



From the office of the President:

SEEKING AN OPPORTUNITY TO SHAPE THE WORLD'S FUTURE?

If you saw an opportunity to change people's lives and shape the world's future, would you want to participate?

We at Concordia University Irvine have a vision and a plan. We aim to further enhance our ability to transform students' lives into the most excellent examples of Christian professionals who will then change their families, institutions, communities and society.

This opportunity is not only a vision but a necessity in the university's evolving aspirations for influencing academic and professional excellence. In 2005-2006, our plan includes the construction of the Education, Business & Technology (EBT) Building with state-of-the-

art classrooms and cutting edge technology. This optimum instructional facility will become a type of launch pad for students to achieve their goals, shape their futures and provide a catalyst for lives of productivity, service and education to Christian values.

The world needs more well educated Christ-centered leaders. For 30 years, Concordia University has been a leader in Christian values and academic excellence that positions those individuals in the roles that will make a difference in all areas of life.

Now we are creating a convergence of purpose and place that will take Concordia's mission to the next level with the Education, Business & Technology Building. The direct result of our success will be the changed lives of Concordia's students and the lives that they in turn influence as they enter their careers and begin to change the world.

Concordia University Irvine welcomes you to shape the world by launching your future here.

The Rev. Jacob A.O. Preus, S.T.M., Th.D.
President
Concordia University Irvine

UNIVERSITY MISSION STATEMENT

Concordia University Irvine, guided by the Great Commission of Christ Jesus and the Lutheran Confessions, empowers students through the liberal arts and professional studies for lives of learning, service and leadership.

CONCORDIA UNIVERSITY

I R V I N E



**THIRTIETH
ACADEMIC YEAR
2005-2006**

The Concordia University Board of Regents operates this university as an institution of higher education.

The statements made in this General Catalog constitute official policies of Concordia University. These policies are subject to change by the president, the Board of Regents and the faculty. Publications which reflect additional policies include the *Concordia University Student Handbook*, the *Concordia University Handbook*, the *Concordia University Assessment Handbook* and the *Concordia University Schedule of Classes*. Students are expected to confer with their academic advisors for precise information concerning academic programs.

Correspondence regarding these policies should be addressed to:

Office of the Provost
Concordia University
1530 Concordia West
Irvine, CA 92612

Concordia University does not discriminate on the basis of race, color, national and ethnic origin, sex or disability in any of its policies, procedures or practices. This includes but is not limited to admission, employment, financial aid, educational services, programs and activities. Inquiries regarding this policy may be directed to:

Vice President for Administration
Concordia University
1530 Concordia West
Irvine, CA 92612

The university telephone number is: (949) 854-8002; FAX: (949) 854-6854.

Office Hours: 8:00 a.m. to 4:30 p.m. Monday–Friday.

CONCORDIA UNIVERSITY CATALOG CONTRACT DISCLAIMER

Concordia University has established certain academic requirements which must be met before a degree is granted. This catalog summarizes the total requirements which the student must presently meet before academically qualifying for a degree from Concordia University. Advisors, program directors and deans are available to help the student understand and arrange to meet these requirements, but the advisor, program director and deans are not responsible for ensuring that the student fulfills them.

In addition, this catalog and the requirements listed in it for any given degree do not constitute a contract of promise by Concordia University to award the degree upon completion of those requirements by the student. Courses, programs and requirements described in the catalog for the award of a degree may be suspended, deleted, restricted, supplemented or otherwise changed in any manner at any time at the sole discretion of the university and the Board of Regents.

Direct correspondence to departments listed in the Information Directory on page 161.

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2005 - 2006 ACADEMIC CALENDAR

FALL 2005 SEMESTER

August 20	Residence halls open for NEW students
August 20-23	Clearance/Orientation for NEW students
August 23	Registration for NEW students
August 23	Residence halls open for RETURNING students
August 24	Clearance/Registration for RETURNING students
August 25	Classes begin
August 25	Opening Service (10:30 am - CU Center)
September 2	Last day to ADD a class in the School of Education
September 2	Last day to ADD a class without instructor approval
September 5	Labor Day Holiday (observed)
September 9	Last day to ADD a class with instructor approval
September 9	Last day to DROP a class without record of enrollment
September 13	Census Date
September 30	Deadline to apply for Fall 2005 graduation
Oct. 3- Nov. 4	Advising Appointments
October 10-12	Midterm Week
October 13-14	Midterm Break
November 7-10	Spring Registration
November 11	Last day to WITHDRAW from class
November 11	Deadline to apply for Spring 2006 graduation
November 21-25	Thanksgiving Break
December 9	Last day to WITHDRAW from class with "WF"
December 12-16	Final Exam Week
December 22	Semester grades due in Banner Web

SPRING 2006 SEMESTER

January 17	Clearance/Orientation for NEW students
January 18	Classes begin
January 25	Last day to ADD a class in the School of Education
January 25	Last day to ADD a class without instructor approval
February 1	Last day to ADD a class with instructor approval
February 1	Last day to DROP a class without record of enrollment
February 3	Census Date
March 6-10	Spring Break
March 13-17	Midterm Week
March 13-April 21	Advising Appointments
April 12	Last day to WITHDRAW from a class
April 13-17	Easter Break (Monday classes after 4 pm will meet)
April 24-28	Pre-registration for 2006-07 academic year
April 28	Deadline to apply for Summer 2006 graduation
May 3	Last day to WITHDRAW from a class with "WF"
May 8-12	Final exam week
May 13	Commencement activities
May 18	Semester grades due in Banner Web

General Information

MISSION STATEMENT

Concordia University Irvine, guided by the Great Commission of Christ Jesus and the Lutheran Confessions, empowers students through the liberal arts and professional studies for lives of learning, service and leadership.

