after the 1st birthday
- Immunity to Varicella as shown by a positive titer, evidence of two vaccinations, or reported history of Chicken Pox disease
- The seasonal influenza vaccine or have completed an Influenza Vaccination Exemption Form (from when vaccine becomes available in the community until March 31st)

Medical insurance

Students are required to maintain a health insurance policy during the program. You must provide evidence of health insurance at the start of the program.

Background check

You must pass a criminal background check required by the State of Wisconsin. You must also pass a drug screening test prior to enrollment.

Student responsibilities

Concordia University of Wisconsin Diagnostic Medical Sonography students are expected to attend all scheduled classes, examinations and assigned clinical rotations unless they are given an approved absence. To continue in the program you must pass the orientation course given during the first week of the program. You must also maintain an accumulated GPA of 3.0 or above in each course within the program and you are required to exhibit professional and ethical conduct at all times.

Technical standards

To be considered for admittance you should exhibit strong qualifications for the health profession you wish to pursue. Applicants to programs must possess the following general qualities:

- Good analytic ability with ability to apply knowledge and reach decisions
- Ability to perceive spatial relationships, think visually
- Self-confidence and ability to work independently
- Mature outlook on personal relationships
- Respect for the diversity of others
- Flexibility
- Enjoyment of serving others
- Able to sit/stand relatively still for long periods

In addition to the general standards described above, the Sonography Program requires the following physical abilities:

- Lift/carry an average of 20 lbs. from 26-75% of the time
- Push/pull an average of 50 lbs. from 26-75% of the time
- Reach overhead 0-25% of the time
- Climb 0-25% of the time
- Squat/bend/kneel 76-100% of the time
- Sit 26-75% of the time
- Stand 76-100% of the time
- Walk/move 76-100% of the time
- Distinguish audible Doppler signals
- Adequately view images, including color distinctions

You must be able to perform the essential functions of the profession and meet the standards of the curriculum. To seek exceptions to these standards or reasonable accommodations, you should initiate a request with the program director.

For those students selected into the Professional program conducted by CUW, the following curriculum is required for the class starting in 2017.

Semester 1 (Fall) 17 crs.

DMS 300 Sonography foundations - 2 crs.
 DMS 311 Sonography Principles and Instrumentation 1- 2 crs.
 DMS 321 Vascular Sonography 1- 3 crs.
 DMS 331 Abdominal Sonography 1- 4 crs
 DMS 341 OB/Gyn sonography 1- 3 credits
 DMS 371 Clinical Practicum 1* - 3 crs.

Winterim 1 (3 weeks) 2 crs.

DMS 372 Clinical Practicum 2* - 2 crs .

Semester 2 (Spring) 1 15 crs.

DMS 312 Sonography Principals and Instrumentation 2- 2 crs.
 DMS 322 Vascular Sonography 2- 2 crs.
 DMS 332 Abdominal Sonography 2- 3 crs.
 DMS 342 OB/GYN Sonography 2- 3 crs
 DMS 373 Clinical Practicum 3* - 4 crs.

Semester 3 (Summer) 12 crs.

DMS 302 Superficial and Pediatric Sonography- 2 cr.
 DMS 313 Sonography Principles and Instrumentation 3- 2 crs.
 DMS 323 Vascular Sonography 3- 2 crs.
 DMS 443 OB/GYN Sonography 3- 2 crs.
 DMS 352 Case Review 2- 1 cr.
 DMS 374 Clinical Practicum 4* 3 crs.

Semester 4 (Fall) 13 crs.

DMS 333 Abdominal Sonography 3- 1 crs
 DMS 414 Sonographic Principles and Instrumentation Review- 1 cr.
 DMS 434 Vascular Sonography 4-1 crs.
 DMS 444 OB/GYN Sonography 4- 3 crs.
 DMS 453 Case Review 3- 1 cr.
 DMS 475 Clinical Practicum 5* - 6 crs.

Winterim 2 (3 weeks) 2 crs.

DMS 476 Clinical Practicum 6* - 2 crs.

Semester 5 (Spring) 12 crs.

DMS 403 Musculoskeletal Sonography- 1 cr.
 DMS 460 Professional Development- 1 cr.
 DMS 454 Case Review 4- 1 cr.
 DMS 477 Clinical Practicum 7* - 7 crs.
 DMS 480 Registry Review- 3 crs.

*clinical practicum credits are computed where 5 clinical hours are equivalent to 1 didactic hour

Students selected into the professional program offered by our hospital-based affiliate programs will follow curriculums of those programs.

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 (unless applying for accelerated admission, see below), 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.

ACCELERATED/PRIORITY ADMISSION FOR CONCORDIA UNDERGRADUATE STUDENTS

Concordia University offers both accelerated and priority admission process for undergraduate students who attend Concordia University.

For Accelerated Admission into DPT program at Concordia Wisconsin students must:

1. Major in Bachelor of Science in Rehabilitation Science (BSRS)/DPT track at the Mequon Campus
2. Maintain a 3.45 in Science prerequisite courses & 3.0 overall GPA in the BSRS curriculum
 - a. If Science GPA or overall GPA falls below 3.45/3.0 student will be required to (with help of advisor) select another undergraduate degree
 - b. Must achieve at least a 3.0 in all Science prerequisite coursework
3. Demonstrate proficiency in science courses in the first attempt at taking the course. Science prerequisite GPA will be calculated using the first earned grade in the course. If a student re-takes a course and he/she desires the second grade counted to their GPA (science or overall), they are no longer eligible for accelerated admission and will need to apply through the regular 4 year DPT degree application process (process open to graduates of non-Concordia Wisconsin degree programs). In addition, students who withdraw from a course late in the semester are not eligible for accelerated admission.
4. Have all Science prerequisite courses completed by end of spring semester sophomore year and apply for early decision via Physical Therapy Centralized Application Service (PTCAS) during summer between sophomore and junior year.
5. Have all their science prerequisite course work completed at Concordia University Mequon
6. Complete 40 hours of observation of a diversity of PT services
7. Complete an admission interview during early decision day. This will occur during Fall Semester of their Junior Year

Concordia offers priority admission to the Doctor of Physical Therapy program to students who:

- are current, full time student at CUW and CUAA who will graduate with a bachelor's degree from CUW or CUAA,
- 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,
- have all their science prerequisite course work completed at CUW or CUAA
- submit all application materials by the PTCAS Early Decision deadline, and
- successfully complete a personal interview.
- must complete 40 hours of observation of a diversity of physical therapy practice settings

All prerequisite science courses must be completed at CUW/CUAA, and cannot have been previously completed at another institution. If a CUW/CUAA prerequisite science course is repeated, the first, original grade will be considered when determining whether or not the student is eligible for priority admission. Accelerated admission applicants are not required to take the GRE. All other applicants (including priority) must 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 full-time students in the summer 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
- Submit GRE scores

Science Prerequisites (CUW course numbers listed in parenthesis)

- Chemistry- Two semesters of sequenced courses with labs (Chemistry 141 and 142)
- 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 191 and 192)

Other prerequisites

- Statistics- One semester
- Psychology- One semester
- Behavioral or Social Science- One semester in addition to the Psychology requirement above

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. Applicants applying for accelerated or priority admission are required to apply through PTCAS early decision process. To learn more about the PTCAS application process, please visit the PTCAS website at www.ptcas.org, or contact graduate admissions at Concordia.

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.

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 Physical Therapy Program at Concordia University Wisconsin is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone 703-706-3245; email accreditation@apta.org; website: 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 Summer. The program is fulltime and encompasses six semesters, three winterims, and three summer sessions. The curriculum combines classroom, laboratory, and supervised clinic-based instruction.

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 Science in Physician Assistant Studies program. No specific major is required or preferred, provided that all pre-physician assistant requirements are met prior to entering the graduate program if accepted. Students work with their Academic Advisor to complete the courses 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/entrance.html> and <https://www.cuw.edu/programs/physicianassistant/admission.html>

An undergraduate degree may be completed in four years depending on the major selected.

ADMISSION FOR CONCORDIA UNDERGRADUATE STUDENTS and ALUMNI

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

CU alumni will be guaranteed an interview if the graduate has completed their PA application by the deadline and have achieved a cumulative grade point average of at least 3.40, and a cumulative prerequisite science grade point average of at least 3.40 while attending CU.

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 the required service designated by CASPA. Applicants cannot have more than one prerequisite science course and one non-science prerequisite course pending in the year prior to entering the program if accepted.
- Documentation of 100 hours of health care experience plus 24 hours of shadowing a Physician Assistant (must be completed and documented to the program either via email if the CASPA application has been submitted or on the CASPA application by September 1.) (Applicants who shadow more than 24 hours with multiple Physician Assistants will receive more points in the application process). Hours working as a scribe do not count for PA shadowing. (Applicants who have hands on patient care and not just shadowing will be given more points in the application process). The program does not find or suggest sites for applicants to complete the shadowing requirement
- Ability to perform Technical Standards for Physician Assistants
- Reference letters: (two must be professional and/or academic and one must be from a MD, DO, PA, or NP who has worked with the applicant in a health care setting while interacting with patients)

Science Prerequisites (See <https://www.cuw.edu/programs/physicianassistant/entrance.html> for additional details)

- General Chemistry- Two semesters of sequenced courses with labs
- Organic Chemistry- One semester with lab
- Biochemistry- One semester with or without lab
- Microbiology- One semester with lab
- Human Anatomy with lab and Physiology- Two semesters offered through a Biology, Anatomy or Physiology department. Can be either separate Anatomy (with lab) and Physiology courses OR combined A&P I and II courses including labs * Anatomy must be with lab and done on-campus, not online
- Two semesters of Biology with lab (excluding the listed prerequisite science courses mentioned even at higher levels)
- Genetics required with or without a lab

Other prerequisites:

- Psychology- One semester
- Statistics- One semester
- College algebra or higher- One semester
- Medical Terminology- One semester*

*Anatomy and Physiology must be taken within five years of applying to the program.

*Medical Terminology is recommended within five years of applying to the program.

A felony conviction may affect a graduate's ability to attain state licensure.

At this time we are unable to enroll F-1 international students in the Physician Assistant Program.

Questions about specific prerequisites courses should be directed to the Graduate Admission Office.

SCHOOL OF HEALTH PROFESSIONS

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 cycle beginning in April before their senior year.

The Physician Assistant Studies Program at Concordia University Wisconsin participates in the Centralized Application Service for Physician Assistants (CASPA). Applicants for the Master of Science in Physician Assistant Studies program should apply online using the CASPA application. To learn more about the CASPA Application process, visit the CASPA website at <https://portal.caspaonline.org/>.

MISSION STATEMENT

The Physician Assistant program at CUW prepares students to become competent physician assistants who provide high 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, preventive medicine, and health literacy,
- 2) prepare physician assistants to work with diverse, medically underserved populations,
- 3) instill the importance of professionalism,
- 4) provide an interprofessional education in order to work effectively as a health care team member.

ACCREDITATION

The Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) has granted Accreditation-Continued status to the Concordia University Wisconsin Physician Assistant Program sponsored by Concordia University Wisconsin. Accreditation-Continued is an accreditation status granted when a currently accredited program is in compliance with the ARC-PA Standards.

Accreditation remains in effect until the program closes or withdraws from the accreditation process or until accreditation is withdrawn for failure to comply with the Standards. The approximate date for the next validation review of the program by the ARC-PA will be September 2026. The review date is contingent upon continued compliance with the Accreditation Standards and ARC-PA policy.

Information on accreditation is available at www.arc-pa.org or at: Accreditation review commission on Education for the Physician Assistant, Inc., 12000 Findley Road, Suite 150, Johns Creek, GA 30097, (770) 476-1224.

The Physician Assistant Studies Program grants the Master of Science in Physician Assistant Studies 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.

PROFESSIONAL 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.

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.

RADIOLOGIC TECHNOLOGY MAJOR

CORE CURRICULUM:	48 credits
MAJOR:	62-75.5 credits
ADDITIONAL REQUIREMENTS:	<u>19 credits</u>
TOTAL:	129-142.5 Total credits

Common Core - 15 credits (Take these particular courses.)

Bible Content: REL 100 – 3 crs.

Christian Doctrine: REL 110 – 3 crs.

History: HIST 103 Civilizations &

Worldviews: History – 3 crs.

Literature: ENG 103 Civilizations & Worldviews:

Literature – 3 crs.

Writing: ENG 104 Introduction to Writing – 3 crs.

Narrative Core - 12 credits (take a class in each category that satisfies a particular competency.)

Citizenship: (Political Science, Economics, etc) – 3 crs.

Communications (*COMM 105 Public

Speaking) – 3 crs.

Culture – 3 crs.

Philosophical Foundations (Ethics, Philosophy) – 3 crs.

Distributive Core - 21 credits (Take a class in each category of interest and program requirements.)

Creative Arts – 3 crs.

Language – 3 crs.

Mathematics: *MATH 128 (College Algebra) – 3 crs.

Physical Development: HHP 100 Introduction to

Lifetime Fitness – 1 cr.

Physical Development Activity Course -

HHP Activity – 1 cr.

Science with Lab: *BIO 141 (or BIO 151)

General Biology I w/Lab – 4 crs.

Social Science: *PSY 101 – 3 crs.

Theology Elective – 3 crs.

Additional Required Course for Major:

*Anatomy & Physiology I: BIO 191 – 4 crs.

*Biology II: BIO 142 (or BIO 152) – 4 crs.

*Anatomy & Physiology II: BIO 192 – 4 crs.

*Medical Terminology: RSC 106 – 1 cr.

*Sociology 101 – 3 crs.

*CSC 150 Foundations of computer science – 3 crs.

*Required courses for the RT program

- Cumulative 3.0 GPA required to progress to clinicals
Clinical applications will not be accepted if a student does not have a 2.75 GPA at time of submission
- Preference for students with a 3.0 GPA (B grade) in science courses; no grade below a C accepted
- Shadowing of an RT required (minimum 4 hours)
- Math, Medical Terminology and A&P I need to be completed by the end of the 3rd semester

Bachelor of Science in Rehabilitation Science (BSRS)

OVERVIEW

Concordia University Wisconsin offers a combined Bachelor of Science in Rehabilitation Science (BSRS) and Accelerated Master of Occupational Therapy (AMOT) 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 Rehabilitation 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 Accelerated Master of Occupational Therapy (AMOT).

Students who graduate with a BS in Rehabilitation Science have an opportunity to explore a wide range of employment opportunities if they choose not to pursue the AMOT 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, assisted 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 winterim and two summer online courses and can complete their undergraduate degree in 3 ½ years.

BSRS students who choose to pursue a career in Occupational Therapy can apply to the Accelerated Master of Occupational Therapy program. Accepted students begin in graduate level courses during their junior year and can complete the BSRS degree in 3 years, and the AMOT degree with 1½ additional years. Please refer to graduate catalog for detailed information about the AMOT 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 AMOT program during the fall of their sophomore year. A student accepted into the AMOT track will begin taking graduate courses toward a degree in Occupational Therapy the summer after their sophomore year. First time freshman must have a high school GPA of 3.2 and an ACT score of 21. Those who apply and submit the tuition deposit prior to December 1st during their senior year in high school will be reviewed and ranked according to GPA and ACT scores. The top 30 applicants will be guaranteed admission to the AMOT Program after their second year at CUW as long as they maintain a 3.0 GPA and receive at least a "B" grade in the anatomy and physiology courses.

Students transferring into Concordia's BSRS program with an undergraduate degree will not be guaranteed placement into the AMOT program. Transfer students must complete at least 36 BSRS credits at Concordia to be given priority in the AMOT admission process. These credits must include the following courses taken at Concordia:

- BIO 191 Anatomy and Physiology I
- BIO 192 Anatomy and Physiology II
- BIO 301 Advanced Functional Anatomy and Physiology

Priority admission to the AMOT phase will be granted in the following order:

1. The top 30 students ranked by GPA and ACT scores with a minimum GPA of 3.2 and ACT score of 21 who applied and submitted their tuition deposit prior to December 1st during their junior year in high school.
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 BIO 191, BIO 192 and 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 BIO 191, BIO 192 and BIO 301
4. Students from outside CUW

If multiple students fall within the same priority level, the MOT Admissions Committee will make acceptance decisions.

BSRS CURRICULUM

COMMON CORE (15 credits)

Bible Content	REL 100	The Bible	3 crs.
Christian Doctrine	REL 110	Christian Faith	3 crs.
History	HIST 103	Civilizations & 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 285	American Politics & Health Care Policy*	3 crs.
Communication	COMM 201	Interpersonal Communication*	3 crs.
Culture	COMM 460	Cross Cultural Communication*	3 crs.
Philosophy	PHIL	Elective	3 crs.

ELECTIVE CORE (21 credits)

Creative Arts		Elective	3 crs.
Foreign Language		Elective	3 crs.
Mathematics	MATH 205	Statistics I*	3 crs.
Physical Development	HHP 100	Introduction to Lifetime Wellness	1 cr.
Physical Development	HHP	Activity Course Elective	1 cr.
Science with a lab	BIO 191	Anatomy and Physiology I (required)	4 crs.
Social Science	PSYCH 101	Introduction to Psychology*	3 crs.
Theology	REL	Religion Course above REL 204	3 crs.

*Recommended for best fit within the Rehabilitation Science degree

BSRS MAJOR COURSES

BIO 192	Anatomy and Physiology II	4 crs.
RSC 106	Medical Terminology	1 cr.
BIO 301	Advanced Functional Anatomy and Physiology	4 crs.
PSY 230	Life Span Development	3 crs.
RSC 310	Culture and Rehabilitation	3 crs.
SOC 392	Aging and the Social Environment	3 crs.
HHP 375	Biomechanics	3 crs.
RSC 201	Medical Ethics in Rehabilitation Science (summer online)**	3 crs.
RSC 304	Teaching and Learning in Rehabilitation (summer online)**	3 crs.

**The summer online courses must be taken during the summer between freshman and sophomore year. The cost is an extra expense. It is not included in Fall/Spring tuition.

REHABILITATION SCIENCE MAJOR COMPLETION COURSEWORK

(for students completing the BSRS major ONLY and not going into the AMOT Program)

HHP 371	Exercise Physiology (Fall Only)	3 credits
BIO 285	Pathophysiology (Spring Only)	3 credits
MGMT 130	Principles of Management	3 credits
ED 230	Nature of the Exceptional Child	3 credits
HHP 412	Adapted Physical Education (every other Fall)	3 credits
	BCOM/COMM 300 Group Dynamics	3 credits
	HHP 265 Healthy Lifestyles (Fall Only)	3 credits
	Elective course in an area of interest	3 credits

27 credits of Electives in areas of your choice are needed to complete your Bachelor's Degree. Students may take courses to fulfill a minor. Courses must be approved by Advisor.

If you are planning to apply to MOT programs outside of CUW, the following courses are strongly recommended to take as part of your Elective credits:

PSY 310 - Theories of Personality (pre-req for PSY 425) (Fall Only)	3 credits
PSY 425 - Abnormal Psychology (Spring Only)	3 credits

AMOT PROGRAM

YEAR 3:

SUMMER SEMESTER (9 required credits)

BIO 550 Human Anatomy W/Lab	6 credits
OT 640 Clinical Implications	<u>3 credits</u>
	9 credits

(Note: Summer and Winterim courses in MOT Program may have some online instruction, but all courses contain a face-to-face requirement.)

FALL SEMESTER (18 required credits)

BIO 585 Neuroscience	5 credits
OT 523 Clinical Kinesiology	3 credits
OT 548 Group Skills	3 credits
OT 546 Clinical Practicum - Group	1 credit
OT 540 Scientific Inquiry I	3 credits
OT 521 Foundational Concepts in OT	3 credits
Interprofessional Education Meetings <u>NC</u>	
	18 credits

WINTERIM (3 required credits)

OT 864 Health & Wellness Promotion for OT	2 credits
OT 866 Psychosocial Aspects of Wellness Practicum	<u>1 credit</u>
	3 credits

SPRING SEMESTER (15 required credits)

OT 525 Therapeutic Skills	3 credits
OT 586 Rehabilitation Science - Ortho	3 credits
OT 569 Scientific Inquiry II	3 credits
OT 571 Work Practice I	3 credits
OT 529 Assessment Skills	3 credits
Interprofessional Education Meetings <u>NC</u>	
	15 credits

YEAR 4:

SUMMER (5 required credits)

OT 580 Pediatric Practice I	4 credits
OT 573 Clinical Practicum - Pediatrics	<u>1 credit</u>
	5 credits

Completion of the BSRS degree at the end of the summer session.

FALL SEMESTER (14 required credits; 1 elective required)

OT 561 Rehabilitation Science - Neurology	3 credits
OT 584 Clinical Practicum - Adult	2 credits
OT 582 Scientific Inquiry III	3 credits
OT 603 Practice Management	3 credits
OT 613 Work Practice II (elective)	3 credits
OT 596 Pediatric Practice II (elective)	3 credits
OT 630 Hand & Upper Extremity Rehab (elective)	3 credits
Interprofessional Education Meetings <u>NC</u>	
	14-20 credits

WINTERIM (3 required credits)

OT 645 Gerontology and AT Concepts to Promote Occupational Performance	3 credits
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SPRING SEMESTER (18 required credits)

OT 565 Psychosocial Practice	3 credits
OT 590 Rehabilitation Science - Integrated	3 credits
OT 601 Advanced Clinical Practice	3 credits
OT 603 Community Practice	3 credits
OT 595 OT Community Clinic	3 credits
OT 575 Fieldwork Seminar	NC pass/fail
OT 562 Rehabilitation Science - Neuro II	3 credits
Interprofessional Education Meetings <u>NC</u>	
	18 credits

FINAL SIX MONTHS:

SUMMER (6 required credits Level II FW)

First Level II Fieldwork Service (3 months)	6 credits
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FALL SEMESTER (6 required credits Level II FW)

Second Level II Fieldwork Service (3 months)	6 credits
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Minimum Credits for Program 97

Bachelor of Science in Rehabilitation Science (DPT Track)

PRIORITY ADMISSION FOR CONCORDIA UNDERGRADUATE STUDENTS

Concordia University offers priority admission process for undergraduate students who attend Concordia University.

Concordia offers priority admission to the Doctor of Physical Therapy program to students who:

- are current, full time student at CUW and CUAA who will graduate with a bachelor's degree from CUW or CUAA,
- 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,
- have all their science prerequisite course work completed at CUW or CUAA
- submit all application materials by the PTCAS Early Decision deadline, and
- successfully complete a personal interview.
- must complete 40 hours of observation of a diversity of physical therapy practice settings

All prerequisite science courses must be completed at CUW/CUAA, and cannot have been previously completed at another institution. If a CUW/CUAA prerequisite science course is repeated, the first, original grade will be considered when determining whether or not the student is eligible for priority admission. Accelerated admission applicants are not required to take the GRE. All other applicants (including priority) must take the GRE.

SUGGESTED COURSE SCHEDULE FOR BSRS ACCELERATED DPT TRACK

ACADEMIC YEAR 1:**FALL SEMESTER (15 crs.)**

BIO 181 Anatomy and Physiology I	4 crs.
PHYS 151 Physics I	4 crs.
HHP Activity Course Elective or Sport	1 cr.
ENG 104 Introduction to Writing	3 crs.
PSYCH 101 Introduction to Psychology	3 crs.

WINTERIM

REL 100 The Bible	3 crs.
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ACADEMIC YEAR 2:**FALL SEMESTER (15 crs.)**

CHEM 141 General Chemistry I	4 crs.
HHP 100 Intro to Lifetime Wellness	1 cr.
ENG 103 Civilizations & Worldviews: Lit	3 crs.
EXPH 470 Ex Physiology I	4 crs.
MATH 205 Statistics I	3 crs.

WINTERIM

PHIL 350 Bioethics	3 crs.
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ACADEMIC YEAR 3:**FALL SEMESTER (16 crs.)**

COMM 460 Cross Cultural Comm	3 crs.
SOC 392 Sociology of Aging	3 crs.
Creative Arts Elective	3 crs.
EXPH 442 Ex Testing and PX	4 crs.
EXPH 480 Strength and Conditioning	3 crs.

WINTERIM

Ootion to take core course

Enter Professional DPT program ACADEMIC YEAR 4:**SUMMER/FALL**

DPT Phase 48 credit hours by end of Academic Year 4

SPRING SEMESTER (15 crs.)

BIO 182 Anatomy and Physiology II	4 crs.
PHYS 152 Physics II	4 crs.
REL 110 Christian Faith	3 crs.
Language Elective	3 crs.
RSC 106 Medical Terminology	1 cr.

SUMMER

RSC 201 Medical Ethics in Rehab	3 crs.
<i>*RSC 201 is an online course</i>	

SPRING SEMESTER (16 crs.)

CHEM 142 Chemistry II	4 crs.
PSYCH 230 Life Span Development	3 crs.
COMM 201 Interpersonal Communication	3 crs.
REL Theology Elective	3 crs.
HIST 103 Civilizations and Worldviews	3 crs.

SUMMER

RSC 304 Teaching & Learning in Rehab	3 crs.
<i>*RSC 304 is an online course</i>	

SPRING SEMESTER (14 crs.)

RSC 310 Culture and Rehab	3 crs.
BIO 301 Advanced Functional Anatomy	4 crs.
EXPH 471 Adv Exercise Physiology	4 crs.
POLS 285 American Politics & HCP	3 crs.

SPRING

Recieve BSRS at Spring Graduation
By end of Academic Year 4 will complete 151 hours

Social Work

Bachelor degreed social workers (BSW) develop skills to help people navigate complex systems. They provide a wide variety of diverse services at all levels of society. BSWs work with individuals, children, families, and communities. They are often employed by local and community agencies. Social workers advocate for change and support the need for social and economic justice. Social workers practice within the guidelines of a code of ethics sponsored by the National Association of Social Workers (NASW). Students complete a two semester field education internship supervised by credentialed MSWs. Field education is known as Signature Pedagogy. This highly structured and supervised internship provides BSW graduates with experience upon graduation, enhancing employment opportunities. Entry level licensure is available for BSW graduates in most states. Social work is a profession with many possibilities and one of the fastest growing professions in the country. More information about social work as a career can be found on the website for the National Association for Social Workers, www.socialworkers.org. The CUW BSW program is accredited by the Council on Social Work Education.

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.

CUW embraces the importance of faith in practice. The program emphasizes how social work practitioners can integrate faith in practice, and Christianity in social work practice is integrated across the curriculum. The mission inspires students to examine their personal values and beliefs. The program supports service to others and encourages students to advocate for social and economic justice. The program encourages graduates to provide service to those who may be marginalized by society. Students complete 20 hours of service learning during the freshman and sophomore years, preparing them for upper division classes and the integration of the knowledge base of the profession. The curriculum provides students with an understanding of theoretical concepts and a broad knowledge base from which to practice. The program teaches Generalist Practice along with the necessary skills and methods for entry level practice at all levels. The program embraces Problem-Solving, Ecological Theory, and the Strengths Perspective.