Educational Targets and Goals

Systematic Inquiry

GOAL: Students will acquire and continue to use systematic skills for encountering knowledge. They will articulate a problem, structure an investigation, gather suitable resources, organize and manipulate qualitative or quantitative data and think critically to reach appropriate conclusions.

Clear Communication

GOAL: Students will acquire and continue to use knowledge and skills for sharing thoughts, data and feelings through writing, speaking, selected technical media and information management.

Health and Well-being

GOAL: Students will acquire and continue to use knowledge and skills which enhance their physical, economic, psychological and spiritual well-being and environment, laying the groundwork for satisfying and responsible leisure as well as vigorous and purposeful work.

Sociocultural Responsiveness

GOAL: Students will acquire and continue to use knowledge and skills for effective, respectful and positive interaction with the variety of the world's peoples, cultures, societies and traditions.

Aesthetic Responsiveness

GOAL: Students will acquire and continue to use knowledge and skills for perceiving the elements of human feeling, their synthesis and their expression in artistic media. Students will shape their own affective response through selected media including writing, drama, music and visual arts.

Christian Literacy and Life

GOAL: Students will acquire knowledge of and appreciation for Christian faith, biblical and confessional principles, God's creation, God's redemption, Christian witness and humanitarian service.

Servant Leadership

GOAL: Students will acquire and continue to use knowledge and skills to perceive the need of others, stimulate a vision for positive response and collaborate within communities to achieve the desired result.

HISTORY OF CONCORDIA UNIVERSITY

The story of Concordia University dates back to the mid-1950s when a small group of southern California Lutherans began to plan for a Lutheran college to serve the people of the Pacific Southwest. By 1962 the decision had been made by The Lutheran Church—Missouri Synod (LCMS) to build the new school.

An extensive search for the “perfect” site led to Irvine, California. Construction of the campus began in 1975 and in 1976 classes were held for the first time at Christ College Irvine, the original name of the institution. From a single building and thirty-six students, the school has grown to over twenty buildings and an annual enrollment of approximately 1,850.

In February 1993 the Board of Regents of Christ College Irvine, responding to a decision by The Lutheran Church—Missouri Synod to incorporate its ten colleges and universities into the Concordia University System, voted to change the name of Christ College Irvine to Concordia University. This Concordia University System, along with the two seminaries and 101 high schools and 1,028 elementary schools of The Lutheran Church—Missouri Synod, comprises the second largest church-related school system in the United States.

Concordia University includes the School of Adult Studies, School of Arts and Sciences, School of Business, School of Education and School of Theology. “Christ College” is a separate entity of the university and carries on the purpose of educating Lutheran teachers, directors of Christian education and church musicians for entry into those church professions and of preparing future pastors for seminary education. It also provides specialized religious preparation for those future social workers and business administrators desiring to work in a church setting.

LOCATION OF THE CAMPUS

Enjoying a hilltop setting fifty miles south of Los Angeles, eighty miles north of San Diego and six miles inland from the Pacific Ocean, Concordia University is located on a spectacular 70-acre plateau overlooking Orange County.

Concordia is surrounded by civic and cultural opportunities, including museums, galleries, repertory theatres, orchestra and choral groups. The metropolitan attractions of Los Angeles and San Diego are a one to two hour drive from the campus. The University of California, Irvine is only two miles away. The temperate climate offers year-round recreational activities such as surfing, sailing, windsurfing and tidepooling. Local mountains are within easy reach offering hiking and winter snow-skiing opportunities. Bicycling is popular in the area and the extensive bike trails connect the campus with shopping centers and the waterfront areas of Newport Beach. The Orange County Airport is only five miles from campus.

The city of Irvine is a planned community, primarily residential but including multi-national business and industrial complexes. It is rated one of the safest cities of its size in the United States. The surroundings of the Concordia campus offer an oasis to wildlife and are an ideal setting for the newest of the LCMS universities.

FACULTY, ADMINISTRATION AND STAFF

The faculty of Concordia University are highly qualified experts in their respective fields and teachers who care about their students and are committed to helping every student. They have designed an outstanding array of excellent courses for student selection.

The faculty, administration and staff of Concordia University are dedicated to service in the name of our Lord and Savior. The school is committed to fulfilling the Great

Commission of Jesus Christ and to this end seeks to surround students with the love of Christ and His truth and to prepare them to be ambassadors of the Lord God throughout their professional careers.

PHYSICAL FACILITIES

The university, the facilities it occupies and the equipment it utilizes fully comply with federal, state and local ordinances and regulations, including those requirements regarding fire safety, building safety and health. Teaching areas, activity areas and ground level housing are accessible to those who have disabilities.

LIBRARY, INFORMATION AND COMPUTING RESOURCES

The Concordia University library contains a collection of approximately 92,000 volumes, 2,500 audiotapes and 1,100 videotapes, as well as audio-visual equipment.

The library collection is strong in religion and theology, with an emphasis in Reformation studies. Two nearby libraries augment the Concordia collection: the University of California, Irvine library (1.5 million volumes) and the Heritage Park (Irvine) branch of the Orange County Library. The Concordia library also collaborates with other independent college and university libraries in southern California to provide access to additional materials and services. The Concordia library recently became a member of the Library of California. This alliance provides access to public libraries and better sharing of services between private and public college and university libraries.

World Wide Web resources available to students both on and off campus include: Academic Search Premier, covering every academic concentration plus indexing, abstracting and full-text articles from over 4500 journals (3600 in full text) dating back to the 1960s; JSTOR ("Journal Storage"), providing over 300 full-run, full-text journals; Lexis-Nexis, which provides full-text articles in business, medicine and law; Concordia's library catalog available on the World Wide Web (<http://library.cui.edu>); and courses and discussion conferences on Blackboard (<http://blackboard.cui.edu>). All campus residence hall rooms and classrooms have high-speed Internet connections for access to these sites and the full range of Internet learning resources. There are also computers available on the upper floor of the library for research purposes only.

The Concordia campus features three interactive video teleconferencing classrooms, one seating 10 students, one seating 24 and the third accommodating 38. The latter is equipped with a high-speed Internet connection at each seat. Classes assigned to these facilities may include students, "live" and "real-time," at one of the other similarly equipped Concordia University System campuses or Lutheran high schools throughout the United States.

The Concordia campus also features two student computer labs and one teaching computer lab. The student labs are available to all students with access to the Internet, e-mail and Microsoft Office. One student lab is located in the Student Life Center near the center of campus and the other is located in the Chi Rho Programming Center. The teaching computer lab is located in Founders Hall 105 and is reserved for use by instructors wishing to use computers as part of their instruction.

ACCREDITATION

Concordia University is accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges, 985 Atlantic Ave., Ste. 100, Alameda, CA 94501, (510) 748-9001. Students and other interested parties may review accreditation documents by making a request to the Office of the Provost.



Admission Information

ADMISSION CRITERIA

Concordia University admits students of any race, color, national and ethnic origin to all rights, privileges, programs and activities generally accorded or made available to students at the school. It does not discriminate on the basis of sex, race, color, disability, national and ethnic origin in administration of its educational policies, admission policies, scholarship and loan programs, athletic and other school-administered programs.

Concordia University stresses sound scholarship, yet realizes that academic achievement is not the sole end in life. It stresses social interaction in its community, yet realizes that individual worth is not always capable of expression in group-oriented terms. Therefore, each applicant will be given careful individual consideration and no one criterion can be identified in advance as the most crucial single factor. Thus, the following admission criteria are flexible guidelines used by the admission committee for the benefit of the student to measure and determine the potential for successful completion of a university education. Factors evaluated in the decision include: academic preparation, scholastic aptitude, recommendations, character, motivation, leadership potential and the ability to benefit from and contribute to the goals and mission of Concordia University. The university reserves the right to deny admission to any applicant. Space limitations may also affect the total number of applicants admitted in a given year.

Furthermore, general admission to the university does not constitute admission to a program of study. Each program has its own admission requirements. Consult the respective program director for specific requirements. (*Note: Students desiring admission to a post baccalaureate or graduate program should consult the graduate studies information available at www.cui.edu.)*)

BASIC REQUIREMENTS FOR GENERAL ADMISSION

Concordia University welcomes applications from students who have demonstrated ability to succeed in college level work. Criteria for selection include the following:

ACADEMIC PREPARATION. All applicants must be high school graduates or have completed the equivalent of the high school level of education. Concordia University accepts some students who have received equivalency certificates or diplomas through the General Educational Development Test (GED) or the California High School Proficiency Exam (CPE).

Applicants for regular admission status must have successfully completed the following high school courses:

- English:** 4 years
- Mathematics:** 3 years including Algebra 1, Algebra 2 and geometry
- Science:** 3 years including at least two years of laboratory science that includes at least two of the following: biology, physics, chemistry
- Social Science:** 2 years (4 recommended)

Foreign Language. Concordia University requires students to demonstrate competency in a second language prior to graduation from the bachelor of arts program. To complete this, students must successfully complete a full year of instruction in one modern foreign or biblical language at the university level or have successfully completed (average grade of “C” or better) two years of foreign language instruction in the same foreign language in high school. Bilingual students are exempt from this requirement.

Students admitted who do not meet these requirements will need to do so before receiving regular admission status.

SCHOLASTIC APTITUDE. Entrance eligibility is determined by academic, not cumulative, GPA together with SAT (Scholastic Aptitude Test) or ACT (American College Testing) scores and class rank. Other tests may be specified by the university testing program.

CREDIT BY EXAMINATION. Credit by examination at Concordia is available only through AP (Advanced Placement), CLEP (College Level Examination Program), DSSTS (DANTES Subject Standardized Tests) or International Baccalaureate examinations. Concordia’s standards for granting credit for these tests are available from the Registrar’s Office or from the freshman or transfer advisor. Students are responsible for providing the registrar with the official AP, CLEP, DSSTS and/or International Baccalaureate examination scores.

RECOMMENDATIONS

1. All entering students are required to submit a favorable recommendation from a high school guidance counselor or teacher.
2. Other recommendations may be required.

PHYSICAL AND MENTAL HEALTH. As a part of the application procedure, each applicant must provide the admission committee with a medical history that gives evidence of a level of physical and mental health commensurate with the demands of a college education and apartment living.

Ordinary means are available on campus to enable those who have moderate physical impairments to fulfill their academic and personal requirements for a degree. If an applicant needs additional assistance beyond what the university is able to offer and can obtain it through his/her own means, regular admission may still be granted.