The program resides in the School of Health Professions (SHP). BSW students participate in Inter-Professional Education (IPE) activities with other SHP departments. As an added value, upon graduation student transcripts will indicate the student is IPE trained. BSW students are also eligible to seek an IPE Training Certificate.

BSW students are encouraged to participate in international mission trips with other SHP programs. Regular health centered mission trips through SHP provide social work practice experience on an international level. Mission trips are regularly scheduled for Nepal, Niagara, and Guatemala.

Bachelor degreed social workers are educated in Generalist Practice, providing them with the knowledge base upon which social work practice is built. Those earning a BSW from a CSWE accredited program are eligible to request advanced standing when applying for the MSW graduate program at CUW, and other MSW programs. At CUW, advanced standing reduces the number of credits for the MSW program by 27 credits. If accepted into the MSW program at CUW, a BSW graduate from can earn a BSW and an MSW in 5 years.

SOCIAL WORK PROGRAM GOALS

The goals of the CUW Social Work Program are to:

1. Prepare students for professional generalist practice.
2. Prepare students who have developed the behaviors associated with the nine (9) competencies established by CSWE.
3. Encourage students to draw on the foundations of Christianity in faith, service, and social justice, and to provide leadership in the provision of service and solidarity for all persons, especially marginalized or oppressed groups.
4. Develop students with strong practice skills built on the knowledge base of the profession.
5. Support students in their understanding of and ability to apply the NASW Code of Ethics when practicing, and in their understanding of the relationship between the code of ethics and Christianity.
6. Prepare students who can apply research and/or evidence-based practice in practice settings, and in evaluating the effectiveness of practice and programs.

SOCIAL WORK PROGRAM CORE COMPETENCIES

- Demonstrate Ethical & Professional Behavior.
- Engage Diversity and Difference in Practice.
- Advance Human Rights and Social, Economic, and Environmental Justice.
- Engage in Practice-informed Research and Research-informed Practice.
- Engage in Policy Practice.
- Engage with Individuals, Families, Groups, Organizations, and Communities.

- Assess Individuals, Families, Groups, Organizations, and Communities.
- Intervene with Individuals, Families, Groups, Organizations and Communities.
- Evaluate Practice 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 Chair 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 225 (Social Work & Social Welfare) and SW 235 (Introduction to Child 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. Students must receive at least a "C" in all social work courses in order to continue in the social work program. A student may repeat a course one time in an effort to improve their grade.

The process for admission to Upper Division Status for the Social Work Major is to:

- Complete SW 225 (Social Work & Social Welfare) and SW 235 (Introduction to Child Welfare).
- Complete MATH 205 (Statistics).
- Have a minimum cumulative grade point average of 2.5 GPA 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 Chair 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 or received approval from the Director of the Social Work Program.. 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 2.5 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 first semester of their junior year.

SOCIAL WORK PROGRAM CURRICULUM

The Social Science Minor is recommended for Social Work Majors; however, many other options are available including, but not limited to, psychology, lay ministry, Spanish, music, business, education and political science. See School of Arts and Sciences

Required Core Courses

Students in this program must take MATH 205, Statistics.

Curriculum: Total 45 Credits

The Social Work Major

SW 225 Social Work and Social Welfare – 3 crs.
 SW 235 Introduction to Child 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 – 3 crs.
 SW 427 Field Education II – 3 crs.
 SW 328 Field Seminar I – 3 crs.
 SW 428 Field Seminar II – 3 crs.
 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 Science Minor for Social Work Majors (27 Credits, 9 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.

Electives: Depending on the minor/double major, Social Work majors select elective credits directed towards their interests and bring their total credits to at least 126.

SOCIAL WORK/PSYCHOLOGY DOUBLE MAJOR

Social Workers who plan for a double major should meet with their social work advisor. Without proper planning, a double major can lengthen the time it takes to complete a double major by 1 - 2 semesters.

- If prerequisites are met, students may take PSY 310, PSY 315 and/or SW 306 during their sophomore year.
Students must be on track to complete the core by the end of their sophomore year.
- SW 327 & 328 replace PSY 450
- Two PSY 300/400 level electives are needed

Semester I

Year 1

PSY 101 General Psychology - 3 crs.
SW 225 Social Work and Social Welfare - 3 crs.

Year 2

PSY 205 Theories of Learning - 3 crs.
PSY 201 Interpersonal Communication - 3 crs.
MATH 205 Statistics - 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 - 3 crs.
SW 328 Field Seminar I - 3 crs.
SW 436 Skills & Methods of SW Practice III - 3 crs.
PSY 485 Research Proposal - 1 cr.

Required Core Courses 10 credits

Social Work Major 45 credits
Psychology Major 34 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.

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.

Semester II

Year 1

Developmental Course (PSY 221, 222, 223, 230) - 3 crs.
COMM 105 Public Speaking - 3 crs.

Year 2

SW 235 Introduction to Child Welfare - 3 crs.

Year 3

SW 410 Social Work Research Methods II - 3 crs.
SW 426 Skills & Methods of SW Practice II - 3 crs.
SW 347 Human Behavior/Social Environment II - 3 crs.
SW 306 Social Welfare Policy & Programs - 3 crs.
PSY 425 Abnormal Psychology - 3 crs.
PSY 350 Research Methods - 3 crs.

Year 4

SW 427 Field Education II - 3 crs.
SW 428 Field Seminar II - 3 crs.
SW 490 Senior Integrative Seminar - 3 crs.
PSY 490 Senior Project/Seminar - 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.

School of Nursing

The School of Nursing houses the following undergraduate and graduate professional programs: Traditional Undergraduate Bachelor of Science (BSN), Bachelor of Science Completion for RNs (BSN), RN to BSN to MSN (G), Master of Science (Nurse Practitioner, NP, and Nurse Educator, NE) (G), Certificate After Graduate Education in Nursing (CAGE), Doctorate of Nursing Practice (DNP), and Parish Nursing (Certificate).

The curriculum in nursing prepares students for beginning practice in professional nursing. The nursing curriculum is built around the core curriculum and collateral courses, which facilitate the development of a professional nurse. The nursing major requires successful completion of all 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.

Nursing Program – Bachelor of Science in Nursing (BSN)

The purpose of the Traditional Undergraduate Nursing program is to equip graduates with the professional leadership skills, expertise, caring and knowledge they need 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.

All levels of the nursing programs were accredited by the Commission on Collegiate Nursing Education in 2014 for another 10 years.

Concordia University has offered a baccalaureate degree in nursing since 1982. In May of 1991, Concordia graduated its first group of students in the BSN Completion track for RNs. In the spring of 1998, the first MSN class graduated.

The first DNP cohort graduated in December 2010.

HIGHLIGHTS

- Clinical practicums begin the second semester of the sophomore year.
- Cross-cultural and global health experiences are offered to several local, national and international destinations.
- Individualized attention, guidance, faculty tutoring sessions, and additional tutoring through the Learning Resource Center facilitate student success.
- Nursing instructors possess strong clinical background and academic preparedness in nursing education.
- Multi-bed high fidelity simulation lab and hands-on skills lab give students the opportunity to practice their skills in a safe environment.
- NCLEX pass rates are above the national average.
- Commission on Collegiate Nursing Education (CCNE) accredited through 2024.
- Active Student Nurses Association.
- Sigma Theta Tau International Honor Society.
- Financial Assistance and Scholarships are available.
- Workshops in Nursing Student Success (WINSS) are free and open to all pre-nursing and nursing students.

CORE CURRICULUM 48 crs.

Certain courses are prescribed for nursing students in meeting core curriculum requirements including: Introduction to Writing, Bible Content, Christian Doctrine, Civilization and World Views: History, Civilization and World Views: Literature, Interpersonal Communication, Citizenship, Philosophical Foundations, College Algebra, Creative Arts, Language, Physical Education, Chemistry, General Psychology, Christian Ethics.

MAJOR 61 crs.

NURS 202 Gerontological Nursing - 3 crs.

NURS 203 Professional Core Foundations - 3 crs.

NURS 212 Gerontological Nursing Practicum - 2 crs.

NURS 213 Foundational Nursing Skills 1 - 1 cr.

NURS 222 Nursing Pathophysiology - 3 crs.

NURS 232 Wellness Assessment - 3 crs.

NURS 250 Nursing Pharmacology 1 - 2 crs.

NURS 255 Nursing Pharmacology 2 - 2 crs.

NURS 303 Psychological Wellness - 3 crs.

NURS 313 Foundational Nursing Skills Practicum 1 - 1 cr.

NURS 315 Psychological Wellness Practicum - 1 cr.

NURS 316 Alterations in Adult Health 1 - 3 cr.

NURS 317 Alterations in Adult Health 1 Practicum - 2 crs.

NURS 335 Nursing Research - 3 crs.

NURS 340 Community Wellness - 3 crs.

NURS 341 Community Wellness Practicum - 1 cr.

NURS 344 Alterations in Adult Health 2 - 3 crs.

NURS 347 Alterations in Adult Health 2 Practicum - 2 crs.
 NURS 403 Alterations in Adult Health 3 - 4 crs.
 NURS 404 Alterations in Adult Health Practicum - 2.5 crs.
 NURS 422 Family-Centered Nursing: Pediatrics - 3 crs.
 NURS 423 Family-Centered Nursing: Pediatrics Practicum - 1 cr.
 NURS 425 Family-Centered Nursing: Obstetrics & Women's Health - 3 crs.
 NURS 426 Family-Centered Nursing: Obstetrics & Women's Health Practicum - 1 cr.

NURS 440 Leadership & Management in an Evolving Healthcare System - 3 crs.
 NURS 441 Leadership & Management in an Evolving Healthcare System Practicum - 2.5 crs.
 NURS 451 Global Education (Costa Rica) OR NURS 452 (Mexico) OR NURS 460 (Cultural Diversity) - 3 crs.

COLLATERAL COURSES 15 crs.

Human Anatomy and Physiology I & II with Lab - 8 crs.
 Microbiology with Lab - 4 crs.
 Life Span Development - 3 crs.

ELECTIVES NURS 477 Introduction to Integrative & Complementary Therapies (optional)
 NURS 494 Introduction to Basic EKG (optional)

ADMISSION AND PROGRESSION REQUIREMENTS

Traditional Freshman Students

- Minimum Cumulative GPA ≥ 2.75
- Minimum Science GPA ≥ 2.75 with $\geq C$ in the following courses:
 - Anatomy & Physiology I
 - Anatomy & Physiology II
 - Chemistry
 - Microbiology
- $\geq C$ in College Algebra or higher math class, or waiver with an AP score of 4 or 5 on the AP Calculus Exam, or CLEP credits for College Algebra
- English as Second Language, Language test score:
 - TOEFL > 75 OR
 - IELTS > 6.0
- American Heart Association CPR (BLS) and Certified Nursing Assistant (CNA) certified upon entry to sophomore year
- Adherence to all components of the Clinical Requirements Timeline found in the Traditional Undergraduate Program Clinical Resource Guide.

- Adherence to all components of the Clinical Requirements Timeline found in the Traditional Undergraduate Program Clinical Resource Guide.

Freshmen who meet the requirements outlined above will be eligible to progress to the sophomore year. Transfer students should contact the Admissions transfer counselor for information about Concordia's application process and timeline.

Sophomore, junior and senior students must maintain a minimum cumulative GPA of ≥ 2.75 and a minimum of $\geq C$ in all nursing courses (courses with a NURS prefix), including a passing grade in all clinical and/or lab portions of the course. Further information is available in the Bachelor of Science Traditional Undergraduate Nursing Student Handbook.

CLINICAL REQUIREMENTS

Prior to the first semester of sophomore classes, students must pay for and set up accounts through CastleBranch.com as described in the **Traditional Undergraduate Program Clinical Resource Guide**. They will be required to undergo a background check, submit School of Nursing forms, verification of immunizations, proof of CPR and CNA certification, and have a urine drug screen prior to their first clinical practicum, per the Clinical Resource Guide schedule. This timeline will be emailed to pre-nursing students and be available on the Traditional Undergraduate Nursing Information Page (TURNIP) on Blackboard.

Transfer Students

- Transcript review
- Letter of Good Standing from most recent college attended
- Minimum Cumulative GPA ≥ 3.0
- Minimum Science GPA ≥ 2.75
- English as Second Language, Language test score:
 - TOEFL > 75 OR
 - IELTS > 6.0
- All Science/College Algebra classes $\geq C$
- Applications must be submitted to the admissions office by July 15 for fall semester or December 15 for spring semester
- Applications will be reviewed and prioritized by the School of Nursing
- The number of students accepted will be dependent upon available clinical spots
- American Heart Association CPR(BLS) and Certified Nursing Assistant (CNA) certified upon entry to sophomore year

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 BSN Completion Program a flexible means of furthering their nursing education. Completion program candidates can obtain their BSN degree in as little as 18 months. Up to 85 credits may be accepted in transfer from previous education, with submission of official transcripts. Concordia University's BSN Completion Program is accredited by the Commission on Collegiate Nursing Education. All students holding an accredited Associate Degree will be granted Advanced Transfer status.

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 crs. (Must be taken for residency)
Ethics - 3 credits
Humanities
Social Science

Natural Science - 6 crs.
Communications
Mathematics

NURSING MAJOR 63 crs.

Many nursing courses may be accepted as transfer credits from accredited associate or diploma nursing programs. All BSN Completion students must take the following courses: NURS 301, 305, 336, 342, 442, 492.

NURS 202 Gerontological Nursing - 3 crs.	NURS 400 Medical-Surgical Nursing III - 3 crs.
NURS 203 Professional Core Foundations - 3 crs.	NURS 401 Medical-Surgical Nursing III Practicum - 2.5 crs.
NURS 212 Gerontological Nursing Practicum - 2 crs.	NURS 410 Medical-Surgical Nursing IV - 3 crs.
NURS 213 Foundational Nursing Skills I - 1 cr.	NURS 422 Family Centered Nursing: Pediatrics - 3 crs.
NURS 222 Nursing Pathophysiology - 3 crs.	NURS 423 Family Centered Nursing: Pediatrics Practicum - 1 cr.
NURS 232 Wellness Assessment - 3 crs.	NURS 425 Family Centered Nursing: Obstetrics & Women's Health - 3 crs.
NURS 250 Nursing Pharmacology I - 2 crs.	NURS 426 Family Centered Nursing: Obstetrics & Women's Health Practicum - 1 cr.
NURS 255 Nursing Pharmacology II - 2 crs.	NURS 440 Leadership & Management: In an Evolving Healthcare System - 3 crs.
NURS 303 Psychological Wellness - 3 crs.	NURS 441 Leadership & Management Practicum: In an Evolving Healthcare System - 2.5 crs.
NURS 310 Medical-Surgical Nursing I - 3 crs.	NURS 451 Global Education (Costa Rica) OR
NURS 311 Medical-Surgical Nursing I Practicum - 2 crs.	NURS 452 (Mexico) OR
NURS 313 Foundational Nursing Skills Practicum I - 1 cr.	NURS 460 (Cultural Diversity) - 3 crs.
NURS 315 Psychological Wellness 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.	

ELECTIVES: Sufficient number to meet 121 credit minimum for baccalaureate degree requirements.

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 and analysis; merchandising; internal controls; cash; receivable; and long-lived assets. Prerequisite: **Sophomore standing, except Accounting Majors. 3 credits. Offered online only.

ACCT 202 ACCOUNTING PRINCIPLES II (formerly ACCT 102) is a continuation of ACCT 201 (Accounting Principles I. Topics of corporate operations are covered including capital stock and dividend transactions; stockholder's 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. Offered online only.

ACCT 203 FINANCIAL ACCOUNTING emphasis is placed on the process of identifying, measuring, recording, and communicating the economic events of a business. Areas of coverage include ethics; the accounting cycle (manual and computerized); financial statements presentation & analysis; merchandising; internal controls; cash; receivables; long-lived assets; capital stock and dividend transactions; stockholders equity; and bond financing.. Prerequisite: Sophomore standing, except Accounting Majors. 3 credits.

ACCT 223 MANAGERIAL ACCOUNTING covers financial statement analysis, 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 203 (or by permission of the instructor); sophomore standing except Accounting Majors. 3 credits.

ACCT 276 FRAUD MANAGEMENT is designed to provide students with a basic understanding of the principles of occupational fraud, emphasizing circumstances with which any management team may ultimately be confronted. The course covers fraud in the areas of skimming, cash larceny, check fraud, register schemes, and misappropriation of cash and assets. A brief overview of corruption and interviewing of employees when a fraud is suspected are also included. 3 credits. Offered online only.

ACCT 310 INTERMEDIATE ACCOUNTING I builds on the accounting foundation established in Financial Accounting. The course provides an in-depth study of the conceptual and technical issues surrounding the recording and reporting standards set forth by Generally Accepted Accounting Principles (GAAP) in the U.S. and compares and contrasts them to international accounting standards. Research via the Financial Accounting Standards Board (FASB) codification research system is introduced. Topics include: accounting theory; the accounting cycle; ethics; the financial statements and footnote disclosures; cash receivables; inventory; long-lived assets; and current liabilities. Prerequisite: A grade of B or better in ACCT 203 and 223. 3 credits. Offered Fall Semester only.

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: A grade of C or better in ACCT 310. 3 credits. Offered Spring semester only.

ACCT323 COST ACCOUNTING emphasizes cost management with a strategic focus. Topics include job and process costing; activity-based costing; budgeting; cost estimation; variance analysis; strategic performance measurement; quality control and pricing. Prerequisite: A grade of B or better in ACCT223. 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: A grade of C or better in ACCT 311. 3 credits. Offered Fall semester only.

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: A grade of C or better in ACCT 311. 3 credits. Offered Fall semester only

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: A grade of C or better in ACCT 350. 3 credits. Offered Spring semester only.

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: A grade of C or better in ACCT 311. 3 credits. Offered Spring semester only.

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: A grade of C or better in ACCT 420. 3 credits. Scheduled based on student interest.

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. Prerequisite: A grade of C or better in ACCT 311. 3 credits. Offered Fall semester only.

ACCT 441 MERGERS AND ACQUISITIONS covers business case and accounting for mergers and acquisitions, and advanced accounting issues including consolidations, equity accounting, variable interest entities, and translation of foreign currency financial statements. Prerequisite: A grade of C or better in ACCT 311. 3 credits. Offered in Fall semester only.

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. Prerequisite: A grade of C or better in ACCT 311. 3 credits. Scheduled based on student interest.

** For students who entered prior to the 2014-15 academic year.

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. 3 credits.

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 blackout 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

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.

ATHLETIC TRAINING

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 191/192. 4 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.

MSAT 115 MEDICAL TERMINOLOGY FOR THE HEALTH PROFESSIONS is designed for students interested in Athletic Training. This course will focus on medical terms, definitions, and abbreviations commonly associated with anatomy and the Health Professions. Basic medical terminology, health and disease, and diagnostic procedures will be covered. In addition, the following human body systems will be introduced: skeletal, muscular, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, nervous, special senses, integumentary, endocrine, and reproductive. 1 credit.

MSAT 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 HHP 105 or consent of instructor. 2 credits.

MSAT 163 FRESHMAN FAST-TRACK I will allow each student the opportunity to practice athletic training and basic psychomotor skills (hands-on). 1 credit.

MSAT 164 FRESHMAN FAST-TRACK II will allow each student the opportunity to practice athletic training and basic psychomotor skills (hands-on). 1 credit.

MSAT 172 ATHLETIC TRAINING FOUNDATIONS is designed to introduce the student to the field of athletic training, the basic elements of athletic training patient care, and the Athletic Training Program at Concordia University Wisconsin. This will be accomplished by exposing the student to the foundational behaviors of professional practice, clinical examination and diagnosis skills, cultural competence, communication skills, healthcare administration, policies and procedures, and clinical placement expectations. 3 credits.

MSAT 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.

MSAT 272/273 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.

MSAT 289 ATHLETIC TRAINING SEMINAR is designed to have Athletic Training Students from years three and four 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 four semesters, beginning with the third semester in the Athletic Training Program. 1 credit.

MSAT 291 ATHLETIC TRAINING PRACTICUM I is designed to formally structure clinical experience specific to the third semester of enrollment in the Athletic Training 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: MSAT 272/273. 3 credits.

MSAT 292 ATHLETIC TRAINING PRACTICUM II is designed to formally structure clinical experience specific to the fourth semester of enrollment in the Athletic Training 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: MSAT 291. 3 credits.

MSAT 301 REHABILITATION TECHNIQUES OF ATHLETIC INJURIES involves the study, methods, and application of rehabilitation techniques as they relate to athletic injuries. Prerequisites: MSAT 272/273. 3 credits.

MSAT 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 191/192, MSAT 272/273. 3 credits.

MSAT 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: MSAT 272/273. 3 credits.

MSAT 330 MANUAL MUSCLE TESTING introduces the various positions and techniques of manual muscle testing. Prerequisites: BIO 191/192, MSA T 272/273. 2 credits.

MSAT 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: BIO I 91/192, MSA T 272/273. 2 credits.

MSAT 350 APPLIED BIOMECHANICS AND ARTHROKINEMATICS is designed to teach and clinically apply mechanical principles that relate to the structure and function of living organisms. Application of human movement as it relates to kinematics, kinetics, functional assessment, motion analysis, structural biomechanics, and properties of human tissues will be examined. Prerequisites: BIO 191/192, MSAT 272/273. 3 credits.

MSAT 372 RECOGNITION AND EVALUATION OF ATHLETIC INJURIES I involves the study of the assessment and management of athletic injuries of the lower extremity. Prerequisites: BIO 191/192, MSAT 272/273. 3 credits.

MSAT 376 RECOGNITION AND EVALUATION OF ATHLETIC INJURIES II involves the study of the assessment and management of athletic injuries of the upper extremity. Prerequisites: BIO 191/192, MSA T 272/273, MSAT 372/374. 3 credits.

MSAT 380 RECOGNITION AND EVALUATION OF ATHLETIC INJURIES III involves the study of the assessment and management of athletic injuries of the head, neck, and core. Prerequisites: BIO 191/192, MSAT 272/273, MSAT 376/378. 3 credits.

MSAT 391 ATHLETIC TRAINING PRACTICUM III is designed to formally structure clinical experience specific to the fifth semester of enrollment in the Athletic Training 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: MSAT 292. 3 credits.

MSAT 392 ATHLETIC TRAINING PRACTICUM IV is designed to formally structure clinical experience specific to the sixth semester of enrollment in the Athletic Training 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: MSAT 391. 3 credits.

MSAT 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. Prerequisites: MSAT 301/302, MSAT 303/304. 3 credits.

MSAT 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 191/192, EXPH 470, HHP 342. 3 credits.

MSAT 491 ATHLETIC TRAINING PRACTICUM V is designed to formally structure clinical experience specific to the seventh semester of enrollment in the Athletic Training 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: MSAT 392. 3 credits.

MSAT 492 ATHLETIC TRAINING PRACTICUM VI is designed to formally structure clinical experience specific to the eighth semester of enrollment in the Athletic Training 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: MSAT 491. 3 credits.

MSAT 501 MANUAL BASED EXAM AND TREATMENT will familiarize the student with the theory, skills, and clinical applications of various forms of manual soft tissue examination and treatment. The manual therapy techniques that this course will focus on include Graston Technique, muscle energy techniques, joint mobilization, trigger point therapy and myofascial release techniques, cupping, and Kinesio-tape. All skills will be demonstrated and practiced in a hands-on lab environment. Prerequisites: fourth year Athletic Training Student with previous background in clinical patient care or consent of instructor. 3 credits.

MSAT 510 PATHOPHYSIOLOGY, PHARMACOLOGY, AND GENERAL MEDICINE is designed to provide the learner with information regarding diseases and conditions addressed in the profession of athletic training. Classroom and laboratory experiences will encompass classroom exercises addressing illness/condition recognition, assessment, differential diagnosis, referral, and treatment of a variety of different patient populations. The course will examine pharmaceutical drug applications, interactions and their value to the injury-healing process and athletic performance. Prerequisites: fifth year Athletic Training Student. 4 credits.

MSAT 520 BASIC STATISTICS FOR ATHLETIC TRAINERS is designed to help health care professionals acquire skills related to consuming and producing research. Students are exposed to basic concepts of research methodology and a review of basic statistics that enhances skills with developing and consuming scientific literature. This course provides the student with critical reading and appraisal skills that will be used in the health care setting as evidence-based practitioners. 3 credits.

MSAT 530 PSYCHOSOCIAL ASPECTS OF ATHLETIC TRAINING is designed to analyze and critically assess the psychological and sociological phenomena associated with participation in sport and athletic injury. Discussion on the impact of the athlete's psyche as it relates to injury, rehabilitation and return to play will be addressed with a focus on educating the athlete and athletic training professional through this process. Prerequisites: third year Athletic Training Student. 3 credits.

MSAT 540 APPLIED KINESIOLOGY this course is an examination of human movement mechanics in applied settings. Focus will be placed on functional assessment, training and conditioning, rehabilitation, and injury prevention. Advanced application of arthrokinematics, musculoskeletal function, and relative biomechanics as they relate to evidenced based science will be the focus of class content. 3 credits.

MSAT 569 RESEARCH METHODS provides an examination of the research methods commonly used to design, implement and evaluate research in athletic training. The course includes the study of descriptive, quantitative and qualitative research methods, as well as techniques of literature review and reporting of research. Students completing this course should have a draft of a research proposal that can be used for either a thesis or graduate capstone project. 3 credits.

MSAT 600 THESIS this course is designed to help students hone their research skills through the implementation of a research proposal under the advisement of a faculty member. Students will propose a research project, obtain IRB approval, perform data collection, and analyze their data. Additionally, students will create a complete thesis document. Students are expected to work semi-independently with their thesis adviser and must produce scholarly work. Students must also orally defend the thesis in a public forum. Prerequisite: MSAT 569 Research Methods. 3 credits.

BIOLOGY

BIO 141 GENERAL BIOLOGY I is an introductory laboratory course which contains a heavy emphasis on the cell, its structures, and the processes which take place inside the smallest of living units. Laboratory course. 4 credits.

BIO 142 GENERAL BIOLOGY II is a continuation of BIO 141 that focuses on 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. Laboratory course. 4 credits.

BIO 146 ESSENTIALS OF ANATOMY & PHYSIOLOGY is a laboratory course for non-biology majors. It surveys the major organ systems in the human body from both a structural and functional perspectives. Laboratory course. 4 credits.

BIO 149 MEDICAL MICROBIOLOGY introduces students to the role that bacteria, viruses and eukaryotic microbes play in human health and disease. It is designed for students in the nursing program. Prerequisite: CHEM 105. Laboratory course. 4 credits.

BIO 151 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 biomedical sciences and pre-professional programs. Laboratory course. 4 credits.

BIO 152 FUNCTIONAL HUMAN BIOLOGY II is a continuation of BIO 151 with emphasis on the structure and function of selected human organ systems. Laboratory course. 4 credits.

BIO 156 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. Laboratory course. 4 credits.