OTHER FACTORS. Other factors considered in evaluating applications include character, motivation and extracurricular activities in school, in the church and in the community, particularly those involving leadership roles. The university reserves the right to deny admission to any applicant.

APPLICATION PROCEDURE. Entering freshmen may submit an application any time after completion of the junior year of high school. Applications are evaluated on a rolling basis. The following must be submitted to the Concordia Admission Office to complete an application:

1. Concordia University application form. The form is available from the Concordia Admission Office or online at www.cui.edu
2. The most recent official high school transcript. An official transcript and evidence of graduation must also be presented when high school work is completed.
3. Letter of recommendation (character reference) completed by the applicant’s high school guidance counselor or teacher. In some cases additional information may be requested. The formal application packet includes the form to be completed.

4. Scholastic Aptitude Test (SAT) (*preferred*) or the American College Test (ACT) scores. Test scores should be sent to the Admission Office. The university's code numbers for the tests are: SAT – 4069; ACT – 0227.

FALSIFICATION OF ADMISSION DOCUMENTS. Any student who enters the university using false information or by omitting required information is subject to penalty, including immediate dismissal without refund.

ADMISSION STATUS

REGULAR ADMISSION. Applicants classified as regular students have fulfilled all of the basic criteria as previously described.

PROVISIONAL ADMISSION. A limited number of applicants who have not satisfactorily fulfilled all the basic academic criteria for admission but who have met all other criteria and are determined to have the ability to attain the required academic standards will be accepted in the “Commitment to Success” Program. Students accepted to the “Commitment to Success” Program may enroll in only 12-15 units fall semester.

ADMISSION CLASSIFICATIONS

FIRST-TIME FRESHMAN STUDENT. The first-time freshman student is an applicant who enters with fewer than 24 semester or 36 quarter units of transferable college credit.

TRANSFER STUDENT. The transfer student is an applicant who transfers from a community, state or private college with 24 or more semester or 36 or more quarter units of transferable college credit.

The requirements expected of a transfer student:

1. Concordia University application form. The form is available from Concordia's Admission Office.
2. Official final high school transcript.
3. Letter of recommendation (character reference) completed by the applicant's employer, teacher or pastor.
4. Official transcript from each institution attended, covering all collegiate-level work undertaken. Good standing at each institution is required.

Students with fewer than 24 semester units or 36 quarter units will be evaluated on the basis of both high school and college records.

Transcript evaluations are made to determine the equivalency of transferred courses. Equivalent credit from institutions on the quarter calendar is determined at a ratio of one and one-half quarter units to one semester unit.

Concordia accepts both the Intersegmental General Education Transfer Curriculum (IGETC) and the CSU General Education Breadth Requirements to fulfill most of the university's general education requirements. Please refer to pages 25-27 for more detailed information. Official IGETC or CSU certifications must be submitted with the admission packet or upon completion of all certification courses. A total of 96 semester units is allowed for transfer, of which a maximum of 70 semester units may be transferred from an accredited community college. Concordia will accept up to 6 semester units of “D” course work completed prior to transferring. The courses receiving “D” transfer credit may apply only towards general education or elective credit and may not be applied towards a major or minor or fulfillment of program requirements for graduation from Concordia.

All transferring students who have completed significantly more than three years of college work are advised that Concordia University requires one year of academic residence of at least 32 semester units. Students with more than three years of academic work should realize that the usual period spent in working toward the bachelor of arts degree may be lengthened.

Transfer students seeking to earn a California teaching credential either within their BA program or as a post-BA student, must make an appointment with the credential analyst in the School of Education for a transcript review and additional advising. Transfer students must meet all graduation requirements for the bachelor of arts degree (page 27).

READMITTED STUDENT. The readmitted student is an applicant who has previously attended Concordia University but withdrew or transferred to another institution and now desires to re-enroll at Concordia University. All students who are applying for readmission must go through the admission process and should contact the Concordia Admission Office for an application for readmission.

The specific categories and requirements are:

1. Readmission following disqualification: the student must show evidence indicating that the deficiency which led to disqualification has been removed.
2. Readmission following a leave of absence: the student must show that the situation necessitating the leave of absence has been resolved.
3. Readmission following graduation from Concordia University: the student must reapply for admission into fifth-year or graduate programs.

Students must submit official transcripts from all institutions attended during the absence from Concordia. All readmission applications are reviewed by the Admission Office. Readmission to the university is not guaranteed.

INTERNATIONAL STUDENT. An international student is one who does not hold United States citizenship or lawful permanent residency. International students must fulfill the following special international student admission criteria in addition to the previous stated requirements:

A. Qualifications

1. Requirements as listed on page 26 for all BA students including, but not limited to, an official translated transcript proving evidence of academic achievement that is equivalent to graduation from an American high school; letter of recommendation; and appropriate SAT or ACT score.
2. Knowledge of English as measured by TOEFL (Test of English as a Foreign Language) or comparable instrument. Minimum TOEFL score is 550 paper-based or 213 computer-based. Students who do not meet this requirement may enroll in the English Language School (ELS) at Concordia University. Full information on this program is available from the ELS Admission Office. Students entering a degree program whose previous two years of successful educational instruction have been in English may not be required to show proof of English proficiency.
3. Evidence of financial arrangements to meet educational costs for the designated period.
4. Eligibility for an F-1 Student Visa.
5. International student transfer form (if applicable).

B. Procedure:

1. Students transferring from Concordia ELS into a B.A. program must obtain a recommendation from the English Language School director in lieu of a TOEFL score and must also meet the admission requirements of Concordia University.
2. Final approval must be secured from the Concordia University executive director of enrollment services.