BIO 191 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 systems. This laboratory course is recommended for nursing and radiation technology students, pre-PT, pre-OT and pre-physician assistant students. Students must consult with their academic advisor or the Academic Advising office before enrolling in this course. Laboratory course. 4 credits.

BIO 192 HUMAN ANATOMY AND PHYSIOLOGY II is a continuation of BIO 191 and examines the endocrine, circulatory, respiratory, digestive, excretory, and reproductive systems and also the basics of nutrition, and concludes with a study of basic human development and genetics. Prerequisites: BIO 191 or permission of professor. Laboratory course 4 credits.

BIO 240 ZOOLOGY is a survey of the animal kingdom and study of the biology of animals in their natural environment. Recommended: BIO 141 or BIO 151 or SCI 152. Laboratory course. 4 credits.

BIO 244 BOTANY is an indepth study of the plant kingdom with emphasis on the study of plants in their natural habitat. Recommended: BIO 141 or BIO 151 or SCI 152. Laboratory course. 4 credits.

BIO 260 MICROBIOLOGY is a laboratory course that focuses on the biology and genetics of organisms too small to be seen by the human eye. Students will be introduced to the roles that bacteria, viruses, and eukaryotic microbes play in the environment and human disease. Prerequisite: BIO 141/2 or BIO 151/2 and one year of chemistry. Laboratory course. 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 are introduced, followed by presentations of common diseases in the various organ systems. Prerequisites: Two semesters of biology (BIO 141/2 or BIO 151/2) or anatomy/physiology (BIO 191 /2). 3 credits.

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 and the primary muscles that perform them. Prerequisites: BIO 191/2. 4 credits.

BIO 321 CELL BIOLOGY provides a more detailed study of the relationships between cellular structure and function. 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. Laboratory course. 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. Laboratory course. 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. This is a travel course that satisfies the core culture requirement. Travel costs will be in addition to tuition. For qualified students travel grants are available. Cross-listed (The Caribbean: GEO 367). 3 credits.

BIO 368 ECOLOGY OF THE TROPICS LAB is an optional lab course that explores tropical organisms and ecosystems which complements BIO 367. BIO 367 plus BIO 368 satisfy the core requirement for a laboratory science course. Co-requisite: BIO 367. 1 credit.

BIO 370 ORNITHOLOGY is a field oriented laboratory 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. Prerequisite: BIO 240. Fall semester. Laboratory course. 4 credits.

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: BIO 191 /2. 3 credits.

BIO 399 BIOLOGY INTERNSHIP provides credit for majors in the biological sciences, 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. 1 - 4 credits.

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. Prerequisites: BIO 141 OR BIO 151 and BIO 240 and BIO 244, and MATH 121. Laboratory course. 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 244. Laboratory course. 4 credits.

BIO 420 MOLECULAR GENETICS builds upon BIO 348, exploring natural processes such as splicing and DNA repair, as well as, experimental strategies for manipulating genes in lower and higher organisms. Labs focus on DNA manipulation techniques such as molecular cloning, mutagenesis, and gene knock-outs in yeast. Prerequisites: BIO 348. Laboratory Course. 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 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: BIO 240/244. Laboratory course. 4 credits.

BIO 445 BIOLOGICAL RESEARCH METHODS introduces the student to techniques commonly performed in the field of biology such as protein purification, Western blot analysis, immunohistochemistry, and the polymerase chain reaction. The theory behind the use of these techniques will also be addressed. Prerequisites: 20 hours of biology and 8 hours of chemistry. Laboratory Course. 4 credits. This course meets the requirement of the spring semester of Senior Sem.

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: BIO 151/2 or BIO 191/2. 4 credits.

BIO 490 BIOLOGY SENIOR 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. Prerequisites: Senior status and 20 credits of Biology. 1 credit.

BIO 499 UNDERGRADUATE RESEARCH undergraduate research provides students with the opportunity to work with members of the faculty conducting research in the biological sciences. Students must submit appropriate form to the Department Chair for approval. Pre-requisite: 20 hours of Biology and 8 hours of Chemistry. 1 - 4 credits.

BUSINESS

BUS 161 BUSINESS ESSENTIALS provides an overview and application of technology and soft-skills necessary within a business context. The course explores the use of various information technology formats for communication, data management, and problem solving in the organizations. Students will apply these technological skills and career-related skills in preparation for their vocation, and as it is needed in today's business climate. Students conduct extensive laboratory activities culminating in a final project that evaluates proficiency in skills needed for professional success and etiquette. 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 320/BUS 320EL FAMILY BUSINESS MANAGEMENT exposes students to the ethical issues in business management and equips them to be effective servant leaders in business. 3 credits.

BUS 325/325EL FAMILY BUSINESS STRATEGIC PLANNING will focus on the fundamental strategic planning opportunities and challenges facing family business owner management. Topics include: the strategy-making process; stakeholders - the vision and mission, governance and business ethics; external analysis; building competitive advantage; business level strategy and competitive positioning; strategy in the global environment; corporate level strategy and long-term profitability; strategic change - implementing strategies to build and develop the company; and implementing strategies through organizational design. 3 credits.

BUS 355 MANAGEMENT INFORMATION SYSTEMS presents an overview of management information systems. 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. Prerequisite: ACCT 203, MGMT 130, and BUS 161. 3 credits.

BUS 388 COMPENSATION AND BENEFITS examines the development, administration, and evaluation of financial and non-financial compensation and benefits reward. Topics will include relevant theoretical and legal perspectives, compensation structure, compensation systems and benefit plans/systems. Prerequisite: MGMT 336. 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: MGMT 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: MGMT 130, BUS 210, BUS 150 or CSC 150, ACCT 203. 3-6 credits.

BUS 434 TRAINING AND EMPLOYEE DEVELOPMENT emphasizes proper training and development within an organization and the introduction to a systematic approach to training. It examines the development and implementation of training, including needs, job and task analysis, design and evaluation of training programs, transfer of training and employee development. Pre-requisite: MGMT 336. 3 credits.

BUS 422 RISK MANAGEMENT AND INSURANCE is an introduction to the tools of insurance and risk management. Topics of discussion will include property, life, health, and liability insurance. 3 credits.

BUS 453 BUSINESS POLICY studies strategic policies of organizations. This capstone course looks at methods used by upper management to guide resource deployment to maintain competitive advantages in meeting the corporate mission. The course provides a demonstration of the integration of the functional areas of business administration and a realistic approach to business problems. Prerequisites: Senior Status or permission of professor. 3 credits.

BUSINESS COMMUNICATION

BCOM 247 BUSINESS WRITING teaches how to write effective business letters, memos, articles, reports, advertisements, and resumes. Students learn to organize, format, and edit messages used in press releases, public relations, management, marketing, customer service, and organizational decision making. 3 credits.

BCOM 260 SOCIAL MEDIA introduces the student to the theory and history of social media, looking at their rise and role in society and culture, their uses, and various concerns and issues surrounding them. 3 credits.

BCOM 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 skills, conflict, decision making, problem solving, and leadership are presented via a variety of thought provoking exercises. The course concludes with a major small-group project that leads into a class presentation and a reflection paper. Cross listed SOC 300. 3 credits.

BCOM 323 INTERMEDIATE PUBLIC RELATIONS presents public relations research and action concepts to students with basic public relations and journalistic training. Students will develop their expertise in the areas of ethics, strategic planning, public relations plan development, proactive news media relations, custom communications for organizational publics' the basic of market research, demographically appropriate uses of social media, and the basics of single project and departmental budgeting. 3 credits.

BCOM 333 SERVANT LEADERSHIP engages students in understanding and applying theory and skills grounded in the biblical concept of servanthood. Students are challenged to become effective leaders who value service, individual dignity, growth, and wholeness. A primary component of the course is a small-group service project. 3 credits.

BCOM 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. Students will study and complete a project focusing on how the media stereotypes male and female roles. Cross listed PSY 354. 3 credits.

BCOM 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, and employee motivation. 3 credits.

BCOM 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.

BCOM 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. This course will also examine prevention of conflict and alternatives to resolving conflict. Methods of dealing with tough individuals and situations are practiced and critiqued. Prerequisite: COMM 201. 3 credits.

BCOM 423 ADVANCED PUBLIC RELATIONS applies and develops strategic writing skills in using advocacy, persuasion, empathy, audience analysis, team building, and cultural awareness in producing documents for use in corporate or nonprofit communications, online and newspaper journalism, marketing, investor relations, fund raising, internal communication, community relations, media relations, and crisis communication. Prerequisite: BCOM 323. 3 credits.

AL 335 NONPROFIT FUNDRAISING AND GRANT WRITING offers students an introductory overview of fundraising strategies useful in the nonprofit sector and an experience of developing a grant proposal from case study materials. 3 credits.

CHEMISTRY

CHEM 100 INTRODUCTORY CHEMISTRY is a lecture only course that introduces the student to the principles and concepts of chemistry. It also gives students practice with the mathematical techniques used in the sciences. 3 credits.

CHEM 105 ELEMENTS OF GENERAL AND BIOLOGICAL CHEMISTRY introduces the student to elements of general, organic, and biological chemistry and is recommended for students seeking a career in nursing. 3 hours lecture, 2 hours lab. Prerequisite: MAT 121. 4 credits.

CHEM 141 GENERAL CHEMISTRY I introduces the student to general concepts of chemistry including atomic and molecular structure, reaction stoichiometry, thermodynamics, periodic trends, and gas laws. 3 hours lecture, 1 hour discussion, 2 hours lab. Prerequisite: Placement Exam or "C-" or better in CHEM 100/105. 4 credits.

CHEM 142 GENERAL CHEMISTRY II is a continuation of CHEM 141 including intermolecular forces, reaction kinetics, acid-base theory, equilibrium, electrochemistry, and nuclear chemistry. 3 hours lecture, 1 hour discussion, 2 hours lab. Prerequisite: "C-" or better in CHEM 141. 4 credits.

CHEM 215 SURVEY OF ORGANIC CHEMISTRY is meant for the student whose program requires one semester of organic chemistry. This course introduces the student to organic synthesis and reaction mechanisms, focusing primarily on aspects of structure that will result in given, predictable reactivity. The course will cover acid-base chemistry, stereochemistry, aromatic compounds, and reactivity of functional groups including hydrocarbons, alcohols, amines, and carbonyls. 3 hours lecture, 3 hours lab. Prerequisite: "C-" or better in CHEM 142. 4 credits.

CHEM 225 ANALYTICAL CHEMISTRY introduces the student to the application of chemical principles for the purpose of chemical analysis as well as the many associated skills such as sampling, sample preparation, treatment of data, etc., necessary to obtain valid information on the chemical composition of matter. 2 hours lecture, 4 hours lab. Prerequisite: "C-" or better in CHEM 142. 4 credits.

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: "C-" or better in CHEM 142. 4 credits.

CHEM 241 ORGANIC CHEMISTRY I introduces the student to organic synthesis and reaction mechanisms, focusing specifically on the chemistry of alkanes, alkenes and alkynes. Substitution and elimination concepts are covered along with acid-base chemistry and stereochemistry. 3 hours lecture, 1 hour lab lecture, 3 hours lab. Prerequisite: "C-" or better in CHEM 142. 4 credits.

CHEM 242 ORGANIC CHEMISTRY II is a continuation of CHEM 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: "C-" or better in CHEM 241. 4 credits.

CHEM 341 PHYSICAL CHEMISTRY I introduces the student to the study of the states of matter, equilibrium, thermodynamics, the properties of solutions, the rates of chemical and physical processes, and the concepts and equations of statistical thermodynamics. 3 hours lecture, 3 hours lab. Prerequisites: MATH 202 (may be taken concurrently) and a "C-" or better in CHEM 142. 4 credits.

CHEM 342 PHYSICAL CHEMISTRY II is a study of quantum theory, electronic structure of atoms and molecules, group theory, computational chemistry, and spectroscopy. 3 hours lecture, 3 hours lab. Prerequisites: "C-" or better in CHEM 142, MATH 202. 4 credits.

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: "C-" or better in CHEM 142 or consent of instructor. 3 credits.

CHEM 399 CHEMISTRY INTERNSHIP provides credit for chemistry majors who obtain laboratory or field experience outside of the typical academic environment. The experience must be approved in advance by the Department Chair. Students may enroll for credit more than once and may apply up to 4 credits of CHEM 399 to the requirements for the major. Prerequisite: 16 credit hours of chemistry. 1-4 credits per experience.

CHEM 425 BIOCHEMISTRY introduces the student to the ways in which atoms and molecules function to produce life processes. Topics include aqueous interactions and bioenergetics; structure and function of nucleic acids, proteins, carbohydrates, and lipids; enzyme function and kinetics; and an overview of major metabolic pathways. Students will become familiar with and proficient using molecular visualization, data fitting, and kinetic simulation software. 3 hours lecture, 3 hours lab. Prerequisite: "C-" or better in CHEM 242 or CHEM 215, or consent of instructor. 4 credits.

CHEM 435 ADVANCED ORGANIC CHEMISTRY is an advanced survey of modern organic chemistry, focusing on synthesis using the retrosynthetic approach. Selected topics include classical organic syntheses in addition to pharmaceutical drug applications and synthesis. 3 hours lecture, 3 hours lab. Prerequisite: "C-" or better in CHEM 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: "C-" or better in CHEM 235. 4 credits.

CHEM 455 INSTRUMENTAL ANALYSIS is an in depth study of the use of instruments in chemical analysis. Topics include the basic theory and techniques of instrumental methods of analysis, with emphasis on spectrophotometry, NMR, and gas and liquid chromatography. 2 hours lecture, 4 hours lab. Prerequisite: "C-" or better in CHEM 225 or consent of instructor. 4 credits.

CHEM 490 CHEMISTRY SENIOR SEMINAR: includes reports on and discussion of current chemical literature. Two semesters of Chemistry Senior Seminar are required for all chemistry majors. Prerequisite: Senior standing and 20 credits of chemistry. 1 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. The experience must be approved in advance by the Department Chair. Students may enroll for credit more than once and may apply up to 4 credits of CHEM 499 to the requirements for the major. 3-12 hours lab. Prerequisite: 16 credits of chemistry and instructor's approval. 1-4 credits.

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 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 credit hours.

COMM 191 BEACON NEWSPAPER Affords students the opportunity to write, edit and publish the university newspaper. Prerequisite: COMM 265. 1 credit hour.

COMM 193 WCUW RADIO requires acceptable work with the student radio station. Prerequisite: COMM 351 or permission of instructor. 1 credit hour.

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 as PSY 201. 3 credit hours.

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 credit hours.

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 credit hours.

COMM 260 SOCIAL MEDIA Introduces students to theories about the ways in which social media influences society and provides students the opportunity to employ those theories via practical application. 3 credit hours.

COMM 261/REL 261: REPRESENTATIONS OF CHRIST IN FILM examines the ways that Christ, and the narratives surrounding His time on earth, have been represented in cinema through more than one hundred years of cinematic history. Students will see films and discuss how each representation emphasizes different aspects and why, and how the films reflect the times they were made and the world-views of their makers. 3 credit hours.

COMM 265 JOURNALISM introduces students to the basics of reporting, writing, and editing in a journalistic style, and discusses the issues facing journalists and journalism today. 3 credit hours.

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 credit hours.

COMM 275/RELIGION 275 THEOLOGY AND FILM examines theological concepts and how they are embodied in motion pictures, through narratives, characters, conflicts, and embedded world-views. Students will learn how to analyze films and see how they function in the conveyance of messages and ideas, and discuss the different aspects from both theological and cinematic frames of reference. 3 credit hours.

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 credit hours.

COMM 295 SPORTS BROADCASTING introduces students to the skills of a sports broadcaster, primarily the techniques and principles of interviewing, reporting, and the on-air broadcasting of sports. A hands-on approach is emphasized, with several opportunities for experience. Prerequisite: COMM 265 or ENG 104. 3 credit hours.

COMM 301 PERSUASIVE COMMUNICATION examines the process of persuasion from both a sender's and a receiver's perspective. Students learn how to be better consumers and creators or persuasive messages that target beliefs, attitudes, values, and behaviors. This highly interactive course places a premium on experiential learning as students engage in several projects, including the creation of a hypothetical entertainment service that they "sell" to another class. Crosslisted: PSY 451. 3 credit hours.

COMM 321 MEDIA WRITING Introduces students to the basic practices and principles for writing for different mass media. 3 credit hours.

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 credit hours.

COMM 325 POLITICAL COMMUNICATION, HONORS covers communication's role in politics and the dissemination of political ideas, through speeches, written documents, policies, and more. 3 credit hours.

COMM 327: STORYTELLING AND ORAL HISTORIES examines the art of storytelling and oral histories as communication. Particular attention is given to storytelling and oral histories as cross-cultural communication. Students define criteria for selecting and evaluating folk and fairy tales for performance. The course also introduces the student to methods of collecting, writing and performing oral histories. 3 credit hours.

COMM 329 HISTORY OF FILM examines the development of motion pictures from its beginning to the present day. Films will be screened representing various movements, periods, and styles. 3 credit hours.

COMM 330 THEORIES OF PERSUASION examines the process of persuasion from both a sender's and a receiver's perspective. Students learn how to be better consumers and creators or persuasive messages that target beliefs, attitudes, values, and behaviors. This highly interactive course places a premium on experiential learning as students engage in several projects, including the creation of a hypothetical entertainment service that they "sell" to another class. Crosslisted: PSY 451. 3 credits.

COMM 333 SERVANT LEADERSHIP engages students in understanding and applying theory and skills grounded in the biblical concept of 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 credit hours.

COMM 347 ANIMATION introduces students to the theoretical bases of Animation and how it works, the history of animation from optical toys, through the silent film era and the coming of sound, the latter half of the 20th century and into the digital era. The course also includes several practical projects in which students try their hand at animation. 3 credit hours.

COMM 348 MULTIMEDIA PRODUCTION allows students in this course to work on and help create multimedia projects. Prerequisites: ART 110 and COMM 322. 3 credit hours.

COMM 351 RADIO PRODUCTION introduces the student to the elements of radio broadcasting, and considers the history, equipment, and techniques of radio production. 3 credit hours.

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 credit hours.

COMM 371/PHIL 371 PHILOSOPHY AND FILM examines philosophical concepts and how they are embodied in motion pictures, through narratives, characters, conflicts, and embedded world-views. Students will learn how to analyze films and see how they function in the conveyance of messages and ideas, and discuss the different aspects from both philosophical and cinematic frames of reference. 3 credit hours.

COMM 372/PHIL 372 THE LORD OF THE RINGS AND PHILOSOPHY examines philosophical concepts and how they are embodied in Tolkien's writings, and in particular his epic The Lord of the Rings. Students will analyze Tolkien's work and see how it conveys messages and ideas, and discuss the different aspects from both philosophical and literary frames of reference. 3 credit hours.

COMM 424 RACE AND MEDIA examines representations of race in the American media, situating them within wider social, cultural, and political contexts. It explores how Asian Americans, Latino/as, African Americans, Arab Americans, and Native Americans have been represented in films, television, and new media. By analyzing racial/ethnic images in the media, students will understand the complex histories that have shaped the formation of each racial group in the United States. The course will address topics such as stereotype, whiteness, multiculturalism, Blaxploitation, Orientalism, white-black racial paradigm, and mixed race. 3 credit hours.

COMM 439 ADVANCED FILM AND VIDEO PRODUCTION concentrates 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 credit hours.

COMM 448 ADVANCED MULTIMEDIA PRODUCTION goes more in-depth into 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 credit hours.

COMM 460 CROSS-CULTURAL COMMUNICATION stresses individual participation in intercultural human transactions. The various obstacles of trust and understanding found between culturally diverse groups will be studied. Prerequisite: COMM 105 or 201, ENG 104. 3 credit hours.

COMM 470 INTERNSHIP involves supervised work at a commercial communication enterprise. Prerequisites are explained in the internship packet, which may be obtained from any communication professor. 3 credit hours.

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 credit hours.

COMMUNICATION SCIENCES AND DISORDERS

CSD 100 INTRODUCTION TO COMMUNICATION SCIENCES AND DISORDERS is a team-taught survey course designed to provide an introduction to the areas of study and the disciplines involved in communicative disorders, including an overview of communication processes and development as well as speech, language, and hearing disorders. 3 credit hours.

CSD 210 ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISMS provides understanding of the basic elements of neuroanatomy and neurophysiology involved in speech, hearing, and swallowing. This course covers the anatomy and physiology of respiration, phonation, articulation, resonance, mastication, deglutition, and hearing. 3 credit hours.

CSD 220 CLINICAL PHONETICS is an introduction to the study of the International Phonetic Alphabet and training in the phonetic transcription of speech for improvement of voice and diction. It includes descriptive systems for characterizing production of speech sounds and speech errors, phonetic transcription of normal and disordered speech as well as phonetic variation associated with dialects of English. 3 credit hours.

CSD 230 FOUNDATIONS OF COGNITION AND LANGUAGE focuses on the cognitive and linguistic elements and mechanisms, relationships between cognitive and linguistic abilities, and cultural influences upon language. It also addresses the definition of the specific components of language (phonology, syntax, morphology, semantics, and pragmatics) with emphasis on procedures for description and analysis commonly used in communication sciences and disorders. 3 credit hours.

CSD 240 SPEECH AND LANGUAGE DEVELOPMENT focuses on speech and language development across the lifespan. This course covers development in the prenatal, postnatal, and newborn periods moving through the lifespan to include the toddler, preschool, school-aged and adult years. In addition, language acquisition theories, and multicultural implications are included. 3 credit hours

CSD 250 HEARING SCIENCE is the study of the scientific aspects of hearing and its measurement, including basic acoustics, anatomy and physiology of the ear, psychoacoustics, and instrumentation. 3 credit hours.

CSD 260 SPEECH AND LANGUAGE DISORDERS IN CHILDREN addresses the characteristics of speech and language disorders in children from birth through adolescence as well as assessment and intervention strategies appropriate for that population. 3 credit hours.

CSD 270 MULTICULTURAL POPULATIONS is the study of diverse populations, including cultural and linguistic differences and disorders in speech, language, and hearing, as well as cross-cultural issues in assessment and intervention. 3 credit hours.

CSD 300 KINESIOLOGY & MOTOR LEARNING provides an overview of fundamental concepts and mechanics of gross and fine motor movements including speech and swallowing dynamics. Principles and theories of motor learning theory related to motor function are also covered. 3 credit hours.

CSD 310 AUDIOLOGY is an introduction to audiology methods, pathologies of hearing, differential evaluation, physiological procedures, pediatric evaluation, hearing conservation, and rehabilitation with an emphasis upon pure tone thresholds, speech audiometry, and masking. 3 credit hours.

CSD 320 SPEECH SCIENCE is the study of the physiological, acoustic, and perceptual aspects of speech. Emphasis is placed upon respiration, phonation, resonance, articulation, prosody and acoustic phonetics. 3 credit hours.

CSD 330 SPEECH AND LANGUAGE DISORDERS IN ADULTS is a survey of speech and language disorders, seen in adulthoods. Prevention, assessment, and treatment are addressed. 3 credit hours

CSD 340 RESEARCH SEMINAR is an Investigation of research methods employed in communication sciences and disorders. Emphasis is placed on human subjects procedures and protections and the design of an empirically based investigation. Interested students may apply and be admitted through a selection process based on faculty recommendation. 1 credit hour.

CSD 410 AURAL REHABILITATION is an introduction to the effects of hearing loss on language, hearing conservation, and to principles of hearing (re) habilitation. Perceptual, cognitive, communicative, educational, occupational, social, and emotional aspects of life, for all age ranges, are studied. Common intervention techniques associated with hearing loss are presented. 3 credit hours.

CSD 420 CLINICAL METHODS AND OBSERVATION is an introduction to clinical service provision, including principles and procedures in diagnostics and intervention that are common across communication disorders scope of practice. Students will also learn an approach to meaningful observation and documentation of clinical practice in communication disorders in multiple settings. Effective strategies within the context of the Christian perspective for managing ethical dilemmas in patient care will be addressed. 3 credit hours

CSD 430 SERVICE DELIVERY AND ETHICS focuses on issues related to the profession of speech-language pathology, service delivery, ethics, and credentialing. Emphasis placed on the American Speech-Language-Hearing Association Scope of Practice, Codes of Ethics, Scope of Practice and Preferred Practice Patterns. The importance of effective strategies within the context of the Christian perspective will be incorporated in regards to professional activity, including advocacy for the professions and the clients one serves are addressed. 3 credit hours.

CSD 440 RESEARCH PRACTICUM is a closely mentored empirically based research experience that is an extension of the research process acquired in CSD 340. Research Seminar. Prerequisite: CSD 340 Research Seminar. 1-3 credit hours.

CSD 450 CLINICAL PRACTICUM provides an introduction to clinical skills and an opportunity to learn about related clinical practice. Students participate in supervised clinical practicum experiences including assessment and remediation of a variety of communication disorders, where available. Prerequisite: CSD 420 Clinical Methods and Observation and a 3.25 overall GPA. 3 credit hours.

CSD 460 SCHOOL METHODS Is an overview of communication disorders and therapy methods in school-age children and the educational impact. Focus on practical application through understanding of IDEA, RTI, classroom interventions, and student accommodations and procedures and materials used in the public schools by speech language pathologists/Audiologists. Effective strategies within the context of the Christian perspective for managing ethical dilemmas in the school setting will also be addressed. 3 credit hours.

CSD 470 NEUROLOGICAL BASES OF COMMUNICATION is the study of neurological development and function related to speech, language, and hearing. Emphasis placed on the neuroanatomy and neurophysiology involved in communication. 3 credit hours.

CSD 475 SENIOR SEMINAR is an integrative experience for seniors that ties together the key learning objectives identified by the department that are consistent with the mission of the University. These capstone projects are expected to demonstrate reflection, critical thinking, and effective communication including presentation, research and technological skills as defined by the nature of the project. 3 credit hours

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, animation, analytics, 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. Computer certifications (such as A+) are explored also. Prerequisite: CSC 150 with a grade of C or better. 3 credits.

CSC 200 FOUNDATIONS OF PROGRAMMING allows students to explore initial computer programming concepts with an emphasis on mapping current problem solving abilities to techniques that produce efficient computer systems. Topics covered include: history of programming languages, variables, conditionals, iteration, methods, and objects. These topics are covered within the context of good problem solving techniques, algorithm design, and user experience. The use of Python, an industry standard programming language, 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 210 THE ART AND SCIENCE OF COMPUTER ANIMATION This course will introduce students to 3D computer animation including the end-to-end development process from script/story writing, production planning, creating geometric models and surface properties, designing motion, staging and lighting the action, rendered images with 2D and 3D effects, and editing them into a short film. Open Source software will be used for animation exercises. Throughout the course, existing 2D and 3D movies will be used for learning the techniques and methods of professional animators. The course is designed for students with no previous animation skills and will lead students through a series of exercises that build on each other to learn 2D and 3D animation techniques. Prerequisites: CSC 150 and CSC 200. 3 credits.

CSC 250 COMPUTER SCIENCE: THEORY AND PRACTICE I allows students to transition from intermediate software developers to budding professionals by initially working with the Java programming language using industry standard development tools identical to those used by professionals to map concepts found in CSC 200 from Python to Java. The course then focuses on enhancing those skills through the design of graphical user interfaces (GUIs) within the context of Android mobile application development. Upon completion, students will have the necessary skills to develop and deploy simple mobile applications to the Google Play store. They will also have a comparative understanding of how Android development skills directly map to iOS development for distribution on the iPhone App Store. Prerequisites: CSC 150 and CSC 200 with a grade of C or better. 3 credits.

CSC 300 COMPUTER SCIENCE: THEORY AND PRACTICE II allows students to transition from budding professional software developers to the necessary skillset to succeed in a career as a software developer. The same programming language and Android development tools found in CSC 250 are used while shifting the emphasis from programming fundamentals to data structures and algorithm design for more advanced application development. Topics covered include linked lists, stacks, queues, trees, graphs, searching and sorting algorithms, as well as various algorithms that tackle the problems found in more complex software applications. A successful student will have the necessary programming skills to explore advanced topics in computer science as well as begin an internship in the software development industry. Prerequisite: CSC 250 with a grade of C or better. 3 credits.

CSC 313 THE IT EXPERIENCE allows student to gain experience in Information Technology by carrying out actual projects for the Computer Science department. An IT professional serves others by solving problems when applying and managing technology (both hardware and software). An effective IT practitioner understands both technology and people. The IT professional is able to effectively communicate with users in order to understand the problem and provide a solution. This course allows students to develop a number of problem-solving strategies by administering the technology used in the Computer Science department. Aspects of server certification (such as Server+) are explored also. Prerequisite: CSC 150 with a grade of C or better. May be repeated for credit. 1 credit hour.

CSC 315 INTERMEDIATE COMPUTER ANIMATION will continue work begun in CSC 210 with a deeper exploration of 3D computer animation and introduction of a commercial 3D animation software product, Autodesk Maya. The class is viewed as a logical continuation of CSC 210. This course explores the core technical and artistic aspects of 3D computer animation. Students will learn character modeling, character rigging, skinning, animation, and lighting using Autodesk Maya. Prerequisite: CSC 210 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 250 with a grade of C or better and upper-division status. 3 credits.

CSC 335 CHARACTER AND STORY DEVELOPMENT is designed to challenge technically minded people in the development of realistic characters and believable storylines. Successful animators need to utilize both sides of their brains and cannot be merely technically proficient. The discipline of animation bridges the gap between creativity and technology. In this course, students will use a variety of animation software and hardware to produce a semester-long project that demonstrates the use of all of their God-given talents. Prerequisite: CSC 315 with a grade of C or better 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 with a grade of C or better and upper-division status. 3 credits.

CSC 355 GAME PROGRAMMING I allows students to explore video game programming through Unity, an industry standard 2D/3D game engine. Design and Story elements are discussed, but an emphasis is placed on mastering the Unity development tool and applying an existing programming skillset to the tasks common in 2D game programming. Topics include system dynamics, scripting fundamentals, game development tools, functions, properties, interfaces, environments, asset management, physics, cameras, lighting, sound, and the game build process. An emphasis is placed on including traditional computer science topics like animation, artificial intelligence, networking, and operating systems within the context of 2D game programming. Students will appreciate that game programming is an application of traditional computer science concepts rather than an alternative to a traditional computer science education. Successful students will have the necessary skills to create 2D games capable of being deployed to PS4, XBOX One, or Android/iPhone mobile devices. Prerequisite: CSC 300 with a grade of C or better. 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 375 COMPUTATIONAL METHODS investigates the essential elements of numerical analysis and computational methods, particularly emphasizing recursive and iterative processes, mathematical modeling, and the analysis of algorithms. The mathematical foundations of informatics and analytics are explored. Prerequisites: MATH 205, MATH 220 and CSC 250. 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. May be repeated for credit. 1 credit hour.

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 neural networks, search techniques, natural language processing, 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 and upper-division status. 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 435 ADVANCED ANIMATION This course is an advance level course designed to advance animation knowledge developed in CSC 210 and CSC 315. The emphasis in this course is on extending the Maya skills developed in CSC 315 by examining and demonstrating advanced skills such as Fluids, Particles, nParticles, Fur, nHair, Bifrost, and mental rays. CSC 435 will also introduce and utilize Maya extensions and toolsets such as RenderMan, which provides the ability to add photo-realism to your creations. Prerequisite: CSC 315 with a grade of C or better.

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 445 GAME PROGRAMMING II allows students to build upon their Unity 2D skillset by exploring many of the same concepts within a 3D game environment. Additional topics include multiplayer support, relative real-time latency issues and solutions, frame rate, and game servers. An introduction into expanding 3D game design for virtual reality is woven into various concepts in the course. An emphasis is placed on including traditional computer science topics like animation, artificial intelligence, networking, and operating systems within the context of 3D game programming. Students will appreciate that game programming is an application of traditional computer science concepts rather than an alternative to a traditional computer science education. Successful students will have the necessary skills to create 3D games capable of being deployed to PS4, XBOX One, or Android/iPhone mobile devices. Prerequisite: CSC 355 and CSC 370 with a grade of C or better. 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. Course Descriptions

CSC 490 THEORY OF COMPUTER SCIENCE 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. Topics include, Boolean Algebra and logic, Finite State Machines, grammars, correctness proofs, Turing Machines, analysis and discovery of algorithms, Finite Automata, coding and information theory, and aspects of creation. 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 PROJECT 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

DMS 200 HEALTHCARE LAW, ETHICS AND PROFESSIONALISM presents legal guidelines and requirements for health care, personal attributes, job readiness, workplace dynamics, and allied health professions and credentialing. It identifies the roles and functions of personnel within the medical setting. Medical ethics and bioethics are discussed as well as risk management issues as they relate to the practice of allied health professionals. 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 credits.

DMS 300 FOUNDATIONS OF ULTRASOUND This course is intended to provide an overview of diagnostic medical sonography. Course content includes basic concepts, patient care, equipment and expectations. Prerequisites: Acceptance into the Diagnostic Medical Sonography program 2 credits.

DMS 302 SUPERFICIAL AND PEDIATRIC SONOGRAPHY This course focuses on the embryology, normal gross anatomy, cross-sectional anatomy, relational anatomy physiology and pathology of the breast, thyroid, scrotum, prostate, and penis as they relate to sonography. Students also will be instructed on the performance of pediatric exams such as neonatal echoencephalography, the evaluation of pediatric jaundice, pediatric hips, and pediatric spine. Correlative laboratory values and other imaging modalities will be discussed. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: 300 2 credits.

DMS 311 SONOGRAPHY PRINCIPLES & INSTRUMENTATION 1 This course discusses basic mathematical and scientific principles focusing on ultrasound physics. Relationships regarding sound characteristics and mechanics will be explored. Prerequisites: DMS 300 2 credits.

DMS 312 SONOGRAPHY PRINCIPLES & INSTRUMENTATION 2 This course focuses on the physics and instrumentation used in general ultrasound. The construction and function of sonography equipment are explored. Prerequisites: DMS 311 2 Credits

DMS 313 SONOGRAPHY PRINCIPLES & INSTRUMENTATION 3 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. Prerequisites: DSM 312 2 credits.

DMS 321 VASCULAR SONOGRAPHY 1 This class focuses on cerebrovascular and abdominal vascular anatomy, physiology and pathology as they relate to sonography. The concepts of arterial hemodynamics will be taught. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 300 3 credits.

DMS 322 VASCULAR SONOGRAPHY 2 The purpose of this course is to prepare the student to perform peripheral venous testing and ultrasound. It explores the anatomy, physiology and pathology of peripheral venous system. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 321 2 credits

DMS 323 VASCULAR SONOGRAPHY 3. The purpose of this course is to prepare the student to perform peripheral arterial vascular ultrasound. It will include concepts of arterial hemodynamics as well as anatomy, physiology and pathology of the peripheral arterial vasculature. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 322 2 credits.

DMS 331 ABDOMINAL SONOGRAPHY 1 This course focuses on gross anatomy, cross-sectional anatomy, relational anatomy, physiology and pathology of the abdominal cavities, abdominal vessels and organs as they relate to sonography. Correlative laboratory values and other imaging modalities will be discussed. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 300 4 credits

DMS 332 ABDOMINAL SONOGRAPHY 2 This course focuses on gross anatomy, cross-sectional anatomy, relational anatomy, physiology and pathology of the kidneys, spleen, and gastrointestinal tract as they relate to sonography. Correlative laboratory values and other imaging modalities will be discussed. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 331 3 credits.

DMS 333 ABDOMINAL SONOGRAPHY 3 This course focuses on gross anatomy, cross-sectional anatomy, relational anatomy, physiology and pathology of the gastrointestinal tract, and abdominal wall as they related to sonography. Correlative laboratory values and other imaging modalities will be discussed. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 332 1 credit.

DMS 341 OBSTETRIC & GYNECOLOGIC SONOGRAPHY 1 This course focuses on embryology, gross anatomy, cross-sectional anatomy, relational anatomy, physiology and pathology of the female pelvis as they relate to sonography. Female reproductive physiology, correlative laboratory values and associated diagnostic tools will be discussed. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 300 3 credits

DMS 342 OBSTETRIC & GYNECOLOGIC SONOGRAPHY 2 This course focuses on the gravid uterus along with embryologic development, gestational dating, anatomy, and pathology of the developing fetus as they relate to sonography. Correlative laboratory values, and associated diagnostic tools will be discussed. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 341 3 credits

DMS 351 GENERAL & VASCULAR CASE REVIEW 1 Case presentation and exam critique classes are held throughout the program depending on the concentration. This course requires students to present cases from clinical rotations. Prerequisites: DMS 300 1 credit.

DMS 352 GENERAL & VASCULAR CASE REVIEW 2 Case presentation and exam critique classes are held throughout the program depending on the concentration. This course requires students to present cases from clinical rotations. Prerequisites: DMS 351 1 credit.

DMS 371 CLINICAL PRACTICUM 1 Students will receive clinical instruction in abdominal, OB/Gyn and vascular imaging through their assigned clinical sites. Under the direct supervision of registered clinical staff, students will perform, assist and observe sonographic examinations. In addition to clinical site rotations, clinical practicum includes scan lab instruction, proficiency and competency exams to document understanding of sonographic clinical skills. Prerequisites: DMS 300 3 credits.

DMS 372 CLINICAL PRACTICUM 2 Students will receive clinical instruction in abdominal, OB/Gyn and vascular imaging through their assigned clinical sites. Under the direct supervision of registered clinical staff, students will perform, assist and observe sonographic examinations. In addition to clinical site rotations, clinical practicum includes scan lab instruction, proficiency and competency exams to document understanding of sonographic clinical skills. Prerequisites: DMS 371 2 credit.

DMS 373 CLINICAL PRACTICUM 3 Students will receive clinical instruction in abdominal, OB/Gyn and vascular imaging through their assigned clinical sites. Under the direct supervision of registered clinical staff, students will perform, assist and observe sonographic examinations. In addition to clinical site rotations, clinical practicum includes scan lab instruction, proficiency and competency exams to document understanding of sonographic clinical skills. Prerequisites: DMS 372 4 credits.

DMS 374 CLINICAL PRACTICUM 4 Students will receive clinical instruction in abdominal, OB/Gyn and vascular imaging through their assigned clinical sites. Under the direct supervision of registered clinical staff, students will perform, assist and observe sonographic examinations. In addition to clinical site rotations, clinical practicum includes scan lab instruction, proficiency and competency exams to document understanding of sonographic clinical skills. Prerequisites: DMS 373 3 credits.

DMS 403 MUSCULOSKELETAL SONOGRAPHY Students will be instructed on the anatomy, physiology, and pathology of the musculoskeletal system. They will learn scanning techniques of the shoulder, elbow, knee, and ankle. Scan labs will be integrated into the curriculum to provide hands-on skills. 1 credit

DMS 414 SONOGRAPHY PRINCIPLES AND INSTRUMENTATION REVIEW This course is intended to prepare the student to take the ARDMS SPI exam. Review and mock boards will be conducted. Prerequisites: DMS 313 1 credit.

DMS 424 PEDIATRIC SONOGRAPHY Students will be instructed on the performance of pediatric exams such as neonatal echoencephalography, the evaluation of pediatric jaundice, pediatric hips, and pediatric spine. Prerequisites: DMS 323 1 credit.

DMS 434 VASCULAR SONOGRAPHY 4 This course will acquaint the student to vascular procedures that are done in preparation to surgery such as vein and arterial mapping, duplex evaluation of the peripheral arterial system, and diagnosis of arteritis. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 323 2 credits

DMS 443 OBSTETRIC & GYNECOLOGIC SONOGRAPHY 3 This course focuses on the gravid uterus focusing on fetal anomalies and disease processes as they relate to sonography. Correlative laboratory values, and associated diagnostic tools will be discussed. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 342 2 credits.

DMS 444 OBSTETRIC AND GYNECOLOGIC SONOGRAPHY 4 This course will discuss the role of the sonographer in the gravid and non-gravid pelvis including maternal and fetal anatomy and development. Students will participate in a variety of learning activities to enhance comprehension of obstetrics and

gynecology both in general and as it relates to sonography. Prerequisite DMS 443. 3 credits.

DMS 453 GENERAL & VASCULAR CASE REVIEW 3 Case presentation and exam critique classes are held throughout the program depending on the concentration. This course requires students to present cases from clinical rotations. Prerequisites: DMS 351 1 credit

DMS 434 VASCULAR SONOGRAPHY 4 This course will acquaint the student to vascular procedures that are done in preparation to surgery such as vein and arterial mapping, duplex evaluation of the peripheral arterial system, and diagnosis of arteritis. Scan labs will be integrated into the curriculum to provide hands-on skills. Prerequisites: DMS 323 2 credits

DMS 454 GENERAL & VASCULAR CASE REVIEW 4 Case presentation and exam critique classes are held throughout the program depending on the concentration. This course requires students to present cases from clinical rotations. Prerequisites: DMS 453 1 credit

DMS 460 PROFESSIONAL DEVELOPMENT IN SONOGRAPHY This course will explore professionalism in general and as it relates to sonography. Topics include job exploration, interview and resume building designed to enhance skills for entry into the workforce. Prerequisites: DMS senior in good standing 1 credit

DMS 475 CLINICAL PRACTICUM 5 Students will receive clinical instruction in abdominal, OB/Gyn and vascular imaging through their assigned clinical sites. Under the direct supervision of registered clinical staff, students will perform, assist and observe sonographic examinations. In addition to clinical site rotations, clinical practicum includes scan lab instruction, proficiency and competency exams to document understanding of sonographic clinical skills. Prerequisites: DMS 374. 6 credits.

DMS 476 CLINICAL PRACTICUM 6 Students will receive clinical instruction in abdominal, OB/Gyn and vascular imaging through their assigned clinical sites. Under the direct supervision of registered clinical staff, students will perform, assist and observe sonographic examinations. In addition to clinical site rotations, clinical practicum includes scan lab instruction, proficiency and competency exams to document understanding of sonographic clinical skills. Prerequisites: DMS 475. 2 credits

DMS 477 CLINICAL PRACTICUM 7 Students will receive clinical instruction in abdominal, OB/Gyn and vascular imaging through their assigned clinical sites. Under the direct supervision of registered clinical staff, students will perform, assist and observe sonographic examinations. In addition to clinical site rotations, clinical practicum includes scan lab instruction, proficiency and competency exams to document understanding of sonographic clinical skills. Prerequisites: DMS 476 7 credits.

DMS 480 REGISRTY REVIEW This course is intended to prepare students for the ARDMS exams by providing review and testing materials to improve exam taking skills. DMS 342, 332, and 322 3 credits.

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 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 325 ECOLOGICAL ECONOMICS addresses the distribution of wealth and the allocation of resources with a goal of efficiency, acknowledgement and rigorous assessment of the scale issue with a goal of optimality. This is what fundamentally distinguishes ecological economics from conventional or neoclassical economics. This business decision and natural science course gives full treatment to the efficiency standard, externalities, sustainability, socio-eco-economic measurement, food, energy, water, poverty, pollution, depletion, population and migration in our economic world. The course ends with a scientific research project that aims to improve both ecological and financial performance, showing clearly that both can be accomplished concurrent. Prerequisites: ECON 222 and ECON 231. 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. Prerequisite: ECON 231. 3 credits.

ECON 332 AN ECONOMETRIC SURVEY The focus of this course is on the development of analytical tools to support business decision making. Students use multiple regression methods for analyzing data in microeconomics, macroeconomics and related disciplines using the scientific research methodology. Extensions include bivariate linear regression, multivariate regression and nonlinear bivariate and multivariate regression modeling, design of econometric experiments and regression with time series data. The objective of the course is for the student to learn how to conduct - and how to critique - empirical studies in economics and related fields. The mathematical operations of econometrics are introduced only as needed and statistical software input/output is given full treatment. Prerequisites: BUS 315 or MATH 205, ECON 222 and ECON 231.

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 203, ECON 222, ECON 231, FIN 300, MKTG 131. 3 credits.

ECON 498 SPECIAL TOPICS IN ECONOMICS offers courses designed to address current areas of interest in economics. Topics for the course may change with each offering and the course is scheduled based on student interest. 3 credits.

EDUCATION

ED 100: ORIENTATION SEMINAR is a seminar for education majors who are new to the CUW Teacher Education Program. Major components include the basic skills test, corresponding preparatory sessions, majors/minors available in the program, and the clinical field experience program. Students should register for ED 100 their first semester in the education program and must pass this course. This course is pass/fail. 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. This course introduces human relations component to education majors and includes a field experience component. Students must register for ED 212 concurrently with this course. 3 credits.

ED 200: UDS SEMINAR is a seminar for education majors who have obtained or are working toward obtaining Upper Division Status (UDS). UDS seminar orients students to required content knowledge exam, pre-student teaching, and completing degree requirements. Students should register for ED 200 during the semester in which they plan to complete Portfolio II and apply for UDS. Prerequisites: 60 or more credits, passed ED 100, and have obtained official admittance into the School of Education. 0 credits.

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 209 EDUCATIONAL PSYCHOLOGY - ADOLESCENT presents theories of development, learning, and motivation in the context of the early adolescent and adolescent student. This course includes a field experience component. Students must register for ED 211 concurrently with this course. 3 credits.

ED 211 CLINICAL I - is an initial field work course which provides the general clinical experience of fifteen (15) hours in a variety of educational settings and sites. In Teacher Education, clinicals refer to off-campus field experiences working with children in educational settings. At Concordia, Pre-UDS clinical hours must be completed before students can apply for Upper Division Status. Students should complete their clinical hours during their first and second years at Concordia. Students register for this course concurrently with ED 209 Educational Psychology or 275 Human Learning. 0 credits.

ED 212 CLINICAL II - is a fieldwork course which provides a multicultural clinical experience of fifteen (15) hours in a variety of urban educational settings and sites. In Teacher Education, clinicals refer to off-campus field experiences working with children in educational settings. In the Clinical II Multicultural experience (15 hours), all candidates participate in a number of field experiences which facilitate their exploration of teaching and learning settings that include students from diverse backgrounds. At Concordia, Pre-UDS clinical hours must be completed before students can apply for Upper Division Status. Students should complete their clinical hours at Concordia in correlation with ED103 Human Relations for Teachers. Students register for this course concurrently with ED 103 Human Relations for Teachers. 0 credits.

ED 213 CLINICAL III - is an initial field work course which provides the special education clinical experience of fifteen (15) hours in a variety of educational settings and sites. In Teacher Education, clinicals refer to off-campus field experiences working with children in educational settings. At Concordia, Pre-UDS clinical hours must be completed before students can apply for Upper Division Status. Students should complete their clinical hours during their first and second years at Concordia. Students register for this course concurrently with ED 230 Nature of the Exceptional Child. 0 credits.

ED 230 NATURE OF THE EXCEPTIONAL CHILD is designed to introduce the education student to a study of the major characteristics of all disabilities and gifted students as defined by state and federal law in order to provide for their needs in the general education classroom. The course provides significant foundational theories and practices for understanding special education as a discipline, legal requirements for Special Education services including IEPs, and rights and responsibilities of parents, teachers, other professionals and schools related to children with exceptional needs. Students learn about characteristics of learners, assessments used to diagnose them, support services, and how to create instructional and behavioral strategies for exceptional learners in the general education classroom. This course includes a field experience component. Students must register for ED213 concurrently with this course. 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 237 BASIC ENGLISH LINGUISTICS FOR TEACHERS OF LANGUAGE LEARNERS is an introduction to the elements of linguistics, including a study of the phonetic alphabet and morphology. Prerequisite: Only for SOE students. 3 credits.

ED 245 SERVICE EXPERIENCE CLINICAL is a fieldwork course which provides a service experience of 10 hours in a variety of educational settings and sites. In Teacher Education, clinicals refer to off-campus field experiences working with children in educational settings. Service experience hours provide teacher candidates the opportunity to serve in a variety of non-paid educational settings. Recommended types of experiences include participation in the C UW respite event, participating in Best Buddies, urban education experiences through the Urban Education Institute, teaching Sunday School or Vacation Bible School, non-paid tutoring, and classroom clinical experiences working with a host teacher that may or may not meet the DPI guidelines for other clinical experiences. 0 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. This course includes a field experience component. Students must register for ED 211 concurrently with this course. 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 STUDENT TEACHING SEMINAR is a seminar for education majors who are preparing for the student teaching experience. Major components include Portfolio III, requirements and information for the student teaching experience, and edTPA. Students should register for ED 300 in the semester prior to their planned student teaching experience. Prerequisites: Upper Division Status. 0 credits.

ED 301 DATA-DRIVEN ANALYSIS OF CLASSROOM PRACTICE 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. 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. This course is required for Lutheran education majors. Prerequisite: Completion of Core theology requirements. 3 credits.

ED 310 METHODS OF TEACHING FOREIGN LANGUAGE introduces the student to the methods, curriculum, and current practices in the teaching of foreign 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 OBSERVATION, ANALYSIS, AND PRACTICUM IN ESL provides students with observation and analysis skills to apply to their own ESL teaching for this practicum experience, as well as with techniques for working with paraprofessionals in ESL/bilingual classrooms in schools. Prerequisite: Upper Division Status. 3 credits.

ED 316 ELL LITERACY: READING, WRITING AND GRAMMAR STRATEGIES provides students with opportunities to review, evaluate and adapt materials for use in teaching reading, writing and grammar to ESL learners. Students will gain facility in matching and adapting tests and materials to the needs of different kinds of ESL learners. 3 credits.

ED 317 ACCOMMODATING DIFFERENCES IN LITERACY LEARNERS prepares students in five broad areas that are instrumental in working with learners who have varying levels of language and literacy delays: relevant criteria used for determining language and literacy delays in children; relationships between cognition, speech, and language; cultural and linguistic differences; instructional arrangements for diverse learning styles; and core components of effective literacy instruction. 3 credits.

ED 323 CURRICULUM AND METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE This course introduces the student to the methods, curriculum, and current practices in the teaching of English as a second language. Prerequisite: Upper Division Status. 3 credits.

ED 327 COLLABORATING WITH FAMILIES AND PROFESSIONALS IN A DIVERSE SOCIETY is designed to provide students with a practical look at how teachers and families can empower, collaborate, and advocate for children with special needs. Students will see how lasting partnerships can be formed between members of diverse families and professionals in special and general education including administrators, teachers, assistants, special educators, and related service providers. The course includes family systems theory, the history and current status of policy, family rights, and the principles of partnership and their application by teachers and other professionals. Focus is on communication between home and school and strategies for developing culturally appropriate family-centered practices. 3 credits.

ED 328 TEACHING STUDENTS WITH SIGNIFICANT DISABILITIES examines and provides instruction in the teaching of the following areas: self-management and self-determination skills; social skills and emotional development; self-concept, personal competence; attitude, communication skills, and self-determination in a variety of social settings found in school, home, and community. This course also provides a study of the philosophical and practical base of effective assessment and intervention for individuals with moderate and severe disabilities, including assistive technology evaluations and applications. In addition, this course will focus on issues relevant to post educational, vocational, independent living, and community transitions, and the development of Individual Transition Plans. Prerequisite: Upper Division Status. 3 credits.

ED 340 UPPER DIVISION STATUS CLINICAL is a fieldwork course which provides experience of 15 hours in a variety of educational settings and sites. In Teacher Education, clinicals refer to off-campus field experiences working with children in educational settings. Students should complete their Upper Division Status Clinical hours during ED 204 Developmental Reading, ED 350 Teaching Middle School, ED 358 Language Development and Early Literacy, ED 359 Curriculum and Techniques - Early Childhood I, ED 4 01 Strategies for Literacy Instruction, ED 465 Curriculum and Techniques - Early Childhood II, and/or ED 487 Intervention Strategies in Special Education. 0 credits.

ED 343 SYNTHESIS AND PROFESSIONAL DEVELOPMENT—EARLY CHILDHOOD EDUCATION is a course taken concurrently with the student teaching semester. The course is designed to encourage reflection and discussion on the process of developing as an early childhood professional. During this reflective process, a professional portfolio will be completed and updated to include a resume, an updated philosophy statement, letters of recommendation, and documents from three student teaching placements. Students will also complete the performance-based assessment, edTPA, as required for Wisconsin state licensure. Prerequisite: Upper Division Status. 1 credit.

ED 350 TEACHING IN THE MIDDLE SCHOOL considers the developmental, disciplinary, and instructional needs of the middle school-aged student. Prerequisites: Upper Division Status. 3 credits.

ED 354 TEACHING READING AND EMERGENT LANGUAGE DEVELOPMENT examines literacy development, theory, and practice in the early childhood years. This course focuses on emergent reading, speaking, and listening. Best practices for the teaching of reading in grades pre-K through third grade will be studied. Additionally, emergent literacy development will be explored, including ways to support emergent literacies through the environment, adult-child interactions, and developmentally appropriate materials for infants and toddlers. Prerequisite: Upper Division Status and ED 204 Developmental Reading. 3 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 provides the pre-service educator with the knowledge, skills, and dispositions necessary for engaging curiosity, developing scientific literacy, and encouraging a sense of wonder in young children. This course addresses how young children construct and represent scientific knowledge through problem solving, inquiry-based exploration, cooperative learning experiences, and integration with other curricular areas. Students develop concepts about essential components and skills of scientific investigation and use this information in developing, assessing, and adapting developmentally-appropriate strategies for diverse learners. Prerequisite: SCI 152, SCI 151, Upper Division Status. 3 credits.

ED 358 TEACHING THE EMERGENT WRITER examines the development of children as writers. This course includes a study of children's language development, specifically the relationship between language and writing, stages of writing development, supporting the child as a writer, and spelling development. The course will examine current research and instructional strategies. It is recommended that this course is taken after or concurrently with ED 204. Prerequisites: Upper Division Status. 2 credits.