Necessary forms for the above items will be supplied by the Admission Office upon request. Questions may be directed to the International Admission Office. If necessary, the application for admission will be reviewed by the enrollment management committee.

Assistance with obtaining an F-1 visa or maintaining F-1 visa status is available through the International Advising Office. International students are tracked through the School of Adult Studies.

F-1 visa students are not eligible to be part-time students. International transfer students must submit an in-status form signed by the DSO at their current school. In addition, students must have maintained F-1 visa status since last entry into the United States and are required to report to the DSO at Concordia University within fifteen (15) days of arrival in this country.

ANNUAL READMISSION

Full-time undergraduate students at Concordia University who have been accepted through normal admission procedures are required to participate in an on-going evaluation procedure to monitor academic growth, conduct and extracurricular growth. The decision for annual readmission is made at the end of the spring term, while academic disqualification and suspension may occur during any semester.

The criteria for annual readmission include: (1) academic work attempted and completed (GPA of 2.00 or higher) and (2) satisfactory growth in the cognitive and functional affective areas of the university's educational objectives. After examination by the enrollment management committee, the student's status may be: (a) readmission, (b) denial of annual readmission because of (1) academic disqualification, (2) unsatisfactory personal development. Students may appeal to the president whose action is final. A tuition deposit may be required for annual readmission. For more information regarding annual readmission, refer to the *Concordia University Student Handbook*.

CATEGORIES OF STUDENTS

Students will be classified in the following way:

1. Degree and/or certificate-seeking students:

These are students who are seeking a degree, certificate or credential at Concordia on either a full-time or part-time basis, including undergraduate, graduate, fifth-year, colloquy or ELS students. These students must apply for and be accepted to Concordia through the Admission Office or other appropriate office.

2. Non-degree students:

These are students attending Concordia on a part-time basis who are not working toward a degree, certificate or credential at Concordia. These students must complete an application for non-degree course work through the Registrar's Office before registering for classes. Before credit for these courses can be applied toward a degree, certificate or credential these students must complete the application process through the Admission Office.



Tuition

2005-2006

CONCORDIA UNIVERSITY

Official Notification of 2005/2006 Tuition and Fees

[No other source shall be used to quote university tuition or fees]

	<u>Summer 05</u>	<u>Fall 05/Spring 06</u>
BA STUDENTS		
Application fees (non-refundable):		\$50
Tuition (\$100 deposit required)		\$9,965/semester
• Part-time tuition	\$400/unit	\$600/unit
• Summer on-line courses (includes books)	\$849/class	na
• Audit tuition		\$300/unit
• Applied music		\$410/unit
CU Accelerate		
• Students (DC3)	\$355/unit	\$355/unit
• Students (DC4)	\$375/unit	\$375/unit
Student teaching fees:		
• Ryan Program		\$250
• TPA Practicum-SB 2042 Program		\$125
• SB 2042 Program		\$250
Graduation Fee		\$75
Housing (Dormitory)		
• Housing security deposit		\$300
• Quads		\$2,300/semester
• Rho, Sigma		\$2,125/semester
Meal Plan		
• five meals/week		\$750/semester
• ten meals/week		\$1,200/semester
• fourteen meals/week		\$1,300/semester
• nineteen meals/week		\$1,400/semester
English Language School		
Application fee (non-refundable)		\$125
Tuition	\$3,110/summer	\$4,465/semester
• Part-time tuition		\$300/unit
Housing (dormitory):		
• Quad	\$1,340/summer	\$2,300/semester
• Rho/Sigma		\$2,125/semester
Activity Fee	\$75	\$75
Graduate/credential students		
DCE/Internship (flat rate)		\$4,675
Credential	\$410/unit	\$410/unit
Student teaching fees:		
• Ryan Program		\$250
• TPA Practicum-SB 2042 Program		\$125
• SB 2042 Program		\$250
Master's Programs		
• Coaching	\$315/unit	\$315/unit
• Education	\$410/unit	\$410/unit
• International Studies	\$390/unit	\$390/unit

• Theology	\$450/unit	\$450/unit
• Cross-cultural Ministry Center	\$450/unit	\$450/unit
• Business Administration	\$535/unit	\$535/unit
Application fee (non-refundable)	\$50	\$50
Housing (dormitory)	\$1,340/summer	same as for BA student
Housing security deposit	\$300	
All International Students		
Application processing fee (non-refundable)	\$125	

REFUND POLICY

CANCELLATION OF ENROLLMENT. A student may terminate enrollment prior to the beginning of the semester by mailing such notice by CERTIFIED MAIL. The effective date of cancellation is the date postmarked.

INSTRUCTIONAL MATERIALS. Information about refund and book buy back policies is available in the Bookstore.

THREE-DAY REFUND PERIOD. An enrollee may cancel enrollment within three working days following registration and receive a refund of all monies paid except the tuition deposit, provided no classes have been attended.

REFUND AFTER CLASSES BEGIN. Students who withdraw from school after classes begin may apply in the Student Accounts Office for refunds (i.e., tuition, room, board). Concordia University's refund policy is determined by a weekly percentage until the 60 percent or greater point in the semester is reached. **The student is responsible for paying any outstanding charges to the university.**

RETURN OF TITLE IV FEDERAL FINANCIAL AID POLICY. This policy is in effect as a result of the Higher Education Amendments of 1998 (HEA 98). The Federal Title IV programs covered under this policy include Federal Pell Grant, Federal SEOG, Federal Stafford Loan and Federal Plus Loan. A student withdrawing from Concordia University during a semester must file an Official Withdrawal Form with the Registrar's Office. If a student is not able to visit the office, he/she may contact a staff person in the Registrar's Office regarding the withdrawal date. The student's official withdrawal date will be determined by the university as: 1) the date the student began the university's withdrawal process; 2) the midpoint of the semester, if the student withdraws without notifying the university; or 3) the student's last date of attendance at an academically related activity, as documented by the university.

If the student begins the withdrawal process and then later decides to continue attendance at Concordia University, the student must indicate this in writing to the Registrar's Office and indicate that his/her intention is to complete the semester.

If the student withdraws during a semester, the portion of the federal grants and loans a student is entitled to receive is calculated on a percentage basis by comparing the total number of days in the semester to the number of days that the student completed before he/she withdrew. If the percentage earned is 60 percent or greater, the student is considered to have earned 100 percent of eligibility. This policy does not affect the student's charges. The university's withdrawal policy will be used to determine the reduction, if any, in the student's tuition, room and board charges. If it is determined that a portion of the financial aid received on the student's behalf is unearned, the university shares with the student the responsibility of returning those funds. Any grants and loans that a student is required to return to the federal programs are considered an overpayment. The student must either repay the amount in full or make satisfactory payment arrangements with the Department of Education to repay the amount. **If the student fails to repay or make arrangements to repay an overpayment, the student will lose his/her eligibility to receive future federal financial aid at any institution.**

Financial Aid

Obtaining a quality education today represents not only an investment of time and energy, but a substantial financial commitment as well. While the responsibility for financing university costs belongs to students and their families, the university will assist in meeting this financial obligation. Concordia University helps its students discover every possible source of aid. Every effort is made to identify the student's needs and to create a financial aid package to meet those needs.

Concordia University participates in many excellent programs of financial aid to college students which have been developed nationally, within the state of California and within the church. Included in the various sources of aid are:

- Cal Grant A and B and T
- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant (SEOG)
- Federal Stafford Student Loan
- Federal Unsubsidized Stafford Loan
- Assumption Program of Loans for Education (APLE)
- Federal Parent Loan for Undergraduate Students (PLUS)
- LCMS District Grants
- Federal College Work Study
- Veterans Benefits

CONCORDIA UNIVERSITY SCHOLARSHIPS, AWARDS, GRANTS AND AID:

- President's Scholarship
- Honors Scholarship
- Regent's Scholarship
- Provost's Scholarship
- Dean's Scholarship
- Intercultural Leadership Scholarship
- Christ College Grant
- Congregational Matching Grant
- Lutheran High School Graduate Award
- Lutheran Student Award
- Diversity Award
- Sibling Grant
- Friends of Concordia Grant
- Athletics Award
- Music Award
- Theatre Award
- Art Scholarship
- Speech Team Award
- Concordia Work Study

APPLYING FOR AID

1. Students applying for financial aid must complete the “Free Application for Federal Student Aid” (FAFSA) form at www.fafsa.ed.gov. The paper application is available from high schools, community colleges and the Concordia University Admission Office.

Please read and follow the instructions on the application carefully. Fill out the application completely and accurately and do not leave any items blank.

Be sure to indicate “Concordia University, Irvine, CA,” and the code no. 013885 in the proper place on the application.

All California residents must apply for a Cal Grant from the California Student Aid Commission. This is done by completing the FAFSA and a GPA Verification Form by March 2nd. California residents are encouraged to apply for both Cal Grants A and B; however, only one of these awards may be accepted if offered. Please adhere to the deadlines as printed in the Concordia University Financial Aid Packet and in the FAFSA.

Apply online at www.fafsa.ed.gov or mail the FAFSA to the address provided on the application.

2. Complete a “Concordia University Financial Aid Application,” and submit it to the Concordia University Admission Office as soon as possible. These applications are contained in the financial aid application packet or by request from the Admission Office. Be specific and accurate when completing the application and the FAFSA.

Students will not be considered for aid unless they have completed the Concordia University Financial Aid Application.

AWARDING OF FINANCIAL AID

Financial aid is awarded to eligible applicants after the following requirements have been fulfilled:

1. Acceptance for admission or readmission to Concordia University.
2. Completion of all application procedures including the completion of the FAFSA and the Concordia University Financial Aid Application.
3. Submission of all supporting or requested documents to the Admission Office.

Once all the requirements above have been met, the university will begin to make financial aid offers to eligible students in the order that files are completed.

Applicants can avoid delay in receiving financial aid offers by filing all necessary forms by deadline dates and by applying early for admission to Concordia University.

All financial aid is awarded on a year-to-year basis and is dependent upon sufficient funding. Therefore, it is advisable to apply early and adhere to deadline dates. Awards are made on a first-come, first-served basis to all eligible applicants as funds are available.

Students must complete their financial aid files by March 2nd in order to receive 100% of the institutional aid to which they are entitled the following academic year. Returning students who complete their financial aid files after April 15th will receive \$1000 less in institutional aid. Returning students who complete their files after June 29th will receive 50% less in institutional aid.

Continued eligibility during the academic year in which aid is received is governed by the number of units enrolled in each semester. All funds administered by Concordia University require that a student be enrolled full-time to receive full funding. To qualify as a full-time student, a student must register for a minimum of 12 units per semester.