ED 359 CURRICULUM AND METHODS IN EARLY CHILDHOOD is a study of developmentally appropriate practices for the whole child, with emphasis on the nature and functions of play. Students develop an understanding of constructivist theory and utilize strategies of curriculum design that are emergent, integrated, aligned with early learning standards, and meet the needs of diverse learners. 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, supporting parents and families, and modeling the Christian lifestyle are areas of focus. Prerequisites: Upper Division Status, REL 201, REL 203, and REL 204. 3 credits.

ED 365 CROSS-CULTURAL COMMUNICATION FOR TEACHERS OF LANGUAGE LEARNERS examines the cultural diversity that exists locally, nationally and globally so that students develop a positive appreciation for the contributions of other cultures. Students will gain personal contact with members of other cultures and learn effective inter-cultural communication skills for our diverse world. Prerequisite: Only for SOE students. 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 or ED 370 concurrent. 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 ED 370 or ED 370 concurrent. 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 or ED 370 concurrent. 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 or ED 370 concurrent. 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. Prerequisites: Upper Division Status or consent of instructor and ED 370 or ED 370 concurrent. 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-visuals. Prerequisites: Upper Division Status or consent of instructor and ED 370 or ED 370 concurrent. 3 credits.

ED 379 CURRICULUM AND METHODS IN TEACHING (INSTRUMENTAL) MUSIC SECONDARY covers philosophical foundations of music education; planning of learning objectives; performance literature review; live classroom observations/analysis; neuroscience research relevant to music learning; lesson planning; rehearsal planning; classroom management, and historical methods for teaching music to students in grades K-12. Prerequisites: Upper Division Status or consent of instructor and ED 370 or ED 370 concurrent. 2 credits.

ED 381 CURRICULUM AND METHODS OF TEACHING ELEMENTARY 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: Upper Division Status and HHP 250. 3 credits.

ED 382 CURRICULUM AND METHODS OF TEACHING SECONDARY 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: Upper Division Status and HHP 250. 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. Students are encouraged to enroll in ED 383 concurrently with ED 370 Analysis of Instruction and curriculum and methods of teaching major course. Prerequisite: Upper Division Status. 3 credits.

ED 388 CURRICULUM & METHODS IN TEACHING ENGLISH AND SOCIAL STUDIES – SECONDARY/MIDDLE combines principles, methods, and specific instructional strategies for teaching English courses and Social Studies courses at the secondary level and the middle school level. Educational standards and the various philosophies of teaching English and Social Studies courses will be discussed. Includes curriculum planning and the construction of unit and lesson plans using a variety of resources, technology, and instructional tools. Prerequisites: Upper Division Status and ED 370 or ED 370 concurrent. 3 credits.

ED 400 MUSIC, MOVEMENT, AND ART IN EARLY CHILDHOOD is a study of creativity and the importance of meaningful integration of the creative arts, including music, visual art, dramatic play, and movement throughout the curriculum for young children. Students will explore methods to utilize the creative arts in supporting learning and creativity in young children. 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. Research-based practices in teaching students the many different types of writing and becoming confident and independent writers is emphasized. Prerequisites: Upper Division Status, ED 204 completed, ED 301 or concurrent. 3 credits.

ED 403 CURRICULUM AND METHODS IN TEACHING ELEMENTARY MUSIC covers historical methods in teaching music for grades PK-5 including but not limited to singing, percussion instruments, recorders, autoharps, rhythmic dancing and note reading. 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 411 THE PROFESSION AND ETHICS OF TEACHING is the capstone course of the education program, usually taken just before student teaching. This course emphasizes key tenets of the profession: school law, ethics and judgment of educators, including conflict mediation and resolution; legal responsibilities of teachers; finding and securing a meaningful job, including the Call process to a Lutheran school; and ongoing professional development. 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 421 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 two culminating clinical experiences for students who will receive a teaching license for early childhood. The early childhood education student teacher will enroll concurrently in ED 428. Early Childhood Dual Certification majors will register for 8 credits of student teaching to include ED 442 and one of the following: ED 427 or ED 428. These two courses will provide the dual certification major with student teaching at the kindergarten and primary levels. Prerequisites: Upper Division Status, as well as completion of ED 478, Pre-Student Teaching, and all 300 and 400-level education courses. 4 Credits.

ED 428 STUDENT TEACHING - PRIMARY provides one of two culminating clinical experiences for students who will receive a teaching license for early childhood. The early childhood education student teacher will enroll concurrently in ED 427. Early Childhood Dual Certification majors will register for 8 credits of student teaching to include ED 442 and one of the following: ED 427 or ED 428. These two courses will provide the dual certification major with student teaching at the kindergarten and primary levels. Prerequisites: Upper Division Status, as well as completion of ED 478, Pre-Student Teaching, and all 300 and 400-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 PRACTICUM FOR EBD/ID/SLD is a field-based experience where CCSE majors will work directly with children and youth with disabilities ages 6 to 21. This course involves curriculum development and implementation for children and youth with EBD/ID/SLD in field-based experiences. Course and field work will focus on evidence-based practices, designing and adapting learning environments, writing and implementing unit and lesson plans, and writing and implementing IEPs, IFSPs, and FBAs/BIPs. UDS clinical and pre-student hours are a part of this course. This field-based experience will occur within one or two terms prior to student teaching. Prerequisites: ED 457, ED 487, and Upper Division Status. 4 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 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. 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 EXCEPTIONAL YOUTH This course will help students understand the characteristics of adolescents with exceptionalities. Students will identify appropriate attitudes and strategies that will help them build positive relationships with exceptional students and create appropriate learning environments. Students will examine legal issues, inclusion, collaboration, and behavioral and academic needs as they pertain to exceptional youth. Students will learn how to modify, accommodate, and adapt instruction for exceptional youth, with an emphasis on adolescents who have disabilities, are gifted and talented, and are identified as at-risk. 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 students with developmental disabilities, health disabilities, emotional/behavioral disorders and learning disabilities. Students will observe then conduct screening and diagnostic assessments of young children while researching appropriate observational assessment techniques to identify certain behaviors or characteristics indicating developmental delays or at-risk status in the youngest of children. From results of the evaluations, 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. Prerequisite: Upper Division Status. 3 credits.

ED 454 CURRICULUM AND PRACTICUM FOR ECSE 0-8 is a field-based experience where ECSE majors will work directly with children with disabilities birth to age 8. It is designed to provide students with the curricular methods, techniques, and adaptations necessary for programming for children with disabilities. Students will implement developmentally appropriate curriculum and apply evidence-based practices in an ECSE setting. Course and field work will focus on

designing and adapting learning environments, writing and implementing unit and lesson plans, and writing and implementing IEPs, IFSPs, and FBAs/BIPs. UDS clinical and pre-student hours are a part of this course. This field-based experience will occur within one or two terms prior to student teaching. Prerequisites: ED 457, ED 487, and Upper Division Status. 4 credits.

ED 455 LEGAL ISSUES IN SPECIAL EDUCATION This course presents students with an overview of the legal requirements of providing an education for children and youth with disabilities. Students will examine the Individuals with Disabilities Education Act (IDEA) and how it ensures students with disabilities receive appropriate educational and related services, including parental rights and responsibilities. Other laws affecting the education and treatment of students with disabilities will also be examined. Prerequisite: Upper Division Status. 3 credits.

ED 457 CURRICULAR ADAPTATIONS FOR LEARNERS WITH DISABILITIES offers a framework for adapting the general education curriculum and instructional materials to meet the diverse needs of students, including those with disabilities and mental health challenges. Curriculum adaptations, modifications, and accommodations are defined and scrutinized. Planned supports such as instructional strategies, differentiated instruction, Universal Design for Learning, and assistive technology are explored as ways to accommodate students with diverse needs in the general education environment and curriculum. The course includes an emphasis on unit and lesson planning. Prerequisite: Upper Division Status. 3 credits.

ED 459 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.

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 early childhood student teacher will enroll concurrently in ED 427 and ED 428. Early Childhood Dual Certification majors will register for 12 credits of student teaching to include ED 442 and two of the following: ED 460, ED 427, and ED 428. These three courses will provide the dual certification major with student teaching experiences at the pre-kindergarten, kindergarten, and primary levels. Prerequisites: Upper Division Status and completion of all 300 and 400-level education courses. 4 credits.

ED 461 ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS is a study of planning and administering early childhood programs with emphasis on planning, implementing and evaluating programs. State regulations, establishing policies, leading and managing personnel, developing budgets and contemporary early childhood issues will also be examined. Prerequisites: Upper Division Status. 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 SOCIAL CURRICULUM AND CLASSROOM MANAGEMENT emphasizes the development of social competence and play in the context of social studies and global awareness. Students will discover ways to build responsive classroom communities; and will have an opportunity to explore and reflect upon various classroom management strategies. Must be taken concurrently with student teaching. Prerequisites: Upper Division Status; ED 359. 3 credits.

ED 466 HEALTH, SAFETY, AND FITNESS FOR THE YOUNG CHILD studies the integration of health, wellness, safety, nutrition, and fitness for children within early childhood settings. Students will explore curriculum, resources, and instructional strategies to teach young children about health, safety, and fitness. Additionally, students will learn to prepare and maintain safe and healthy early childhood environments. Students will complete a service project that promotes wellness for young children. Prerequisites: Upper Division Status. 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 475 ADAPTIVE 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 ED 486. Prerequisite: ED 230. 3 credits.

ED 476 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. Prerequisites: HHP 100, or 105, HHP 260, and HHP 265. 3 credits.

ED 477 PRACTICUM IN ADAPTIVE EDUCATION provides the opportunity to relate theory to practice in the field of special education. This clinical field experience fulfills the licensing requirement for the Adaptive Education Minor. Prerequisites: Upper Division Status, 12 credits in the Adaptive Education Minor. 1 credit.

ED 478 PRESCHOOL PRACTICUM provides the early childhood education candidate with an opportunity to relate theory to practice in a preschool setting. Students will consider and reflect upon a variety of topics related to professionalism, developmentally appropriate practice, communication, instructional planning and strategies, differentiation for diverse learners, and assessment strategies as they complete pre-student teaching requirements. The practicum placement will be made in a childcare center or school-based preschool setting. Must be taken the semester prior to student teaching. Prerequisites: Upper Division Status. 3 Credits.

ED 479 ASSESSMENT AND INSTRUCTION FOR CHILDREN WITH SPECIAL NEEDS provides a foundation in effective and efficient assessment and instructional practices, as well as, the legal and ethical issues regarding the assessment of students with exceptional needs. The course will expose students to a variety of assessment methods and the administration of assessment tools appropriate for individuals with various exceptionalities and for determining eligibility for special education. This course will explore a range of assessment techniques, based on an ecological model of assessment which recognizes the impact of the assessment context on student performance. Emphasis is placed on those instruments and assessment methods which provide direction for instruction as well as diagnosis, including, but not restricted to: norm-reference assessment, curriculum-based assessment, observation, criterion-referenced assessment, authentic assessment, and alternative assessment techniques. Prerequisites: Upper Division Status. 3 credits.

ED 484 EDUCATIONAL/BEHAVIORAL MANAGEMENT IN SPECIAL EDUCATION includes individual and group behavior management, behavioral change strategies, and classroom management for students with and without disabilities. Principles of applied behavior analysis are discussed to promote appropriate academic and social behaviors and to decrease challenging behaviors in school settings. Creating positive learning environments that facilitate student learning and effective social interaction is emphasized. Special emphasis is placed on the student's ability to recognize, apply, and evaluate various strategies of management, and to conduct Functional Behavioral Assessments (FBAs) and develop Behavior Intervention Plans (BIPs). 3 credits.

ED 486 PRACTICUM IN ADAPTIVE PHYSICAL EDUCATION introduces the student to a clinical experience with an adaptive cohort. Must be taken simultaneously with ED 475. 0-1 credits.

ED 487 IMPLEMENTATION STRATEGIES IN SPECIAL EDUCATION provides an overview of implementation strategies for individuals with disabilities from early intervention to adult transition programs. Problem based learning is utilized to instruct students in writing IEPs/IFSPs and to serve on school-based teams that advocate for students with disabilities and their families. Additional topics include special education eligibility, service delivery models, introduction to cross-categorical concentration areas and Birth to three services. Prerequisite: Upper Division Status. 2 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 as an administrator in a childcare setting. Placement will be made with a director in a licensed childcare. Prerequisite: ED 461 or EDG 502. 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 still need to improve college level writing. This course focuses on English grammar usage, academic writing, and research skills. 3 credits.

ENG 100 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. 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 who would benefit from development of grammar skills, 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 provides practice and experience in reading and analyzing 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 is designed for the student with a good 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 a research project. 3 credits.

ENG 190 INTRODUCTION TO ENGLISH STUDIES provides an intensive introduction to concepts necessary for the study of literary and language studies, including major literary movements, basic principles of critical theory, literary research, and scholarly writing. English 190 is open to English majors, Secondary-Ed English majors, and others with permission of the department. Combined with either English 245 or 246, it fulfills the English 103 or 190/104 requirement in the Core Curriculum. 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 or 190. 3 credits.

ENG 246 CREATIVE WRITING is a workshop class for students interested in writing fiction, poetry, and drama. Sample works and student works will be used as a means to discuss theory, methods, style, and process. Prerequisite: ENG 104 or 190. 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 or 190. 3 credits.

ENG 305 ADVANCED GRAMMAR AND USAGE is intended for students with a solid background in grammar wishing to extend their knowledge and appreciation of grammatical principles. It is required of all English majors. Prerequisite: ENG 104 or 190. 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 or 190. 3 credit 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 or 190. 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 or 190. 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 or 190. 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, 190, 341, 342, 344, 345, 348, or 465. This course may not be substituted for any of these other Literature Courses. Prerequisite ENG 103 or 190. 3 credits.

ENG 348 WORLD LITERATURE II continues the chronological survey begun in ENG 347. The course includes a wide variety of literary styles, including texts from various Western and non-Western cultures and civilizations from the 17th Century to the present. This course does not duplicate any of the readings from ENG 103, 190, 341, 342, 344, 345, 347, or 465. This course may not be substituted for any of these other Literature Courses. Prerequisite ENG 103 or 190. 3 credits.

ENG 350 CLASSICAL AND MODERN RHETORIC provides an overview and study of the art of classical rhetoric, beginning with the ancient Greeks and culminating in twentieth century understandings and applications. Prerequisites: ENG 104, 190, or 245. 3 credits.

ENG 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, 190, or 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 or 190. 3 credits.

ENG 356 MODERN POETRY AND THE TRADITION studies twentieth century poetic conventions and contemporary poets in historical perspective. Prerequisite: ENG 103 or 190. 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 as an aid to understanding the present conventions of the genre. Prerequisite: ENG 103 or 190. 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 or 190. 3 credits.

ENG 360 ENVIRONMENTAL LITERATURE provides a focused look at the concept of nature in Western culture from ancient Rome through the 20th century by examining its representation in exemplar literary and philosophical texts. Prerequisite: ENG 103 or 190. 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. Prerequisite: ENG 103 or 190. 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. Prerequisite: ENG 103 or 190. 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. Prerequisite: ENG 103 or 190. 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 or 190. 3 credits.

ENG 475 LITERARY CRITICISM considers premise and methods of criticism. The course will survey the various modern approaches to literature, including formalist, genre, archetypal, and historical and provide exercises in practical criticism of literary work. Prerequisite: ENG 103 or 190 and Junior Standing. 3 credits.

ENG 495 SENIOR SEMINAR provides students the opportunity to develop a research project on an approved topic in English. This class is designed to integrate the humanities, literary criticism, and a Christian perspective on the arts, culminating in an oral and written presentation. Prerequisite: ENG 475. 3 credits.

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. above Finance should be Entrepreneurship

ENTREPRENEURSHIP

ENTR 250 LEGAL LANDSCAPE OF ENTREPRENEURSHIP provides students with the opportunity to learn and understand the legal landscape of protecting and advancing innovation and startup ventures. It covers an array of important issues that every emerging entrepreneur should know. Students will learn which corporate ownership structure best suits their needs, how and when to engage in the patent filing process to protect intellectual property, and fiduciary responsibilities for startup. 3 credits.

ENTR 290 SOCIAL ENTREPRENEURSHIP focuses within a Christian context to identify and address social and global challenges. Students will apply innovation, creativity, critical thinking, and risk-taking to solve various challenges from an entrepreneurial perspective. Business skills such as planning, opportunity analysis, financial management, forecasting, and resourcefulness are critical elements of this course. 3 credits.

ENTR 362 PLANNING NEW VENTURES presents students interested in starting their own business or non-profit enterprise an opportunity to learn how to write and present a business plan, include market analysis, financial projections, and operating plan. 3 credits.

ENTR 390 ENTREPRENEURSHIP PRACTICUM is an action-based learning module where students of all disciplines collaborate to work on entrepreneurial endeavors. Whether working to launch their own startup ventures or assisting existing startups reach into new and emerging markets, this course seeks to empower students to innovate, problem-solve, and adapt as they navigate the startup landscape. Entrepreneurship is both a mindset and a process. This course will cultivate, inspire, and draw out creative and innovative student skills. Students take a holistic approach to problem solving - immersing in their target market, and working individually or in a team to formulate and advance their idea. Grades will not be determined by whether or not a student launches a startup, but by the learning, problem solving, and collaboration that takes place. 3 credits.

EXERCISE PHYSIOLOGY

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. Analysis of testing and evaluation results will be used to design effective exercise programs. 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: EXPH 470. 4 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 470/47 I sequence. Involves the application of beginning and more advanced anatomical and physiological processes to human movement, physical performance and rehabilitation. Prerequisites: BIO 191/192. 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 a significant part of the course. 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 EXPH 495 Senior Seminar's research project. Prerequisites: MATH 205, EXPH 471. 2 credits.

EXPH 480 STRENGTH AND CONDITIONING PROGRAM DESIGN will examine the various anatomical and physiological aspects associated with strength and conditioning. This course will provide an application of exercise physiological and biomechanical principles to the design of strength and conditioning programs. 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: EXPH 470. 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 neuromuscular disease, cardiopulmonary disease, musculoskeletal disease, cancer, and metabolic 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.

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 203. 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, BUS 315 or MATH 205. 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, BUS 315 or MATH 205. 3 credits.

FIN 425 SECURITIES ANALYSIS is the study of investment choices and the analysis of each for the investment decision. Stocks, bonds, derivatives, and mutual funds are all examined. Understanding the characteristics of securities and how to evaluate them using financial spreadsheets and internet applications toward making a capital decision is emphasized. Prerequisite: FIN 310 and FIN340. 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.

FIN 498 SPECIAL TOPICS IN FINANCE offers courses designed to address current areas of interest in finance. Topics for the course may change with each offering and the course is scheduled based on student interest. 3 credits.

FASHION MERCHANDISING

FSH (MMU) 107 FASHION CONCEPTS AND CAREERS is an introduction to the dynamic global fashion industry with a focus on essential fashion terminology, identifying trends, and the fashion cycle. Students assess their unique strengths and skills in relation to the diverse career tracks the industry has to offer. 2 credits.

FSH (MMU) 109 INTRO TO ADOBE is an introduction to Adobe Photoshop and Illustrator software. Students learn basic software functionality and are introduced to how these programs are used in the fashion industry. Fee. 2 credits.

FSH (MMU) 235/235B TEXTILES offers analysis of the fabrics used in fashion with a focus on fibers, yarns, construction methods, and finishing. Study of the interrelationships among these components and their impact on value and performance related to consumer and professional decision making. Class includes a 1-credit lab component. Fee. 4 credits.

FSH (MMU) 265 GLOBAL RETAILING PRINCIPLES offers a comprehensive view of global multichannel retailing including consumer behavior, marketing research, retail brand positioning and strategy, store locations, operations management, merchandise assortment, pricing, and the integration of distribution channels. 3 credits.

FSH (MMU) 319 VISUAL PRESENTATION is an exploration of how fashion is presented through applied merchandising and marketing activities including floor sets, window presentations, mannequin styling, point of sale promotions, and special event sets. Application of principles through supervised experiences with retail stores. 3 credits.

FSH (MMU) 321 HISTORY OF COSTUME is the study of western fashion from ancient dress to the 20th century. This course explores the evolution of silhouettes, fabrics, garment details, accessories, and retailing; making use of Mount Mary's extensive historic costume collection. Prerequisites: FSH 235, ENG 104. Recommended Prerequisites: English Composition or Art History. 3 credits.

FSH (MMU) 322 PRODUCT ANALYSIS is a study of the principles used to evaluate ready-to-wear apparel based on target market preferences in terms of aesthetic, physical performance, and quality characteristics as they relate to perceived value. This course includes analysis of ready-to-wear construction techniques, and manufacturer's specification packages. 3 credits.

FSH (MMU) 331 TREND ANALYSIS is a discussion of current events and designer influences and learning how they translate into mass market fashion trends. Students research target market demographics and psychographics as they relate to the fashion cycle and explore digital and print fashion resources to project seasonal trends in color, fabrication, silhouette, and details; emphasis on the production of both digital and board presentations. Offered on campus every fall and in Paris every other January. Fee. 3 credits.

FSH (MMU) 346 PROFESSIONAL SEMINAR places an emphasis on professional development for merchandise management majors including the creation of a resume, cover letter, and portfolio. Professionals in the field will conduct an interview workshop. Students identify specific career goals and prepare accordingly. Prerequisite: Junior or senior status. Fee. 2 credits.

FSH (MMU) 367 MERCHANDISING WITH PLAN-O-GRAMS provides hands-on experience and knowledge of Plan-O-Grams using Visual Retailing software. Students create merchandising and space plans for retail environments using industry specific software to plan floor sets, lighting, and merchandise placement for various sized retail environments. Plans will be completed utilizing both hard and soft goods in challenging scenarios [for wall and floor sets. This course will include an additional experience in the design and building of store fixtures on the computer. Prerequisite: FSH 319. Fee. 3 credits.

FSH (MMU) 375 FASHION SHOW COORDINATION where students participate in the planning of the Mount Mary University fashion show. Class members form the steering committee that determines the theme, auditions models, and promotes this annual show held at an off-campus venue and drawing an audience of 1,500. This course provides an opportunity to work closely with professional resources in show production. Junior or senior status required. 3 credits.

FSH (MMU) 380 SPECIAL TOPICS: MERCHANDISE MANAGEMENT is a course designed to explore specific areas of interest in fashion design or merchandise management. The class may be offered for one, two or three credits and may be repeated for additional credits on different topics. 1-3 credits.

FSH (MMU) 398 INTERNSHIPS: FASHION CAREERS is a supervised work experience in an approved off-campus position as preparation for the challenges and responsibilities of a fashion career. Interns are required to reflect on their work experience through a journal and directed assignments. Performance evaluations by employer and faculty advisor are an integral part of the assessment process. Course may be repeated for a total of four credits. Offered either semester or summer. Prerequisites: Junior or senior status and 2.5 GPA overall and 2.5 major GPA in the Fashion Department. 2-4 credits.

FSH (MMU) 418 BUYING AND ASSORTMENT PLANNING is the application of merchandising principles to the planning, buying, controlling and selling of retail goods. Using Microsoft Excel students will learn the components of a six-month merchandise plan, preparation of an open-to-buy, and analysis of stock-to-sales ratios through computer simulations, retail math calculations, and guest speakers. Prerequisites: FSH 365. 4 credits.

FSH (MMU) 436 APPAREL INDUSTRY SEMINAR is a study of the apparel supply pipeline with emphasis on current issues and trends in the planning, production, and distribution of goods in a global marketplace. This course will be instructed through a multi-dimensional approach through lecture, group discussion, case studies, individual research, and guest speakers. Junior or Senior standing is required. 3 credits.

GEOGRAPHY

GEOG 220 CULTURAL GEOGRAPHY Cultural geography, or human geography, studies the interaction and integration of human achievements, needs and institutions based upon geographic location. Cultural geography investigates the development of food ways, popular culture, religion, economy, medicine, technology, crime, and human rights. In recent decades, the phenomenon of globalization has increased interconnectedness across borders transforming traditional, local cultures into global ones. Starbucks in Italy, Indian films winning American Oscars, and the increasing speed by which epidemics become pandemics characterize globalization. Fulfills core cross-cultural requirement. 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, submarine morphology, and marine organisms. Cross-listed (The World's Oceans) GEOG 246. Laboratory course. 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 WEATHER & CLIMATE 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 (Earth Science) SCI 235. 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 (Environmental Science) BIO 156. 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: (Ecology of the Tropics) BIO 367. 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 focuses on increasing proficiency in spoken and written German, using discussions and writing activities related to contemporary German culture. Prerequisite: GER 202 or 4+ years of successful high school German. 3 credits.

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 315 TOPICS IN GERMAN 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. Prerequisite: GER 202. 1 credit.

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 industrystandard 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 industrystandard 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 I. Studio Fee. 3 credits.

GD 463 GRAPHIC OUTLOOK IV Prerequisite: Graphic Outlook I. 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. Students will learn to recognize Greek vocabulary, to distinguish between the various parts of speech, to analyze Greek morphology, and to apply rules of syntax in order to create translations of elementary Greek texts that represent a synthesis of Greek vocabulary, morphology, and syntax. 3 credit hours.

GRK 202 GREEK II continues the presentation of elements of vocabulary, morphology, and syntax with a reading of simple Greek prose. Students will learn to recognize Greek vocabulary, to distinguish between the various parts of speech, to analyze Greek morphology, and to apply rules of syntax in order to create translations of elementary Greek texts that represent a synthesis of Greek vocabulary, morphology, and syntax. Prerequisite: GRK 201. 3 credit hours.

GRK 303 GREEK III completes the presentation of elements of vocabulary, morphology, and syntax with a reading of simple Greek prose. Students will learn to recognize Greek vocabulary, to distinguish between the various parts of speech, to analyze Greek morphology, and to apply rules of syntax in order to create translations of elementary Greek texts that represent a synthesis of Greek vocabulary, morphology, and syntax. Prerequisite: GRK 202. 3 credit hours.

GRK 304 GREEK IV consists primarily of intermediate narrative readings. These readings may come from any combination of the Gospels, the LXX, or the Church Fathers. Students will increase their knowledge of Greek vocabulary and further develop their understanding of Greek syntax. They will study the culture and genre in which the assigned texts were written while also learning about the transmission of the text of the Greek New Testament. Prerequisite: GRK 303. 3 credit hours.

GRK 403 GREEK V will consist primarily of intermediate epistolary readings from the New Testament or other Greek epistolary literature. Students will increase their knowledge of Greek vocabulary and further develop their understanding of Greek syntax. They will study the culture and genre in which the assigned texts were written while also learning about the textual apparatus used in critical editions of the Greek New Testament. Finally, they will produce an exegetical analysis. Prerequisite: GRK 304. 3 credit hours.

GRK 404 GREEK VI consists of advanced readings from the New Testament or other Greek literature. Students will increase their knowledge of Greek vocabulary and further develop their understanding of Greek syntax. They will study the culture and genre in which the assigned texts were written while also researching and writing on aspects of the Greek language. Finally, they will produce an paper on Greek grammar. Prerequisite: GRK 403. 3 credit hours.

GREEK 414 EPIC POETRY studies selected readings of such Greek poets as Babrius, Hipponax, Homer, Euripides, and Sophocles, with readings progressing from the relatively easy to the more difficult. The study of Greek prose may also be used to prepare students to read Greek poetry. Prerequisite: GRK 304. 3 credit hours.

GREEK 420 GREEK READINGS is a one credit readings course for students of all levels who wish to continue in the language in order to maintain their knowledge and ability in Greek. Prerequisite: GRK 303. 1 credit hour.

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. 1 credit.

HHP 120 WEIGHT TRAINING is designed to introduce the student to the principles and techniques of weight training through the use of weight machines and free weights. 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. 1 credit.

HHP 122 BADMINTON introduces the student to singles and doubles strategies along with developing serving style and basic strokes. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. Must be a physical education major and enrolled in HHP 208 simultaneously. 1 credit.

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 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 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 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 THEORY 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 THEORY 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 THEORY 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 THEORY 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 THEORY 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 THEORY 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 THEORY 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 191/192 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 191/192. 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 191/192. 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 191 and/or BIO 192. Primarily for Physical Education 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 191/192. 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 191. 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 191/192, 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 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 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 FOUNDATIONS 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 191/192, 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 ED 476. 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.

HHP 489 PRACTICUM IN ADAPTED 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.

HEBREW

HEBREW 301 HEBREW I presents elements of vocabulary, morphology, and syntax with a reading of simple Hebrew prose. Students will learn to recognize Hebrew vocabulary, to distinguish between the various parts of speech, to analyze Hebrew morphology, and to apply rules of syntax in order to create translations of elementary Hebrew texts that represent a synthesis of Hebrew vocabulary, morphology, and syntax. 3 credit hours.

HEBREW 302 HEBREW II presents elements of vocabulary, morphology, and syntax with a reading of simple Hebrew prose. Students will learn to recognize Hebrew vocabulary, to distinguish between the various parts of speech, to analyze Hebrew morphology, and to apply rules of syntax in order to create translations of elementary Hebrew texts that represent a synthesis of Hebrew vocabulary, morphology, and syntax. Prerequisite: HEB 301. 3 credit hours.

HEBREW 401 HEBREW III completes the presentation of elements of vocabulary, morphology, and syntax with a reading of simple Hebrew prose. Students will learn to recognize Hebrew vocabulary, to distinguish between the various parts of speech, to analyze Hebrew morphology, and to apply rules of syntax in order to create translations of elementary Hebrew texts that represent a synthesis of Hebrew vocabulary, morphology, and syntax. Prerequisite: HEB 302. 3 credit hours.

HEBREW 402 HEBREW IV consists primarily of simple to intermediate narrative readings. Students will increase their knowledge of Hebrew vocabulary and

further develop their understanding of Hebrew syntax. They will also study the culture and genre in which the assigned texts were written while learning about the transmission of the text of the Hebrew Old Testament. Prerequisite: HEB 401. 3 credit hours.

HEBREW 411 HEBREW STUDIES will consist primarily of intermediate readings from the Hebrew Old Testament. Students will increase their knowledge of Hebrew vocabulary and further develop their understanding of Hebrew syntax. This course will fit the specific needs or interests of the students involved. Prerequisite: HEB 402. 3 credit hours.

HEBREW 412 HEBREW READINGS is a one credit readings course for students of all levels who wish to continue in the language in order to maintain their knowledge and ability in Hebrew. Prerequisite: HEB 401. 1 credit hour.

HEBREW 413 HEBREW V will consist primarily of intermediate poetic readings from the Old Testament. Students will increase their knowledge of Hebrew vocabulary and further develop their understanding of Hebrew syntax, especially as that syntax and vocabulary are affected by the genre of poetry. They will also study the culture and genre in which the assigned texts were written while learning about the textual apparatus used in critical editions of the Hebrew Old Testament. Prerequisite: HEB 402. 3 credit hours.

HEBREW 414 HEBREW VI will consist of advanced readings from the Hebrew Old Testament. Students will increase their knowledge of Hebrew vocabulary and further develop their understanding of Hebrew syntax. They will also study the culture and genre in which the assigned texts were written. Prerequisite: HEB 413. 3 credit hours.

HISTORY

HIST 103 CIVILIZATION AND 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 surveys the history of the United States from pre-Columbian America to the present, and explores political, ideological, social and religious changes that have occurred in the American story. 3 credits.

HIST 163 NON-WESTERN WORLD surveys the peoples and cultures of modern Africa, Asia, the Middle East, the Pacific Rim, and South America, providing the students background to make sense of these increasingly important regions in the world. 3 credits.

HIST 208 HISTORY OF CHRISTIANITY offers a broad introduction to the history of Christianity, from its beginnings, through the Reformation, to the modern era. Major events, key figures, doctrinal developments, denominational distinctions and significant challenges to Christianity will be emphasized. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 210 HISTORY OF FOOD examines the history of food, beginning with the Neolithic revolution that gave rise to agriculture and animal domestication and ending with the quandaries over diet that plague modern society. The course will highlight food economically, socially and culturally, looking at how different societies have procured sustenance, and how they have attached different meanings to what they consume. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 215 THE CIVIL WAR explores the period 1861-1865 when the country was rent apart by the most divisive war in American history, the war which has to a large degree shaped current American political, economic, and social realities. Though the course will examine the historical context in which the war unfolded, the military aspects of the Civil War will receive significant attention. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 220 SPORTS OF THE WORLD explores global sport and its importance for and impact upon modern international society. The purpose of the course is to help students to frame sport, professional and amateur, in an appropriate historical and cultural context. This permits the student to better understand how sport transcends time and borders, unifies and divides, and creates heroes and goats that are remembered for generations. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 255 EMPIRES EAST AND WEST offers an introduction to the political construct of "empire" by studying various empires, from the Romans to the Soviets, using a comparative approach. Students will re-examine imperial imperatives of the past will reconsider contemporary opinions about the respective benefits of empire and nation states. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 221 THE ANCIENT WORLD examines the major cultures of the ancient Near East (Egyptian, Assyrian, Babylonian, etc.) from the earliest times to development of Archaic Greece, and in so doing offers a backdrop to the ancient world of the Old Testament and the classical era of the Greeks and Romans. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 235 RATS, MICE AND LICE: HISTORY OF DISEASES AND EPIDEMICS examines the global history of medicine and disease from antiquity until the 20th century. The overall theme is the biological and cultural impact of disease (especially epidemics) on society. The course focuses upon major historical infectious disease outbreaks e.g. plague, smallpox, AIDS, Ebola and examines the course of the disease, medical/health responses to the disease and the political/economic/cultural/social impacts upon the affected societies. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 240 ANCIENT CIVILIZATIONS surveys ancient civilizations across the globe (Asia, India, South America and North America), with particular emphasis upon religion, geography and culture. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 241 INTRODUCTION TO LATIN AMERICA explores the history and culture of Central and South America and the Caribbean from 1492 to the present. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 243 MODERN AFRICA examines the political, economic, social and ethnic issues confronting contemporary Africa. Various historical issues are explored in the course, including the Atlantic slave trade, 19th-century imperialism, colonialism, post-war decolonization, ethnic conflicts, AIDS and globalization. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 246 HISTORY OF JAPAN introduces the history of Japan, emphasizing Japan's distinctive cultural, spiritual, political, educational, artistic, and social life. The antecedents of modern Japan can be traced to ancient and feudal times. Students will explore comparisons and contrasts between the cultures of Japan and the United States. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 250 MODERN MIDDLE EAST surveys the rise and disintegration of the Ottoman Empire as well as later 20th-century developments in the Middle East, with particular emphasis on the Arab-Israeli conflict. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 270 ASIA ON FIRE surveys the various conflicts (including World War II, the Chinese Civil War, Korean War, etc.) occurring on the Asian continent and Pacific Rim during the 20th century with particular emphasis upon how these conflicts impacted the Asian peoples and their struggles for independence. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 277 BYZANTIUM overviews the history of the Byzantine Empire, starting with the division of the Roman Empire into Eastern and Western halves in the 4th century A.D. to the fall of Constantinople, the capital of the Byzantine Empire, to the Ottoman Turks in 1453. Students will explore political, cultural, religious and social aspects of the Empire as well as its relations with various regions, particularly Western Europe, the emerging Russia, and the Islamic world. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 284 IMPERIAL CHINA explores China's ancient history and introduces students to ancient Chinese culture through a number of cultural activities. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 285 MODERN CHINA examines China's modern history from the Qing dynasty to the present. It also introduces students to Chinese culture through a number of cultural activities. Fulfills core cross-culture requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 295 AMERICA AND VIETNAM examines the history of two quite different countries from the period of colonization to the fall of Saigon in 1975. Both countries will be studied in terms of political, economic, religious, social, and diplomatic trends. Particular consideration will be given to the impact the Vietnam conflict had upon the course of history in both the United States and Vietnam. Fulfills core cross-culture requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 309 EARLY AMERICA, 1492-1787 examines the early heritage of the United States from the Native Americans to the Constitution of 1787. The course explores such topics as the beginnings of our multi-cultural society, the growth of representative government, and the diverse economic and social values in early America. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 322 THE CLASSICAL WORLD surveys the history of Classical Greece, the Hellenistic World, Ancient Rome, and early Christianity with emphasis upon political, social, religious, and cultural elements. Students will explore how these cultures influenced each other and the modern world. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 325 THE CITY AND AMERICAN CULTURE surveys the history of the city in American society and culture between 1850 and the present. Students will critically explore the many ways that Americans have thought about urban space through an examination of various cultural conceptions of the city as depicted in sensationist literature, photographs, films, music and scholarship. From "fallen women" to the "New Woman" to the suburban housewife; from con men, to gangsters, to gangstas; and from ethnic violence to racial riots, we will trace the ways that the city has been imagined and reimagined. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 330 HISTORY OF MODERN EUROPE studies developments in European social, political, economic, religious, and cultural history from the French Revolution to the present. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 351 INDUSTRIAL AMERICA, 1861-1920 explores the development of the United States from an agrarian to an industrial nation and from a hemispheric to a world power. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 352 UNITED STATES AS A WORLD POWER, 1920-PRESENT studies the political, economic, social, and intellectual development of the United States since World War I. Several important events and representative figures of the period will be studied in depth. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 356 THE MIDDLE AGES surveys the political, economic, religious, cultural and social development of Europe from the fall of the Roman Empire through the 14th century. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 358 RENAISSANCE/REFORMATION EUROPE presents an overview of European history from the 13th to the 17th centuries, with especial emphasis upon the Renaissance and Reformation. Students will explore how these movements impacted the development of Western Civilization in general and Europe in particular. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 360 REVOLUTIONARY EUROPE surveys the history of Europe in the 17th and 18th centuries, a period during which Europe experienced revolutions of all kinds—political, religious, scientific, technological, military, economic—and witnessed some of the greatest political, cultural and intellectual changes in European history. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 363 WOMEN IN AMERICA introduces students to significant worldviews and major events that affected women's history in the United States. The students will examine women's involvement within the major social institutions of America, and what role women have played in economics, education, family, politics, and religion from early settlement to current times. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 364 AMERICAS explores the twentieth-century history of Central and South America and the Caribbean in a multidisciplinary fashion. Fulfills core cross-cultural requirement. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 380 AMERICAN REPUBLIC, 1788-1860 studies the history of the United States from Washington's administration to the Civil War, exploring the political, economic, social, and intellectual growth of the nation. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 385 HISTORICAL METHODS introduces students to the nature and theory of history through the study of past developments in historical research and writing. Students will explore the work of the historian and the concept of historiography through various exercises. In addition, students will consider the meaning of history, particularly from the Christian perspective. Prerequisite: HIST 103 and junior or senior standing. Offered Fall semester only. 3 credits.

HIST 386 MEDIEVAL WORLD: KINGS, KNIGHTS, DAMSELS AND DRAGONS approaches the subject of the Middle Ages in a way different from the traditional approach of either English or History in that it will focus on exploring the medieval worldview through an examination of documents, literary works and artifacts utilizing the disciplinary methodologies of English and History. As an interdisciplinary course, students will use and synthesize methodologies from both academic disciplines to engage the complexities of the medieval period. Cross-listed with ENG 386. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 387 FIELD EDUCATION IN HISTORY offers various opportunities for students to gain practical experience through service in the field of History particularly as a student mentor for HIST 103. Student interns will work under the supervision of a faculty supervisor. Prerequisite: Consent of the instructor. 3-6 credits.

HIST 389 AMERICA'S GAME: FOOTBALL AND SOCIETY offers perspectives on American society by examining a sport that from small town high school fields, through historic college stadiums to the majesty of the Super Bowl has captured the American spirit. The growth in the popularity of the sport coincided with the rise of the U. S. as a global power. Students will examine the rise of the NCAA, development of professional football, standardized rules, urbanization, race relations, and team relocations. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 390 BASEBALL IN AMERICA surveys the history of the United States through a very distinctive lens, that of baseball. Besides examining the game itself, the course will explore baseball's experience with race and gender issues, urbanization and industrialization, immigration and labor issues, professionalization, community loyalty and the role of the individual in American society. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 392 TRAVEL-STUDY offers the student a chance to explore civilization, culture and history through an academic course combined with a travel experience. The topics of the travel-study will rotate each year, but can include study of the Renaissance or Roman civilization with a trip to Italy; the history of modern and classical Greece with a trip to Greece; or the history and psychology of war, with a trip to England and France. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 401 HISTORY OF EDUCATION IN THE WESTERN TRADITION surveys the history of education in the West, beginning with classical Greece and Rome and proceeding through various periods of history to 20th-century American education. Students will read selections from landmark figures in the history of education, such as Aristotle, Cicero, Quintilian, Vergerius, Luther, Melancthon, Rousseau, and Dewey, and will examine the objectives, ideals, theories and historical contexts of education over time and place. This study will provide the context for an evaluation of education in the contemporary Western world. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 420 NATIONAL HISTORY examines the history of a specific European country (England, France, Germany or Russia), exploring political, social, economic, religious, and other factors. The course will examine one nation; the nation under study will rotate from year to year. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 463 TOPICS IN WESTERN HISTORY provides the student with the opportunity to explore a theme, question or topic in Western history in an in-depth fashion in a seminar-style course. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 464 TOPICS IN AMERICAN HISTORY provides the student with the opportunity to explore a theme or question in American history in an in-depth fashion in a seminar-style course. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 465 TOPICS IN GLOBAL HISTORY provides the student with an opportunity to explore a theme, question, or topic in global history in an in-depth fashion in a seminar-style course. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 466 THE AMERICAN IDEA surveys the intellectual history of the United States as it intersected with American society, and will feature particular groups in the country's history, from the Puritans to the conservative movement of the late 20th century. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 475 THE REFORMATIONS consists of an in-depth study of the Reformations of 16th-century Europe, including the Lutheran, Calvinist and Catholic. The student will be given the opportunity to explore in depth the ideas (theological, political, educational, etc.) and the major themes (salvation, individualism, fracturing of the Catholic Church into different denominations, education, religious war, religious toleration, etc.) through directed readings of selected texts, individual research and group projects. Prerequisite: HIST 103 or consent of the instructor. 3 credits.

HIST 480 HISTORY INTERNSHIP provides the student with the opportunity to gain practical experience in the field of History through such activities as working with a local historical society, or engaging in an advanced research project. The student will work under the supervision of a faculty advisor. Prerequisite: HIST 103 and HIST 385 and consent of the instructor. 3-6 credits.

HIST 490 SENIOR HISTORY SEMINAR is the culminating undergraduate experience in which the student will study history by researching, writing, and presenting a piece of original historical work. Prerequisite: HIST 385 and senior standing. Offered Fall and Spring semesters. 3 credits.

HOSPITALITY AND EVENT MANAGEMENT

HEM 210 - EXHIBITION OF SPECIAL EVENT MANAGEMENT This course challenges students to understand the breadth and industry standards relative to planning, implementing, evaluating and managing trade shows, exhibitions, conventions and conferences, and/or hallmark caliber events. Students will test and analyze hypothetical events and review case studies in order to prepare in-depth analysis of the proposed events, offering detailed support or critique based on their review. 3 credits.

HEM 220 - CONCESSION, CATERING, AND VENDOR OPERATION MANAGEMENT This course introduces students to the food, beverage, merchandise, and vendor relations side of hospitality and event management. This course provides the student with a diverse background of current industry knowledge in a variety of simulated professional environments allowing students to explore conventions, private event space(s), athletic facilities, and more. 3 credits.

HEM 230 CEREMONIAL MANAGEMENT This course introduces students to a variety professional and ceremonial special events (inclusive of wedding planning) and conventions that require an understanding of agendas, guest speakers, entertainment, brands, and professional groups (large and small). The social, political, economic, cultural, religious and historical influences on wedding planning decision-making and business strategies will be explored. Students will creatively design agendas, floor plans, and programs suitable for assigned events. Students will be explore banquet and symposium planning, convention planning, and ceremonial planning through simulated events. Practices relevant to successful ceremonial planning and consultancy for diverse clients and settings will be reviewed.

HEM 240 - FINANCIAL ASPECTS OF HOSPITALITY AND EVENT MANAGEMENT This course provides an in-depth analysis of the financial aspects of the hospitality and event management industries. This course emphasizes the importance of financial responsibility and industry knowledge as a whole. Topics include understanding budgets, profit margins, ROI (return on investment), budget design, cost of goods sold, inventory costs, and purveyor relations. 3 credits.

HEM 290 INTRODUCTION OF HEM This Introduction to Hospitality, Event & Entertainment course examines the principles of the entertainment and hospitality industries. This course focuses on the applications of industry knowledge and exposes students to the fundamentals and best practices of hospitality, event and entertainment management. This class provides students with an in-depth look at the challenges and opportunities that are routinely faced by a manager in the context of events at entertainment, sport and event facilities.

HEM 453 HEM POLICY This course is designed to look at the total environment of hospitality and event management as viewed by top managers in the field. Concepts developed in other business and hospitality and event management courses will be implemented in research of topics. Actual hospitality and event management issues currently being addressed at an organization or institution will be studied. Prerequisite: Senior standing in major.

HEM 420 EVENT PRODUCTION AND MANAGEMENT This course is designed to acquire an in-depth knowledge about the specialized field of event management; emphasis will be placed on the following broad based sectors including but not limited to sport, entertainment, and hospitality industries. Students will be provided with a complete understanding of management techniques and strategies required for successful planning, promotion, implementation, and evaluations. Students will study objectives, strategies, and tactics of event management; identify costs for events and potential revenue streams; select host cities and venues; understand the event planning process; and understand the accommodation and management of guests at events. Emphasis will be placed on the simulated production and management of an actual event. 3 credits.

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. 3 credits.

JPP 110 JUVENILE JUSTICE 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 150 INTRODUCTION TO PROBATION AND PAROLE provides an introduction to probation, supervised release and parole in the American Criminal Justice System. Students will gain an understanding of probation, parole and supervised release, administration, policy and procedures as well as insight into the best practices currently being utilized in the field. Also, this course provides insight into the difficult, but interesting work performed by probation officers and techniques utilized to manage their caseloads. 3 credit hours.

JPP 206 CORRECTIONS IN AMERICA 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 245 CRIMINAL JUSTICE RESEARCH METHODS will acquaint the student with the various research skills and methods used in this discipline. Both quantitative and qualitative research strategies will be discussed, as well as issues in measurement, research design, and hypothesis formation. 3 credits.

JPP 255 STRESS MANAGEMENT introduces techniques and strategies developed for coping with or lessening the psychological, physical, and emotional effects of everyday life pressure when working in the criminal justice system, thereby improving job performance. 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 LAW provides the student with an understanding of the interaction of public administrative agencies with the more established sectors of government, specifically, the legislature and judiciary. This is acquired in part through analysis of the U.S. Constitution, enabling legislation, and the Administrative Procedure Act. The student develops an appreciation of the breadth of influence of these agencies, and the role of law in legitimizing and limiting the role of bureaucracies. 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 INVESTIGATION studies crime scene investigation. 3 credits.

JPP 313 ORGANIZED CRIME studies the history, structure and operations of organized crime. 3 credits.

JPP 350 -359 SPECIAL TOPICS IN CRIMINAL JUSTICE offers courses designed to address criminal justice topics identified as attitudes, current events, knowledge, skills, and behaviors pertinent to examining the occupational, practical, and technological aspects of criminal justice. Topics for this course may change with each offering. 3 credit hours

JPP 399 CAREERS & INTERNSHIPS IN CJ presents the numerous career opportunities in the criminal justice field, while exploring opportunities to exercise in a practical manner, the skills, knowledge and responsibilities of a criminal justice practitioner. 3 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.

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.

LEGL 379 RELIGION AND THE LAW examines law as both a consequent derivation and natural expression of religion, as in the Babylonian tradition (Code of Hammurabi), Judeo-Christian Biblical tradition, and Muslim tradition (Quran); and, as a consequent manifestation of secular political structures charged with regulating religion within society. The course will consider classical formulations of legal theory such as Divine Command theory, Legal Positivism, and Natural Law theory. Particular attention will be paid to First Amendment issues in American jurisprudence as well as the regulation of controversial issues such as civil disobedience, abortion, euthanasia, same-sex marriage, transgender accommodations, the death penalty, freedom of religion (as in the Hobby Lobby case), free speech of religious groups (such as the Westboro Baptist Church case), school prayer, and school choice. The course will also consider some issues in international law such as the protection of religious minorities within the boundaries of other sovereign nations. Cross-listed with PHIL 379. 3 credits.

LIBERAL ARTS

LA 101 CAREER EXPLORATION guides undecided, unsure, or major changing students in the path to their career. Through self-assessment, industry research, and action planning, this class serves to help students find and realize their God given talents in pursuit their career and vocational path.

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.

MANAGEMENT

MGMT 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.

MGMT 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.

MGMT 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: MGMT 130, sophomore standing or consent of instructor. 3 credits.

MGMT 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: MGMT 130. 3 credits.

MGMT 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, material requirements planning, quality control, and work design. Prerequisite: Math 205 or BUS 315. 3 credits.

MGMT 450 INTERNATIONAL BUSINESS MANAGEMENT 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: MGMT 130. 3 credits.

AL 266 STAFFING introduces students to the principles and functions of staffing to enable the design and management of a successful staffing process, including legal compliance, internal and external recruitment, interviewing, and retention. Prerequisite: MGMT 336 Human Resource Management. 3 credits.

AL 269 WORKPLACE HEALTH AND SAFETY will provide students with the basic knowledge and principles of the field of occupational safety and health. This course is designed to provide students with an understanding and appreciation for the fundamental safety technology and management needs of the safety director. Prerequisite: MGMT 336 Human Resource Management. 3 credits.

AL 472 MANAGING CHANGE engages students in the analysis of an organization's needs and the development of a plan to influence major organizational change from the human resources perspective or the managerial perspective. Prerequisite: MGMT 336 Human Resource Management and MGMT 130 Principles of Management. 3 credits.

MBA 615 EMPLOYMENT AND LABOR RELATIONS studies the management and administration issues related to group and individual performances and their effective contributions to the organizational objectives. Strategies for successful self-management, team building, and delegation will be emphasized. 3 credits.

MARKETING

MKTG 131 PRINCIPLES OF MARKETING studies the basics of the role of marketing in society and within the firm. This course 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: publics, media use, message preparation and dissemination, strategy, and ethical and legal concerns. Crosslisted as COMM 223. 3 credits.

MKTG 304 RETAIL MARKETING examines the interrelationships of the various facets of retailing as a set of marketing activities. Retailing is the marketing and sale of goods and services to the ultimate consumer for personal, family or household use. Consequently, the course presents the strategic processes of determining location, product selection, merchandising, promotion, customer service, and pricing as they contribute to successful retail marketing. Prerequisite recommended: MKTG 131. 3 credits.

MKTG 325 PROMOTION AND ADVERTISING analyzes 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 (B2B) and business-to-consumer (B2C) operations. Topics covered in the course include benefits and limitations of E-commerce (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. Prerequisite: MKTG 131. 3 credits.

MKTG 422 MARKETING MANAGEMENT studies the integrated management of all aspects and components of the marketing function. It also studies how the marketing function interrelates with the other major functions of a business. Topics covered: marketing mix and how adjustments of the mix can provide solutions to marketing problems, how leadership (marketing management) affects marketing practices, marketing planning, marketing resource allocation, marketing information systems, analyzing consumer and business markets, market segmentation and forecasting, marketing strategies, managing product lines and brands, pricing, channel selection and management, marketing communications. 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; examining the problems, opportunities, considerations, and public policies particular to marketing across national boundaries. This course focuses on applying sound marketing principles to international situations. Therefore, emphasis will be placed on case analysis, and acquiring detailed information about the country or region where a firm might engage in international marketing. 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. For B.S.N. Completion students only. 3 credits.

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 322 PROBABILITY FOR ACTUARIES studies general probability theory, univariate probability distributions, multivariate probability distributions including conditional and marginal. Prerequisite: MATH 205 and MATH 203. 3 credit hours.

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 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 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 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 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. 2 credits.

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. 3 credits.

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. 3 credits.

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. 3 credits.

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 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 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. 3 credits.

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. 3 credits.

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. 3 credits.

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. 3 credits.

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.

MUSIC

MUS 080 RECITAL/CONCERT/CONVOCATION is for 0 credits, however, attendance is required of all music majors every semester. Passing 7 of 8 semesters of MUS 080 is required before proceeding to recital. In order to satisfy this requirement, evidence of 4* attended programs each semester must be filed 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. If a student needs to be excused from convocation due to a class conflict, he or she must clear it with advisor.
0 credits.

MUS 100 PIANO CLASS FOR BEGINNERS provides group instruction emphasizing the development of basic keyboard skills and instruction in reading both G and F clef notation. Placement given after obtaining "Applied Music Permit" card from the Music office. 3 credit hours.

MUS 130 GUITAR CLASS is a beginning level applied guitar course with an emphasis on basic classical/finger style technique. Previous knowledge of music and/or guitar is not required. The course will teach the basics of single note-reading, basic chords, and the application of basic chord to beginning song accompaniment. 1 credit hour.

MUS 171 CREATIVE ARTS – MUSIC provides students with an opportunity to experience music in its many forms by learning the elements of music and studying how these elements are used in various styles. This course is for non-music majors only. 3 credit hours.

MUS 180 CHAPEL RINGERS consists of 11-13 handbell ringers, and performs primarily for on-campus chapel services and concerts. Membership is by audition only - preferably for the entire academic year. 1 credit hour.

MUS 181 SYMPHONIC 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, and performs in both worship and concert settings. Participation in annual winter tour is required. Membership is by audition only. 1 credit hour.

MUS 182 CHAPEL CHOIR is a large mixed ensemble of up to 60 voices that 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 hour.

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. Participation is expected for the entire academic year. Membership is by audition only. 1 credit hour.

MUS 185 THE ALLELUIA RINGERS is a select handbell choir of 13 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 hour.

MUS 187 FALCON PEP BAND is an instrumental ensemble with a repertoire of high-energy, high-volume popular music performed at designated home football and basketball games. 1 credit hour.