If a student fails to maintain satisfactory academic progress (at least 24 units per academic year and a cumulative GPA of 2.00 or above), financial aid may be terminated until the required levels are reached. Institutional aid requires a cumulative GPA of 2.5 or higher.

A student who falls below the satisfactory progress minimum as stated above and loses financial aid eligibility, may reestablish eligibility after the successful completion of at least one semester following disqualification with restrictions. That student shall be considered on financial aid probation for the following year, academic progress will be monitored and the award(s) shall be semester to semester. If the student maintains satisfactory progress during that year, probationary status will be removed and the student will again be eligible without these restrictions. In addition, a student must complete their program within 192 attempted credits.

Institutional financial aid eligibility is dependent upon timely payment of the portion of tuition and fees due from the students. Non-payment of the balance due by the due date may result in the cancellation of the institution financial aid awarded. Please refer to the current Concordia University publication *Making College Affordable* for specific information about eligibility requirements for institutional aid.

Each student is encouraged to investigate other resources available for financial aid. Numerous civic clubs, congregations organizations, employers and state and federal agencies offer assistance to university students.

Concordia University realizes that financial aid can be a very complex matter and that every family's financial situation is different. For further information regarding Concordia's financial aid program—the application process, submission of forms, determination of need, eligibility requirements and award process, rights and responsibilities of recipients—please request a copy of *Making College Affordable* by writing or calling:

Financial Aid Office
Concordia University
1530 Concordia West
Irvine, CA 92612
(949) 854-8002, extension 1136

The Financial Aid Office may be contacted by e-mail at <finaid@cui.edu>.

PLEASE NOTE: Concordia University considers finances and financial aid as personal matters and all related information is held in the strictest confidence by the university.



Student Life Information

STUDENT ACTIVITIES

Rich opportunities for student involvement exist at Concordia University. The Student Services Office in coordination with the ASB Executive Board and the Student Life Board annually plans a variety of social, cultural and recreational events. These events provide opportunities for students to enjoy fun and fellowship, learn new health-related information, experience diverse cultural events and interact with faculty and staff outside of the classroom. In addition, students may further develop their leadership skills through joining a student club or organization.

Concordia University is located in an area where steady population growth is taking place, awareness of social and environmental considerations is increasing and leisure-time activities are a major concern. These factors combine to create a wide spectrum of opportunities for both service and recreation in the surrounding area. Possibilities for community service exist in neighboring congregations and in private and governmental agencies which offer a variety of social services.

Exciting recreation awaits along miles of beautiful ocean beaches and in the countless inland areas. Mountains are within weekend excursion distance; swimming, sailing, fishing and sightseeing in a wide variety of cultural settings, including Disneyland and South Coast Plaza, are available closer to the campus.

SPIRITUAL LIFE

Recognizing that worship life is an integral part of the student's total growth, Concordia University facilitates structured daily worship services, dorm devotions and Bible studies.

Under the auspices and with the support of area churches of The Lutheran Church—Missouri Synod (LCMS), Concordia has established a congregation on the campus of the university to minister to the spiritual needs of students and to offer them fellowship with other Christians. Students who come to Concordia without membership in a church are encouraged to become members of this congregation. Those LCMS students with an active membership in a congregation outside the immediate area are encouraged to become "associate" members of the campus congregation.

COUNSELING AND ADVISING

The developmental needs of students are among the highest priorities of the university. Although students are free to seek guidance or counseling from any faculty member, the university provides several avenues to meet the total needs of the students.

GENERAL COUNSELING. Students wanting emotional guidance or therapy should consult with their Resident Coordinator, the Dean of Students or the Wellness Center staff.

ACADEMIC ADVISING. Each student is assigned a staff advisor who helps the student plan a degree program. The staff advisor also assists with registration for individual courses and approves the student's course selections. In addition, each student is assigned a faculty advisor in the student's major or professional preparation program. The faculty advisor provides assistance with course sequencing and career information.

LEARNING SERVICES. Learning Services provides academic support to all Concordia students. Group tutoring by peer tutors is offered free of charge for selected classes. Individual advising is available for students who desire additional strategies for time management, study skills, note taking and test taking.

Learning Services also facilitates limited accommodations for students with documented disabilities. Students should file requests for accommodations with Learning Services at the beginning of each semester. To receive accommodations for the first time, students must provide Learning Services with the required verification and documentation of the disability. This documentation must include testing services completed within the last three years.

CAREER SERVICES. Career Services offers a variety of assessment instruments, research techniques and occupation information to assist students with academic major, career and graduate school decisions as well as job search strategies. In addition, students are encouraged to attend various occupational seminars, skill workshops and the annual Career Fair.

INTERNATIONAL STUDENT SERVICES. The International Student Office provides orientation to the campus and the community for newly-admitted international students. The enrollment counselor will connect the international student to the health and student services offices for academic concerns, cultural adjustments and other necessary support services.

HEALTH SERVICE

Primary health care is available for full-time undergraduate B.A., ELS and resident graduate students at the Wellness Center, staffed by a nurse practitioner at specified hours. Other students may request care on a fee for service basis. The Wellness Center is not equipped for emergency care which is available at local hospitals and emergency rooms.

Each student must provide health history, immunization information and evidence of health insurance coverage at the time of registration. Students who do not have health insurance can purchase coverage offered through Concordia.

Concordia University assumes no liability for student illness or injury and no responsibility for medical services contracted for by individual students.

DINING SERVICES

The university contracts with Bon Appétit Management Company to provide food service for students. Bon Appétit will cooperate with students who, for medical reasons, require special diets.