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. Membership is by audition only. 1 credit hour.

MUS 190 STRING ENSEMBLE/CHAMBER ORCHESTRA is a dual format ensemble which covers the historical span of string repertoire from Baroque to 20th Century. Fall semester concentrates on string orchestra; spring semester adds requisite wind, brass and percussion. 1 credit hour.

MUS 191 SELAH is a select ensemble for women's voices that performs at a variety of campus and off-campus activities. Preference is given to those who demonstrate solid choral background. Ordinarily participation is expected for the entire academic year. Membership is by audition only. 1 credit hour.

MUS 192 UNIVERSITY BAND is an instrumental ensemble that gives students the opportunity to continue to use instrumental musical skills on campus in a concert band setting. UBand performs a repertoire of sacred and secular music at concerts throughout the academic year. Membership is by audition only. 1 credit hour.

MUS 197 CONCORDIA CIVIC CHORALE is a large mixed ensemble that sings for on-campus performances. Open to all students, faculty and staff, alumni, and community members. Membership is by audition only. 1 credit hour.

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 offered every fall semester. Prerequisite: MUS 240 & 241 or permission of the instructor. 2 credit hours.

MUS 240 MUSIC THEORY I enables students to explore musical concepts through analysis, sight-singing and aural training, and composition. Harmonic studies include primary chords in root positions and cadential preparations. A grade of "C" or better is required to advance to MUS 241. 3 credit hours.

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 credit hours.

MUS 242 MUSIC THEORY III is a continuation of Music Theory II with special emphasis on secondary functions, modulation, altered chords, and chromatic harmony. Prerequisite: MUS 241 or consent of instructor. A grade of "C" or better is required to advance to MUS 243. 3 credit hours.

MUS 243 MUSIC THEORY IV is a continuation of Music Theory III with special emphasis on extended harmonies, formal analysis, and twentieth-century techniques. A grade of "C" or better is required to continue in the music department class sequence. Prerequisite: MUS 242. 3 credit hours.

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 credit hours.

MUS 271 MUSIC HISTORY I surveys the history of music from the Medieval through the Baroque periods. It 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. The class encourages, develops and reinforces analytical and research skills. Prerequisite: MUS 241 or consent of instructor. 3 credit hours.

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. 3 credit hours.

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. This course allows the student to gain practical experience in applying concepts learned in both individual and group settings. 2 credit hours.

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 credit hours.

MUS 356 TECHNIQUES OF TEACHING BRASS includes instruction in the physiology of the brass embouchure and its development. This class covers the basic techniques for teaching tone and technique on trumpet, French horn, euphonium, trombone and tuba from elementary to high school levels. It also includes some literature reference and application of solo and ensemble performance. 2 credit hours.

MUS 357 TECHNIQUES OF TEACHING WOODWINDS includes instruction of the physiology of the woodwind embouchure and development. This course covers the basic technique for teaching tone and technique on flute, oboe, clarinet and saxophone. 2 credit hours.

MUS 358 TECHNIQUES OF TEACHING PERCUSSION includes instruction in the physiology of the percussion grip and its development. This course covers the basic techniques for teaching technique and rudiments on snare drum, bass drum, timpani, auxiliary and mallet percussion and includes some literature references and application of solo and ensemble performance. 2 credit hours.

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. This class also includes some literature references and application of solo and ensemble performance. 2 credit hours.

MUS 399 JUNIOR RECITAL provides experience in applied music. This course may be taken in place of the student's applied music courses in the semester during which the recital is given. Prerequisite: Departmental approval. 1 or 2 credit hours.

MUS 422 ORGAN LITERATURE surveys the vast and varied gamut of organ literature, especially music appropriate for worship, including discussion of registration and performance practice. 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 musician as composer and arranger. Assignments related to the specific needs of the parish and school: orchestration, harmonization, arrangement and composition of original material. Prerequisite: MUS 242 or consent of instructor. 3 credit hours.

MUS 461 MUSIC IN WORSHIP explores the principles and practice of liturgical music in Lutheran worship. The study includes historical background but stresses practical current issues. 3 credit hours.

MUS 465 SURVEY OF CHRISTIAN HYMNODY explores the development of hymnody from Bible times to the present and helps develop knowledge of the large scope of hymnic literature and its ever-changing usage in worship. 3 credit hours.

MUS 469 ISSUES IN CHURCH MUSIC identifies current significant worship issues facing church musicians, provides opportunities for comparing and contrasting approaches to dealing with these issues, and acquaints the student with important resources for making effective decisions in the current American worship milieu. 3 credit hours. Prerequisite: Admission to the Graduate in Church Music Program or by consent of the instructor.

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 credit hours.

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 credit hours.

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. 1 or 2 credit hours.

Required for K-12 Education but credited through the Education Department – ED 379 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 credit hours.

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).

MUS 201, MUS 301	Applied Piano	1-2 cr./sem.	MUS 233, MUS 333	Applied Percussion	1-2 cr./sem.
MUS 211, MUS 311	Applied Voice	1-2 cr./sem.	MUS 234, MUS 334	Applied String	1-2 cr./sem.
MUS 221, MUS 321	Applied Organ	1-2 cr./sem.	MUS 235, MUS 335	Applied Guitar	1-2 cr./sem.
MUS 232, MUS 332	Applied Brass	1-2 cr./sem.	MUS 236, MUS 336	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 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. Course Prerequisites: NURS 203, NURS 222, NURS 232, and NURS 250. Prior or concurrent enrollment in NURS 255, and concurrent enrollment in NURS 212 and NURS 213. 3 credits.

NURS 203 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. Prerequisites: BIO 149, BIO 191, BIO 192, CHEM 105 3 credits .

NURS 212 GERONTOLOGICAL NURSING PRACTICUM provides guided clinical experience correlated with theoretical content of NURS 202, NURS 203, NURS 213, NURS 222, NURS 232, NURS 250 and NURS 255. Course Prerequisites: NURS 203, NURS 222, NURS 232 and NURS 250. Prior or concurrent enrollment in NURS 255 and concurrent enrollment in NURS 202, NURS 213. 2 credits.

NURS 213 FOUNDATIONAL NURSING SKILLS I focuses on professional psychomotor nursing skills and therapeutic communication that complements didactic content of NURS 202. Provides reinforcement of psychomotor experiences in the clinical setting. Prerequisites: NURS 222 and NURS 250. Concurrent enrollment in NURS 202, NURS 212 and NURS 255. 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. Concurrent enrollment in NURS 250. Prerequisites: BIO 149, BIO 191, BIO 192 & CHEM 105. 3 credits.

NURS 232 WELLNESS ASSESSMENT 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 149, BIO 191, BIO 192, CHEM 105. Prior or concurrent enrollment in NURS 203, NURS 222 and NURS 250. 3 credits.

NURS 250 NURSING PHARMACOLOGY I is an introductory course designed to assist nursing students in developing an understanding of the basic concepts of pharmacology. This course includes drug safety across the lifespan and drug therapies for patients with neurologic, and endocrine systems disorders as they relate to attaining, retaining, or maintaining patient health. 2 credits.

NURS 255 NURSING PHARMACOLOGY II builds on Nursing Pharmacology I to help students apply the basic concepts of pharmacology. The course introduces students to drug therapies related to renal, cardiac, reproductive health, respiratory, and gastrointestinal systems, and the chemotherapy of infectious diseases as related to attaining, retaining, or maintaining patient health. 2 credits.

***NURS 301 DIMENSIONS OF PROFESSIONAL NURSING** In this course, students are introduced to the mission and philosophy of Concordia University and the School of Nursing, nursing as a profession, and role expectations for the baccalaureate-prepared nurse. Students explore the theoretical foundations of nursing and apply them to current nursing practice. Legal and ethical aspects of professional nursing are studied. Course activities allow students to further develop and apply oral and written communication skills. 3 credits.

NURS 303 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. Concurrent enrollment in NURS 315. 3 credits.

***NURS 305 TRENDS IN PROFESSIONAL NURSING** prepares students for future trends in healthcare, including advancements in genetics, genomics, informatics, and related legal and ethical issues in nursing practice. Prerequisite: NURS 301. 3 credits.

NURS 313 FOUNDATIONAL NURSING SKILLS II focuses on professional psychomotor nursing skills and therapeutic communication that complements didactic content of NURS 310. Provides reinforcement of psychomotor experiences in the clinical setting. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 255. Concurrent enrollment in NURS 310 and NURS 311. 1 credit.

NURS 315 PSYCHOLOGICAL WELLNESS PRACTICUM provides guided clinical practice within both acute and chronic mental health settings. Concurrent enrollment in NURS 303. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 255. 1 credit.

NURS 316 ALTERATIONS IN ADULT HEALTH I focuses on evidence-based nursing care and critical thinking experiences that address the needs of adults experiencing chronic illness. Concepts of promotion, maintenance, and restoration of health are emphasized. Students will acquire and integrate knowledge and skills vital to identifying physiological, psychological, sociocultural, nutritional, developmental, and spiritual variables affecting health. Attributes of professionalism, including interpersonal skills to promote interprofessional patient and family-centered care, are integrated throughout the course. Prerequisites: NURS 202, NURS 212, NURS 213, NURS 232, NURS 255. Concurrent enrollment in NURS 317. 3 credits.

NURS 317 ALTERATIONS IN ADULT HEALTH I PRACTICUM gives students opportunities to provide guided nursing care in diverse settings to patients experiencing chronic illness and their families. Students apply the concepts learned in NURS 316 and prerequisite courses. Concurrent enrollment in NURS 316. 2 credits.

NURS 335 NURSING RESEARCH introduces students to the research process, synthesis of research findings and application of evidence in practice. Prerequisites: Previous or concurrent enrollment in NURS 316, NURS 317. 3 credits.

***NURS 336 NURSING RESEARCH FOR RNS** introduces students to the research process, synthesis of research findings and application of evidence in practice. Prerequisites: MATH 130, NURS 301. 3 credits.

NURS 340 COMMUNITY WELLNESS focuses on nursing responsibilities in assisting individuals, families, and groups to meet stressors and retain, attain, and maintain system stability within the community setting. Concurrent enrollment in 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. Concurrent enrollment in NURS 340. Prerequisites: NURS 202, NURS 212, NURS 213 & NURS 255. 1 credit.

***NURS 342 POPULATION HEALTH** provides an overview of the concepts and theories related to public health/community nursing. It explores role of the nurse in developing and implementing preventions for sustaining and promoting health among diverse populations in the community. Principles of epidemiology, public health, population-focused practice, and community assessment are included. Students will be immersed in the role expectations of the community based nurse via a virtual clinical experience. Prerequisites: NURS 301, NURS 336. 4 credits.

NURS 344 ALTERATIONS IN ADULT HEALTH II Built on the concepts discussed in NURS 316, this course focuses on evidence-based knowledge and critical thinking experiences that address the needs of adults experiencing acute illness. Concepts of promotion, maintenance, and restoration of health are emphasized. Students acquire knowledge and skills vital to identifying physiological, psychological, sociocultural, nutritional, developmental and spiritual variables affecting health. Attributes of professionalism, including interpersonal skills to promote interprofessional patient and family-centered care are integrated throughout the course. Prerequisites: NURS 316, NURS 317. Concurrent enrollment in NURS 347. 3 credits.

NURS 347 ALTERATIONS IN ADULT HEALTH II PRACTICUM gives students opportunities to provide guided nursing care in diverse settings to patients experiencing acute illness and their families. Students apply the concepts learned in NURS 344 and prerequisite courses. Concurrent enrollment in NURS 344. 2 credits.

***NURS 360 CULTURAL DIVERSITY IN NURSING** focuses on developing an appreciation for diversity and strategies for providing culturally congruent competent nursing care to a multi-cultural society. Prerequisite: Senior standing. 3 credits.

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 patients requiring advanced nursing management and clinical reasoning skills in an acute medical-surgical setting. Prerequisites: NURS 335, NURS 345, NURS 346. Concurrent enrollment in NURS 400. 2.5 credits.

NURS 410 MEDICAL-SURGICAL NURSING IV Continuing focus on nursing management and clinical reasoning used in assisting patients experiencing major and/or complex alterations in wellness in the medical-surgical setting. Prerequisites: NURS 400, NURS 401. Concurrent enrollment in NURS 440, NURS 441. 3 credits.

NURS 422 FAMILY-CENTERED NURSING: PEDIATRICS introduces students to the stressors encountered and nursing preventions required to retain, attain, and maintain system stability with pediatric patients and their families. Prerequisites: NURS 335, NURS 345, NURS 346. Concurrent enrollment in NURS 423. 3 credits.

NURS 423 FAMILY-CENTERED NURSING: PEDIATRIC PRACTICUM provides guided clinical experience with childrearing families in a variety of settings

and agencies. Concurrent enrollment in NURS 422. 1 credit.

NURS 425 FAMILY-CENTERED NURSING: OBSTETRICS & WOMEN'S HEALTH focuses on stressors encountered and nursing preventions required to retain, attain, and maintain system stability throughout a woman's life, from menarche through post-menopause. Content includes gynecologic health concerns, obstetrics, and neonatal care. Prerequisites: NURS 335, NURS 345, NURS 346. Concurrent enrollment in NURS 426. 3 credits.

NURS 426 FAMILY-CENTERED NURSING: OBSTETRICS & WOMEN'S HEALTH PRACTICUM provides guided clinical experience with childbearing families and women's health in a variety of settings. Prerequisites: NURS 335, NURS 345, NURS 346. Concurrent enrollment in NURS 425. 1 credit.

NURS 440 LEADERSHIP & MANAGEMENT IN AN EVOLVING HEALTHCARE SYSTEM explores the principles of effective leadership and management skills in managing the health needs of individuals and groups. Prerequisites: NURS 400, NURS 401. Concurrent enrollment in NURS 410, NURS 441. 3 credits.

NURS 441 LEADERSHIP & MANAGEMENT PRACTICUM: IN AN EVOLVING HEALTHCARE SYSTEM affords students the opportunity to apply the principles of effective leadership/management skills in the clinical setting. Prerequisites: NURS 400, NURS 401. Concurrent enrollment in NURS 410, NURS 440. 2.5 credits.

***NURS 442 LEADERSHIP: THE FUTURE OF NURSING** presents the principles of leadership and management as they relate to the role of nurse leader/manager and professional in any health care setting. The focus is on critical analysis of management, and leadership concepts. Prerequisites: NURS 301, NURS 336, NURS 342. 3 credits.

NURS 451 GLOBAL EDUCATION COSTA RICA allows students to study and experience the history, culture, and health beliefs of Costa Rica through a short-term immersion experience. Prerequisite: Junior or senior nursing status. 3 credits.

NURS 452 GLOBAL EDUCATION MEXICO allows students to study and experience the history, culture, and health beliefs of Mexico through a short-term immersion experience. Prerequisite: Junior or senior nursing status. 3 credits.

NURS 453 GLOBAL EDUCATION COSTA RICA IMMERSION This experience is designed to allow students to study and experience Costa Rica's history, culture, and health beliefs in a setting different from their own. Students will examine their own cultural beliefs and values in order to become more aware of what culture is. Health promotion activities, identification of health problems, the impact of globalization and trans-national collaboration will be discussed during a three-week immersion experience. This immersion experience includes a home stay with a host family and Spanish language study. Prerequisites: Sophomore or Junior status. 3 credits.

NURS 460 CULTURAL DIVERSITY IN NURSING focuses on developing an appreciation for diversity and strategies for providing culturally congruent competent nursing care with a multi-cultural society. Prerequisites: Junior or senior nursing status. 3 credits. (Optional)

NURS 477 INTRODUCTION TO INTEGRATIVE AND COMPLEMENTARY THERAPIES provides an overview of a variety of complementary therapies outside the realm of conventional medical options used in the United States. Content includes alternative, manipulative, biologically based, energy therapy, and mind-body interventions. Prerequisites: Junior or senior standing, NURS 202, NURS 212, NURS 213, NURS 255. 1-2 credits. (Optional)

***NURS 492: SEMINAR IN CONTEMPORARY NURSING** This course is a faculty-advised seminar in which the student presents an in-depth, independent study of current topics, and issues affecting contemporary nursing practice. The student will critically review current quality and safety issues in healthcare and nursing. This is the last course in the BSN Completion program the student takes prior to graduation. 3 credits.

NURS 494 INTRODUCTION TO EKG INTERPRETATION introduces the nursing student to basic rhythms of the heart. Prerequisites: Junior or senior standing. 1 credit. (optional)

***BSN Completion Program only**

PHILOSOPHY

PHIL 101 PHILOSOPHY: THEORY AND PRACTICE is an entry level philosophy course for freshmen and sophomores. It offers an accessible introduction to the basic questions of philosophy in epistemology, metaphysics and ethics, and trains students in the use of the tools of philosophical analysis. Students also learn to explore the implications of philosophy for their academic discipline and vocation. 3 credits.

PHIL 201 CENTRAL TEXTS OF PHILOSOPHY familiarizes the student with many of the basic, historical and contemporary texts of philosophy. It teaches students how to read philosophical texts effectively, by analyzing their claims, and evaluating their arguments. Pre-requisite: PHIL 101. 3 credits.

PHIL 211 ELEMENTARY LOGIC is 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 221 HUMAN DIGNITY Human rights are regularly played as trump cards in politics and ethics. Rights talk tends to polarize public opinion, encourages uncritical support, and elicits extreme reactions from both secularists and religionists. But what are human rights? And, by the way, who counts as human? This course is a philosophical consideration of issues bioethical, legal, ethical, ontological, and political that affect our understanding of human dignity. For students preparing for vocations in these areas, it will enable them to think with logical acumen and to serve with a motivating knowledge of the dignity inherent in being human. 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: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (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 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. 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 is an introduction to the art of defending the truth claims of the Christian faith. Students learn the biblical warrant for apologetics, the merits of rival methodologies, and study philosophical, scientific, and historical evidences. They are equipped to respond to the skeptical challenges of atheism and the contrary claims of rival religions. 3 credits.

PHIL 326 LITERARY PHILOSOPHY Honors crosslisted as ENG 326. 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. 3 credits.

PHIL 370 PHILOSOPHY OF MIND is an in-depth exploration of the character of mind and of the relationship between the mind and the physical world. Students learn to evaluate the strengths and weaknesses of a variety of materialist, dualist, and neutral theories, and to see how they arise from and influence foundational worldviews. Pre-requisite: at least one other philosophy class or enrollment in the minor or major in psychology, or permission of instructor. 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. Crosslisted as COM 372. 3 credits.

PHIL 379 RELIGION AND THE LAW examines law as both a consequent derivation and natural expression of religion, as in the Babylonian tradition (Code of Hammurabi), Judeo-Christian Biblical tradition, and Muslim tradition (Quran); and, as a consequent manifestation of secular political structures charged with regulating religion within society. The course will consider classical formulations of legal theory such as Divine Command theory, Legal Positivism, and Natural Law theory. Particular attention will be paid to First Amendment issues in American jurisprudence as well as the regulation of controversial issues such as civil disobedience, abortion, euthanasia, same-sex marriage, transgender accommodations, the death penalty, freedom of religion (as in the Hobby Lobby case), free speech of religious groups (such as the Westboro Baptist Church case), school prayer, and school choice. The course will also consider some issues in international law such as the protection of religious minorities within the boundaries of other sovereign nations. Cross-listed with LEGL 379. 3 credits.

PHIL 380 PHILOSOPHY OF LANGUAGE is an invitation to consider with philosophical care the essential aspect of our human being that language is. Are we tool users who employ language as a tool, or is it rather the case that language has us? Beginning and ending with a contemplation of John 1:1, “In the beginning was the Word,” central texts for this course include contemporary classics such as Ludwig Wittgenstein’s *Philosophical Investigations* and Hans-Georg Gadamer’s *Truth and Method*. This is a philosophy course with rich application to students’ academic work now, to their lifelong creative writing, and to those who wrestle with Derrida’s postmodern dismissal of language as mere logocentrism. Prerequisite: PHIL 101. 3 credits.

PHIL 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. Prerequisite: ART 285, 286. Crosslisted as ART 381. Studio fee. 3 credits.

PHIL 400 ANCIENT PHILOSOPHY studies concepts and historical themes developed in ancient philosophical literature. The course will examine philosophers who lived during a thousand-year period, from approximately 600 BC to AD 400. Particular attention will be paid to the writings of Plato and Aristotle. Students will examine how ancient philosophers addressed issues still important today. Of interest will be the philosophers’ perspectives on logic, physics, soul and mind, ethics, and God. Students will be enabled to articulate ancient philosophical perspectives in dialogue with the Christian faith. Prerequisites: PHIL 101. 3 credits.

PHIL 410 MEDIAEVAL PHILOSOPHY explores the central conviction, “I believe so that I may understand.” This is a philosophy course with rich application to students’ academic work and the living out of their vocations. Beginning with a prologue of Aristotle’s logic and metaphysics, students go on to study a selection of formative texts extending from the early Christian apologist Justin Martyr up until the dawn of the Reformation. The philosophies of Augustine and Aquinas are central concerns for work in the spirit of the mediaeval synthesis or marriage of faith and reason. Prerequisite: PHIL 101. 3 credits.

PHIL 411 ADVANCED LOGIC explores the important results of mathematical logic for computability, first order predicate logic, and arithmetic. Students will learn to distinguish computable and non-computable functions, learn why there is no algorithm for evaluating arguments of first order logic, and explore the construction and implications of Gödel’s famous theorems. Along the way, we consider the apparent philosophical and theological implications of these results for the nature of human reason. Pre-requisite: PHIL 211. 3 credits.

PHIL 425 ADVANCED CHRISTIAN APOLOGETICS provides a thorough immersion in a wide range of advanced topics in apologetics, including the epistemological need for apologetics, the defense of biblical authority, training in understanding and responding to the claims of rival cults, sects, and world religions, and specialized study in cultural, historical, legal, literary, medical and scientific apologetics and in the foundations of human rights. The 45 hours of instruction are supplemented by a substantial reading list. Classes are held at the International Academy of Apologetics, Evangelism and Human Rights in Strasbourg France. Students who wish to take this class for credit must register both for the International Academy (full details here: <http://www.apologeticsacademy.eu/>) and for PHIL 425. Pre-requisites: junior standing or above; Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credit hours.

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 101. 3 credits.

PHIL 460 RESEARCH ETHICS provides a foundation for the responsible conduct of research. Students will identify key issues relating to ethical standards of research, and they will develop an understanding of their own personal responsibility for scientific integrity based on non-religious and Christian norms. This course will cover ethical issues involving human subject biomedical research, social science and behavioral research, animal research, plagiarism, scholarship misconduct, data fabrication, ownership and authorship issues, conflicts of interest, peer review, mentor/mentee relationships, whistleblowing, biosecurity, and others. An introductory course in philosophy, bioethics, or ethics is required. 3 credits.

PHIL 491 SENIOR SEMINAR I provides the methods and tools required to develop a significant, original undergraduate research project. Students learn how to: identify an issue worthy of further research; formulate an initial thesis; gather and evaluate relevant resources; and make a clear and coherent plan of their project. In addition, they are thoroughly trained in proper writing mechanics, following *The Chicago Manual of Style*. Prerequisites: PHIL 101, PHIL 201 and senior standing. 1 credit.

PHIL 492 SENIOR SEMINAR II is a continuation of Senior Seminar I. Working with both the course instructor and a faculty advisor who specializes in the subject area of their research, students draft and redraft their project. Finally, students give a public presentation and defense of their thesis and produce a final version of their written project. Prerequisite: PHIL 491. 3 credits.

PHYSICAL THERAPY (SEE GRADUATE CATALOG FOR COURSE DESCRIPTIONS)

PHYSICS

PHYS 107 ASTRONOMY is an introductory course that includes the scientific and historical foundations of astronomy, solar system mechanics, Earth's seasons and sky motions, the life-cycles of stars, galaxies, and solar systems, cosmology, and space exploration. 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 an introductory course in physics that includes classical mechanics, mechanical waves, sound, and fluids. Involves the use of algebra and trigonometry, and emphasizes both numerical problem solving and building logical arguments based on physics concepts. One laboratory per week. Prerequisite: "C-" or better in MATH 128. 4 credits.

PHYS 152 GENERAL PHYSICS II is a continuation of PHYS 151 and includes classical electricity and magnetism, electric current and circuits, light waves, geometric optics, and the atom. One laboratory per week. Prerequisite: "C-" or better in PHYS 151 or PHYS 171. 4 credits.

PHYS 171 UNIVERSITY PHYSICS I is a calculus-based introductory course in physics that includes classical mechanics, mechanical waves, and sound. Involves the use of algebra, trigonometry, derivatives, and integrals. Both numerical problem solving and building logical arguments based on physics concepts are emphasized. One laboratory per week. Prerequisite: "C-" or better in MATH 201. 4 credits.

PHYS 172 UNIVERSITY PHYSICS II is a calculus-based continuation of PHYS 171 and includes classical electricity and magnetism, electric current and circuits, light waves, geometric optics, and the atom. One laboratory per week. Prerequisite: "C-" or better in PHYS 171. 4 credits.

PHYS 307 ASTROPHYSICS is a study of the physics of modern astronomy including electromagnetic radiation, telescopic observations, gravitation, and the properties of atoms, planets, stars, black holes, and galaxies. Prerequisite: "C-" or better in PHYS 152 or PHYS 172. 3 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. 3 credits.

POLS 285 AMERICAN POLITICS AND HEALTH CARE POLICY introduces the students to the policy-making process in the United States by focusing on the three branches of government - legislative, executive, and judicial - as well as the context of environment in which political decisions about health care policy are made. Activities will help students appreciate how the American political system has evolved, understand its everyday impact on the lives of students, and evaluate recommended changes to the system, particularly in 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 480 INTERNSHIP provides opportunities for students to work and gain experience in a variety of political contexts. Students may intern at the local, state, national, or international level, including a Washington, D.C., semester. Prerequisites: POLS 101 and POLS 201. 3-6 credits.

POLS 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 the spring of the senior year. Prerequisites: PSY 350 and POLS 492. 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.

POLS 492 RESEARCH PROPOSAL This course focuses on preparing the senior seminar research project. Students are required to submit a formal research proposal; university approval of the proposal will be required. Enrollment for this course is during spring of the senior year. 1 credit.

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 350 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 445 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 350. 3 credits.

PSY 491 READINGS IN PSYCHOLOGY provides independent study and research under the direction of faculty member. 3 credits.

PSY 485 RESEARCH PROPOSAL This course focuses on preparing the senior seminar research project. Students are required to submit a formal research proposal; university approval of the proposal will be required. Enrollment for this course is during fall of the senior year. 1 credit.

REHABILITATION 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 191 & BIO 192 or equivalent. 4 credits.

MSRS 505 SCIENTIFIC WRITING IN REHABILITATION is intended to provide students with clear expectations about, and practice in, acceptable writing in English for graduate coursework. This course will: increase understanding of plagiarism and related ethical issues and increase knowledge of the structure of research papers in rehabilitation science. 4 credits.

MSRS 515 EVIDENCE-BASED PRACTICE IN REHABILITATION is designed to help practicing international occupational and physical therapists acquire skills related to consuming rehabilitation research. Students are exposed to basic concepts of research methodology and a review of conceptually-based statistics that further enhances skills with consuming the scientific literature. Students will practice reading and critiquing professional literature. 4 credits.

MSRS ADULT NEUROLOGICAL CONDITIONS AND PRACTICE ENVIRONMENTS is designed to include both traditional didactic teaching-learning experiences in the classroom and off-campus clinical experiences. The course will provide a common basis of scientific knowledge associated with practice in the area of adult neurological conditions. 4 credits.

MSRS 560 PEDIATRIC CONDITIONS AND PRACTICE ENVIRONMENTS is designed to provide an introduction to internationally trained therapists to the practice of pediatric physical and occupational therapy in the United States. In addition to exposure to various pediatric therapy settings, the students will apply critical reading and appraisal skills learned in the evidence-based practice class. 4 credits.

MSRS 610 INDUSTRIAL REHABILITATION AND PRACTICE ENVIRONMENTS is designed to help practicing international occupational and physical therapists acquire knowledge related to the practice of industrial rehabilitation. This course is designed to introduce students to work-related musculoskeletal injuries, basic ergonomic and prevention principles, job analysis, functional evaluation, work conditioning, work hardening, and worker's compensation insurance within both industrial and office environments. 4 credits.

MSRS 620 GERONTOLOGICAL CONDITIONS AND PRACTICE ENVIRONMENTS is designed to include both traditional didactic learning-teaching experiences in the classroom and off-campus clinical experiences. The course will provide a common basis of scientific knowledge associated with practice in the area of gerontological conditions. The off-campus clinical experiences are intended to provide opportunities for several observational experiences that are related to gerontological conditions. Students will be able to see a variety of clinical environments and patient conditions as well as observe assessment and treatment; students will not participate in performing assessments or treatments. 4 credits.

MSRS 630 ADULT ORTHOPEDIC CONDITIONS AND PRACTICE ENVIRONMENTS is designed to include both traditional didactic teaching-learning experiences in the classroom and off-campus clinical experiences. The course will provide a common basis of scientific knowledge associated with practice in the area of adult orthopedic conditions. This will include information in the following: 1) assessment; 2) theoretical basis of assessment and intervention; 3) interventions; 4) anatomy and kinesiology; 5) differential diagnosis and imaging; 6) management issues such as billing procedures, state and federal regulations of practice, policies unique to practice areas, disability models; and 7) evidence-based practice. 4 credits.

MSRS 650 RESEARCH DEVELOPMENT is designed to prepare students to be good consumers of research and develop the skills to complete a basic research project and apply concepts gained in the MSRS Program to practice as they return to their home country. 4 credits.

RSC 106 MEDICAL TERMINOLOGY RSC 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.

RSC 201 MEDICAL ETHICS AND REHABILITATION Medical 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 Godpleasing 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 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 program that requires the enhanced church-work core. 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.

REL 110 CHRISTIAN FAITH is an overview of Christian theology intended to acquaint the students with key theological concepts as they relate to everyday life. This introductory course satisfies the core curriculum requirement for Christian doctrine for students who are not in a program that requires the enhanced church-work core. 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. The New Testament is read with a focus on the life of Jesus, his teaching and miracles, death and resurrection. The other major people of New Testament are also studied through their writings, especially the apostles Paul, Peter, and John. 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 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 examines the preparation and delivery of devotional messages based on a careful study of the biblical text. Classroom discussions center on the proper distinction between Law and Gospel, the correct interpretation of biblical texts, the structure of effective devotional messages, and the techniques of delivering these messages. Religious education elective. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

REL 245 MINISTRY PRACTICUM is intended for students 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]). 3-4 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 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. 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]). 3 credits.

REL 344 LUKE/ACTS will study the main themes of Luke-Acts through a structural, Christ-centered, and historical approach. Selected passages will be given special attention as the portrait of Christ and the founding of his Church are unveiled. Issues that will merit special attention are: Jesus' kingship, His prophetic office, Christian worship in the Early Church, the mission of the Church, end times and Jesus' passion. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 3 credits.

REL 345 JOHANNINE LITERATURE studies the writings of St. John in the New Testament, namely his Epistles, Gospel, and Revelation. Students examine the Johannine message concerning the person and work of Jesus Christ. Characteristic terms, themes, and doctrines are made the subject of special study. Bible elective (NT). 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 349 ACTS covers the book of Acts with special focus on the Apostle Paul. The course provides some background on key cities visited by Paul, places his teachings in context of the Greco-Roman world and that of first century Judaism, examines his use of the Old Testament, and compares Luke's presentation of Paul with the evidence from the letters of Paul. 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 383 THE GOSPEL OF LUKE surveys foundational principles and techniques in biblical interpretation using the Gospel of Luke. The life and ministry of Jesus is studied through the distinctive parables, songs, characters and events 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. Special attention is given to the development of world Christianity within the history of the church. 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 Church as confessed in the Book of Concord. The entire Book of Concord is read focusing on the key doctrinal issues which the Lutheran Confessors highlighted. 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 relationship to 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 DIRECTOR OF CHURCH MINISTRIES INTERNSHIP is a course which puts theory into practice in a specialized setting unique to the individual student's 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 440 LUTHERAN WORSHIP: THEOLOGY AND PRACTICE introduces the terms, history and theology of worship in the Lutheran Church. The student is exposed to a variety of art forms and ways in which they can be incorporated into the worship experience. Along with learning the principles involved in developing and leading a worship service, the student practices these skills in class. This course is cross-listed as WAL 440. Prerequisites: Bible Content (REL 100 [or 201 & 203]); Christian Doctrine (REL 110 [or 204]). 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 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 will lead students to demonstrate the ability to synthesize knowledge, skills, and attitudes from two or more areas in order to create and support a new point of view in a senior seminar project that contributes to the discipline, 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 will lead students to demonstrate the ability to synthesize knowledge, skills, and attitudes from two or more areas in order to create and support a new point of view in a senior seminar project that contributes to the discipline, 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 INTEGRATED SCIENCE studies selected topics from the natural sciences with emphasis on practical implications of an understanding of those topics. Laboratory course. 4 credits.

SCI 151 PHYSICAL SCIENCES is an integrated approach to the study of physics, chemistry, and astronomy suggested for education majors. Prerequisite: One year of college preparatory algebra in high school. Laboratory course. 4 credits.

SCI 152 LIFE SCIENCES is an integrated approach to the study of biology and environmental science suggested for education majors. Suggested pre-requisite: : SCI 151 or 1 year of high school chemistry. Laboratory course. 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 (Weather & Climate) GEOG 295. 3 credits.

SCI 235 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. Laboratory course. 4 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, submarine morphology, and marine organisms. Cross-listed (The World's Oceans) GEOG 246. Laboratory course. 4 credits.

SCI 275 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. 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. 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 225 SOCIAL WORK AND SOCIAL WELFARE This course is the first in the social work curriculum to begin the process of establishing a knowledge base for practice. As a foundational level course, it is of significant importance in the curriculum. Students will study the history of social work through the eyes of those who set out to change the world through the establishment of the profession of social work and their advocacy in the field of social welfare. They will be introduced to the roles and responsibilities of professional social workers, the mission of the profession as it relates to social and economic justice, and the importance of advocating for the poor and the disadvantaged. Students will learn skills of self-reflection and self-regulation in the management of personal values and professionalism. Students will learn the importance of ethical behavior. They will learn about advocacy and the importance of research and life-long learning. This course addresses the multitude of current and dynamic issues facing social workers today. It addresses the importance of professional social work in critical practice settings and how the profession is making a difference in changing the world through advocacy for social and economic justice.

SW 235 INTRODUCTION TO CHILD WELFARE This course provides the student with foundational level knowledge on the historical and statutory basis for child welfare practice. The students will examine all components of the current child welfare system and its federal mandate. Students will learn about and discuss issues of child maltreatment/abuse, the rights of children and parents, and the significance of family in a system with the authority of the government to intervene and/or remove children who are at risk of harm. Students will gain a working knowledge of the definitions of child abuse and neglect. They will learn about and discuss theories of practice, family systems, and the policies that effect practice in child welfare. Prerequisites: Sophomore standing required. Cross-listed with Psy 235. 3 credit hours.

SW 306 SOCIAL WELFARE POLICY AND PROGRAMS This course 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, sexual orientation, disability, and immigration will be discussed. The importance of policy practice will be introduced and integrated through community interviews. Prerequisites: SW 100 and 205. 3 credits hours.

SW 310 SOCIAL WORK RESEARCH METHODS I This course introduces research methodology pertinent to the evaluation of human service programs, and discusses the rationale for conducting 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: SW 100, SW 205, MATH 205 and Social Work Major. 3 credit hours.

SW 326 SKILLS & METHODS OF SOCIAL WORK PRACTICE I: STRATEGIES FOR HELPING INDIVIDUALS This course 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. Prerequisites: SW 100, SW 205 and Social Work Major. 3 credit hours.

SW 327 FIELD EDUCATION I is taken concurrently with SW 328, Field Seminar I. 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. 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 Major with senior standing. 3 credit hours.

SW 328 FIELD SEMINAR I is taken concurrently with SW 327, Field Education I. 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, engagement skills, critical thinking skills, ethical dilemma awareness and the development of the professional self. The seminar will provide for the integration of field experience with classroom learning through discussion and assignments. Prerequisites: SW Major with senior standing. 3 credit hours.

SW 346 HUMAN BEHAVIOR/THE SOCIAL ENVIRONMENT I This course will examine ecological 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: SW 100 and SW 205. 3 credit hours.

SW 347 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT II This course further develops the person-in-environment concept in social work, with a specific focus on macro systems and their impact on society, and on human diversity. The course provides a framework for understanding and analyzing the forms and mechanisms of oppression and discrimination. The course includes theories used in macro practice and the development of a knowledge base with a macro perspective on families, groups, organizations, institutions, and communities. Students learn how diversity shapes the human condition and how culture affects the perception and interaction in the social environment. The course provides students with a knowledge base on the interactions among and between systems at all levels of practice, and how human behavior and the environment are impacted by the interactions. Prerequisites: SW 100 and SW 205. 3 credit hours.

SW 365 DRUGS, SOCIETY, AND HUMAN BEHAVIOR This course 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 or PSY 101. Cross-listed as SOC 365. 3 credits hours.

SW 375 UNDERSTANDING DEATH AND DYING This course 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: SOC 101 or PSY 101 and sophomore standing. Cross-listed as SOC 375. 3 credit hours.

SW 392 AGING AND THE SOCIAL ENVIRONMENT This course 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. Cross listed as SOC 392. 3 credit hours.

SW 410 SOCIAL WORK RESEARCH METHODS II This course builds on SW 310 and introduces research methodology pertinent to the evaluation of human service programs and individual practice, and discusses the rationale for conducting such evaluations. The written research report is emphasized with student participation in a mock research project and written paper. Each section of the written research report is discussed in depth with continued knowledge building of research methodology. Among the topics discussed and practiced through assignments and written paper are writing a title, writing abstract, writing literature review, hypothesis formation, writing methodology (including operationalization of variables, research design, sampling, data collection tools, procedures, and ethics), writing results, writing discussion, and creating a reference list. Prerequisites: MATH 205 and SW 310. 3 credit hours.

SW 425 SOCIAL WORK PRACTICE IN HEALTH CARE This course offers a comprehensive examination of social work practice in a healthcare setting. The course examines current practice settings and issues impacting health care. It examines the impact of the Patient Protection and Affordable Care Act of 2010 (PPACA). The contents of the course examine the integration of physical and behavioral health care, evidence-based practice, transdisciplinary care, and the increased focus on primary health services associated with prioritized prevention, wellness, and chronic illness intervention. It examines issues associated with managed care and the escalating costs of health care. This course identifies skills, ethical perspectives, techniques, and stresses associated with contemporary health and patient care. The course utilizes a systems perspective to service delivery. It places a significant emphasis on the importance on the need for social workers to be attentive to individual, patient, and institutional provider needs. 3 credit hours.

SW 426 SKILLS & METHODS OF SOCIAL WORK PRACTICE II: HELPING GROUPS AND FAMILIES This course 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 326. 3 credit hours.

SW 427 FIELD EDUCATION II is taken concurrently with SW 428, Field Seminar II. 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 327 and SW 328. 3 credit hours.

SW 428 FIELD SEMINAR II is taken concurrently with SW 427, Field Education II. 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. Prerequisites: SW 327 and SW 328. 3 credit hours.

SW 430 DUAL DISORDERS: INTEGRATED TREATMENT FOR CO-OCCURRING MENTAL HEALTH AND SUBSTANCE ABUSE DISORDERS This course teaches a collaborative approach integrating professional systems that treat patients with co-occurring mental illness and substance abuse disorders. Students will learn to assess mental health disorders and substance use disorders, develop integrated approaches to treating dual disorders and integrate treatment approaches with other professions. Prerequisites: SW/SOC 365 or a minimum of 30 academic hours in addiction. 3 Credit Hours.

SW 436 SKILLS & METHODS OF SOCIAL WORK PRACTICE III: ADVOCACY & COMMUNITY CHANGE This course focuses on developing an understanding of larger systems, and skills for practice within that context. The material includes a macro level perspective of social justice, oppression and advocacy, and a review of various theoretical perspectives, including systems theory and the strengths perspective, as they apply to macro level practice. Discussion will surround an examination of traditional and nontraditional social action strategies, including community organization, development and advocacy. 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. Prerequisites: SW 326 and SW 426. 3 credit hours.

SW 490 SENIOR INTEGRATIVE SEMINAR This course 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 policy and practice issues in the context of social work values and ethics. This course is a self-directed readings, critical inquiry, and discussion seminar. Prerequisites: SW 327 and SW 328. 3 credit hours.

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 151 CRIMINOLOGY studies why people commit crimes. Crosslisted JPP 103. 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 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 or PSY 101 Cross-listed with SW 365. 3 credits.

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SOC 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. Cross listed as SW 392. 3 credit hours.

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 BUSINESS

SMA 290 INTRODUCTION TO SPORT AND ENTERTAINMENT MANAGEMENT This course exposes students to the expanding roles of sport and entertainment in society. Strong emphasis is placed on framing sport and entertainment management as a leading business sector in today's marketplace; thus the content includes a broad-based examination of the foundations of theory, techniques, culture and practices of management, and as applied to all segments of sport and entertainment business within the local, regional, national and international communities. 3 credits.

SMA 300 SOCIAL ASPECTS IN SPORT AND ENTERTAINMENT investigates sport as a microcosm of society and explores how the sports we play and our entertainment choices are influenced by cultural traditions, social values, and economic forces. The focus of this course will be on the examination of sport as a social institution and its integration within the greater societal structure. 3 credits.

SMA 310 LEGAL AND ETHICAL ISSUES IN SPORT AND ENTERTAINMENT This course creates awareness and understanding of the legal issues prevalent in the sport business industry today from a legal and ethical perspective; looking to integrate possible solutions from both a personal and professional perspective of morals and values. The course will examine policies and procedures of the United States legal system and the application of pertinent laws and legal concepts for the basis of sound and ethical decision making. 3 credits.

SMA 320 FACILITY DESIGN AND MANAGEMENT IN SPORT/ENTERTAINMENT is an examination of the concepts of design and management of sports and recreation facilities. This course will focus on various issues such as site selection, layout, plan and design, maintenance, staffing, fiscal management, and risk management. 3 credits.

SMA 330 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. 3 credits.

SMA 340 SEB/HEM INTERNSHIP This is the first credit/course of three Field Experience requirements within Sport and Entertainment Management, as well as, Hospitality and Event Entertainment Management. This course is designed to assist in preparing students in the design, development and utilization of resumes and cover letters within the industry. 4 - 6 credits.

SMA 350 SPORT AND ENTERTAINMENT MARKETING This course is designed to introduce students to the application of basic principles of marketing to the sport and entertainment industry. Students will explore and analyze the central and fundamental principles and implications related to the following areas of sport/entertainment marketing including but not limited to market segmentation, pricing, brand activation and engagement marketing best practices, market research, and perceptions in consumer behavior. This course is designed to provide students with a contemporary understanding of marketing concepts as they are currently being applied in various sport and entertainment management contexts. 3 credits.

SEM 330 INTEGRATED PUBLIC RELATIONS & SOCIAL MEDIA This course provides a practical and conceptual foundation for students interested in sport, entertainment, hospitality, and event management. Students will explore the formalized working relationships between the mass media and professional organizations. The course focuses on the interactions among the people and organizations involved in the flow of information to the public, including the connection between the informational and commercial sides of communication and information management. Students will understand the professional and industry standards of using social media as an effective business tool for public relations, community relations, media relations and marketing efforts. Students will be challenged to develop effective content for various public relations and social media platforms; and will understand the importance of analytics, engagement of end markets and measurability of public relations and social media efforts. 3 credits.

SEM 430 SPONSORSHIP, SALES, AND FUNDRAISING STRATEGIES This course is designed to give students and inside look into the world of sponsorship, it's advantages and why it's used. At the same time, they will gain insight into the use of sales development and techniques. They will also learn about the importance of fundraising and how all three areas feed into one other in the worlds of sport & hospitality. 3 credits.

SEM 453 SEB POLICY This course is designed to look at the total environment of sport and entertainment business as viewed by top managers in the field. Concepts developed in other business and sport and entertainment business courses will be implemented in research of topics. Actual sport and entertainment business issues currently being addressed at an organization or institution will be studied. Prerequisite: Senior standing in major. 3 credits.

THEATRE

THTR 100 CULTURAL EXPERIENCE THROUGH DIRECTED TRAVEL STUDY gives students the opportunity to travel to distant theatre centers in the United States and abroad, developing an interest and understanding of the nature of Theatre and its cultural influences. Students will see a variety of plays, interact with theatre artists, and view other cultural centers while traveling. 3 credit hours.

THTR 101 THEATER PRACTICUM allows students to earn credit for significant participation in an acting role, technical position, or dramaturg position on a Concordia Theatre production. Roles/positions are designated and approved by Theatre faculty. 1 credit hour.

THTR 103 BASIC DANCE This course will introduce students to the fundamentals of dance: rhythm, coordination, body alignment, and physical stamina. Students will learn contemporary dance styles used in theatrical performance- Jazz, Hip Hop, Tap, Ballroom, and Ballet at a beginner level. 3 credits.

THTR 120 ORIENTATION TO THEATER is an overview of theatre history, from the ancient civilizations of Egypt, Greece, and Rome to the 21st century. Students will gain knowledge of the impact of theatre on a variety of civilizations, learn the production process and how it has evolved through the generations, and develop an appreciation for theatre while examining genre, style, structure, purpose, and cultural context. 3 credit hours.

THTR 203: CHOREOGRAPHY FOR THE STAGE This course is a continuation of THTR 103, with a specific emphasis on the study of choreography used in musical theatre, and the history of the choreographers who popularized their styles in the 20th century. Students will have an opportunity to choreograph dance numbers and to enhance their basic dance knowledge. 3 credits.

THTR 215: VOICE AND SPEECH FOR THE ACTOR Designed to enhance voice, speech, and dialects for use on stage by the student actor. Vocal projection, variance, breathing, diction, and dialects would be taught to strengthen the vocal performance of the actors. 3 credits. No prerequisite.

THTR 225 ON-CAMERA ACTING AND PRODUCTION is the course in which students will learn the methods and business of acting in film, television, commercials, industrials, and voice-over work. In addition, students will learn how to market themselves in the on-camera performance industry, including resume preparation, how to work with agents and casting directors, and utilizing the right marketing tools to secure work. 3 credit hours.

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 credit hours.

THTR 254 PRODUCING CHILDREN'S THEATER examines the history of children's theatre with a special emphasis on the structure, style, organization, and creative development of the production process for creating quality theatre for children. Students will have the opportunity to adapt source material to create short skits to be performed for a children's audience, including biblical adaptations used for drama ministry outreaches. 3 credit hours.

THTR 263 ACTING I INTRODUCTION TO ACTING explores the history and theories of acting; and the techniques of voice, movement, improvisation, and character development for the stage. 3 credit hours.

THTR 269 MUSICAL THEATRE AND DANCE teaches students how to enhance their acting ability while performing on the musical stage. Song selection, vocal training, audition preparation, and choreography are explored to strengthen their performance skills. The semester culminates with a public performance. 3 credit hours.

THTR 310 THEATRE MANAGEMENT looks at the business side of theatre. Students will study box office procedures, budgeting, producing, and house management. 3 credit hours.

THTR 311 DRAMA MINISTRY examines how drama is used in churches and Christian theatre, film, and television programs. Students will have the opportunity to create ministry sketches to be performed at churches and various outreaches to disadvantaged youths in the Milwaukee area. 3 credit hours.

THTR 331 STAGECRAFT II takes the student into more advanced concepts of stage design, the preparation of models and related techniques. Prerequisite: THTR 231. 3 credit hours.

THTR 340: THEATRE IN EDUCATION This course would examine the use of drama in the elementary and secondary education classroom to enhance reading, writing, and comprehension skills, as well as enliven a history or social studies class. It would be designed for students pursuing teaching theatre to youth in a classroom, extracurricular, or production setting, as well as for Education majors seeking to use Theatre in the classroom. 3 Credits. No prerequisite.

THTR 350 20TH CENTURY AMERICAN DRAMA studies the contributions of key American playwrights of the period. Writers to be studied may include Eugene O'Neill, Tennessee Williams, Arthur Miller, and Edward Albee. 3 credit hours.

THTR 363 ACTING II INTERMEDIATE ACTING builds on the foundation developed during THTR 261 and further expands stage acting skills and techniques through scene work and improvisational exercises. Prerequisite: THTR 261. 3 credit hours.

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 credit hours.

THTR 381: STAGE MOVEMENT AND COMBAT This course would explore stage movement as it applies to varying genres, styles, and time periods, with an added emphasis on stage combat and physical comedy to strengthen movement on stage for the actor. 3 Credits. No Prerequisite.

THTR 400 SPECIAL TOPICS IN THEATRE is a course with variable content offered as a high-level elective for theatre students. 3 credit hours.

THTR 440 PLAY WRITING surveys the history of play writing, considers the differences between writing plays and other types of creative writing, studies the necessary aspects of theatre, and gives students experience in writing for the stage. Prerequisites: ENG 104 and ENG 245. 3 credit hours.

THTR 463 ACTING III ADVANCED ACTING 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 credit hours.

THTR 481: THEATER INTERNSHIP Students will have the opportunity to intern with a professional Milwaukee area theatre company in an acting or technical position, arranged by Theatre faculty. Students are expected to complete a number of hours on a single production or half of the assigned company's production season. An evaluation of the student's completed work by the company staff and Theatre faculty will complete the semester. 3 credits.

THTR 490: SENIOR CAPSTONE In this course, students with Senior standing who are minoring in Theatre will demonstrate their competence in three culminating components: 1) a major research project (approved by the faculty) which exhibits an appropriate synthesis of their course and production experiences as well as their vocational expectations; 2) a drama ministry centered presentation that represents their readiness to enter a vocation in theatre (or related field) as a Christian leader; 3) a comprehensive oral exam or live performance based on the theatre core curriculum and supplemental reading list. Faculty and guest respondents will attend the exam and evaluate the work presented. 3 credits and Senior standing.

AL 206 AMERICAN CINEMA introduces basic issues related to the phenomenon of American cinema. It looks at American film history from the 1890s through the 1990s, but it does not explore this history in a purely chronological way. It is a cultural history which focuses on topics and issues more than on what happened when. It also explores how Hollywood films work technically, aesthetically, and culturally to reinforce and challenge America's national self-image.

AL 270 INTERCULTURAL COMMUNICATION provides students with an opportunity to develop communication skills necessary for a diverse workforce. In this course students come to understand intercultural communication by discussing language, stereotypes, behavior and patterns. Students develop the ability to apply cultural concepts to modern business situations and relate across cultures within that setting.

Full Time Faculty

ALBANO, CHRISTIAN B.

Associate Professor of Pharmacy Administration
B.S., University of Illinois at Chicago; M.P.H.,
University of Minnesota; M.S., M.B.A., Ph.D.,
North Dakota State University.
At Concordia since 2012.

ALFONSI, ELIZABETH A.

Assistant Professor of Physical Therapy
B.S., DPT, Marquette University.
At Concordia since 2016.

ALLES, BRAD A.

Assistant Professor of Education
B.S., Concordia University Nebraska;
M.A., Concordia University Chicago.
At Concordia since 2016.

AMES, DIANE P.

Associate Professor of Nursing
B.A., University of Wisconsin-Eau Claire; B.S.N.,
Alverno College; M.S.N., University of Wisconsin-Oshkosh;
D.N.P., Concordia University Wisconsin.
At Concordia since 2012.

ARNESON, DEAN L.

Associate Professor of Pharmacy Administration
Dean, School of Pharmacy
Pharm.D., M.S., Ph.D., University of Nebraska Medical Center.
At Concordia since 2008.

ARNHOLT, PHILIP J.

Professor of Natural Science
B.S., M.S., Eastern Illinois University; Ph.D., University of
Nebraska; LCMS Colloquy, Concordia University Wisconsin.
At Concordia since 1971.

BAGANZ, KATHRYN J.

Assistant Professor of Education
B.A., Concordia University Wisconsin; M.A.,
Marquette University.
At Concordia since 2016.

BARNETT, JON J.

Assistant Professor of Chemistry
B.S., University of Montevallo; Ph.D., Auburn University.
At Concordia since 2008.

BARNHART, ROBERT C.

Professor of Physical Therapy
B.A., West Virginia Wesleyan College; Cert. PT, Emory
University; M.S., University of Tennessee-Knoxville; Sc.DPT,
University of Tennessee Health Science Center-Memphis.
At Concordia since 2010.

BARTELME, KASSANDRA M.

Associate Professor of Pharmacy Practice
B.S., University of Wisconsin-Madison; Pharm.D.,
University of Minnesota-Minneapolis.
At Concordia since 2011.

BAUM, JON E.

Professor of Business and Mathematics
B.S., Valparaiso University, M.S.,
M.B.A., Marquette University;
Ph.D., University of Wisconsin-Milwaukee.
At Concordia since 1975.

BECK, JORDAN P.

Associate Professor of Physical Chemistry
B.S., Ph.D., University of Illinois at Urbana-Champaign.
At Concordia since 2011.

BECKER, JENNIFER M.

Assistant Professor of Education
B.A., M.S., Concordia University Wisconsin.
At Concordia since 2014.

BELLONE, JESSICA

Associate Professor of Pharmacy Practice
Pharm.D., Drake University.
At Concordia since 2014.

BELZ, ANGELA M.

Assistant Professor of Business
B.A., Ottawa University;
M.S., Concordia University Wisconsin.
At Concordia since 2016.

BENNETT, PATRICK R.

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Legal Notices

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 E-mail: student.life@cuw.edu
12800 North Lake Shore Drive - Mequon, WI 53097 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).

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