The meal plan is regarded as a very important aspect of the university's social and intellectual life. It is here that informal interchange between cultures and ideas takes place. Therefore, the university requires that *all freshman students living in residence halls* subscribe to at least a fourteen-meal plan which provides two meals each day, seven days a week. All students living in residence halls are required to participate in a meal plan. Contact University Services for more information.

RESIDENCE HALLS

Because Concordia University is concerned about the total welfare of its students, it seeks to insure that full-time students have housing accommodations which promote academic, social and spiritual growth. Unmarried students 22 years old or younger who do not live with their parents or close relatives are required to live on campus.

Students living on campus will be assigned to a two-bedroom apartment that will accommodate four or possibly five students. Please be aware that private bedrooms are not available in any of Concordia's residence halls. Residence halls are under the direction of the Director of Residence Life and the Resident Coordinators.

Occupants of the residence halls are responsible for rooms and equipment supplied by the university. Students must maintain full-time status while living in university housing.

AUTOMOBILES AND MOTORCYCLES

Student-owned or student-operated vehicles must be registered with the Security Office of Concordia University. If a student plans to use the on-campus parking facilities, the automobile or motorcycle must bear a sticker obtained from the Security Office. It is the student's responsibility to observe all ordinances of the state of California with respect to registration and operation of motor vehicles as well as parking regulations at Concordia University. The university cannot assume liability for loss or damage by theft or accident involving automobiles or motorcycles, the owners of which are advised to provide adequate insurance protection. All vehicles must be parked properly in the parking facilities provided.

STUDENT CONDUCT AND PERSONAL DEVELOPMENT

The faculty and staff of Concordia University expect that all students will exhibit personal evidence of development in all aspects of their lives. Assistance in promoting such growth is provided through academic programs, co-curricular activities and individual consultation involving regular evaluation.

Students are expected to conduct themselves in a responsible manner in all aspects of their daily living. Students at Concordia University are present on the campus not by right, but by privilege accorded annually to those who contribute to the achievement of the objectives of the university. At the discretion of the administration, a student may be dismissed from school for serious misconduct. For further details on student conduct, student records and disciplinary matters, consult the *Concordia University Student Handbook* which can be obtained from the Student Services Office.

STUDENT RECORDS

Pursuant to federal law, all student records, including evaluations, transcripts, letters and descriptions of individual students are open to review by the student to whom they pertain. Student records are the property of the university. Should any student believe records maintained in the university file to be inaccurate or unjust, that student is entitled to prepare a disclaimer or a reply to that student record. One copy of such a disclaimer will be stapled to each copy of the student record.

Officers of the federal and state government and representatives of accreditation agencies may have legal access to these files, as well as Concordia University officials who are required to perform duties which necessitate having access to these files. No official is permitted to make any use of the information contained in personal files other than what is required by that official's normal duties.

LEAVE OF ABSENCE

Concordia University may grant a leave of absence for university purposes. However, any leave of absence longer than 180 days or where a terminated course must be retaken upon the student's return is not official for U.S. Department of Education purposes. Federal policies relating to leave of absence do not apply at Concordia University. A leave of absence will be treated as a withdrawal. Students may request a leave of absence by requesting a withdrawal form from the Registrar's Office and having it approved by the vice president for student services. Students wishing to return to Concordia University after a leave of absence must go through the readmit process and should contact the Concordia Admission Office for an application for readmission.

PLACEMENT ASSISTANCE

Concordia University provides placement assistance to Lutheran Church—Missouri Synod (LCMS) church career candidates and to public and private teacher education candidates through the Director of Church and Education Career Services. Career services include maintenance of a candidate information file (sometimes called a “placement” file) which is sent to prospective employers at the request of the student. While career services are often referred to as “placement” services, no guarantees are expressed nor implied that Concordia University will find employment for graduates and Concordia University does not assume responsibility for finding such employment. All candidates, regardless of program, are responsible for providing and submitting the necessary paperwork for their information file to the Church and Education Career Services Office prior to the time they are seeking employment assistance. Career services for LCMS church career candidates are conducted in conjunction with the Board for Higher Education in St. Louis, MO.

Students from all other programs are assisted by Career Services.



Academic Information

BACHELOR OF ARTS DEGREE

All students seeking the bachelor of arts degree are required to complete all general education requirements, an academic major and additional courses to fulfill a minimum of 128 semester units for graduation. The additional courses may lead to a professional program or a minor.

GENERAL EDUCATION

General education serves as the foundation for all academic work at Concordia University. It provides the essential core of knowledge an educated person is expected to possess and the skills necessary to use that knowledge effectively. General education is the basic expression of educational endeavor by which Concordia pursues its mission. Through this array of learning experiences, students work toward attaining the seven educational target goals that Concordia faculty have identified as crucial to success in academics, as well as service and leadership in career and community:

- Systematic Inquiry
- Clear Communication
- Health and Well-Being
- Sociocultural Responsiveness
- Aesthetic Responsiveness
- Christian Literacy and Life
- Servant Leadership

These facets of the general education kaleidoscope reflect Concordia's rationale for a meaningful and useful education:

1. The ability to formulate questions, seek pertinent data, engage in sound reasoning and derive incisive conclusions anchors a sound and effective education.
2. The ability to frame a message in terms appropriate to its intended audience, and to use written, spoken and visual language to convey it by the most effective means, constitute the vehicle through which interpersonal relationships are shaped and ideas are expressed.
3. Health and well-being encompass not only physical but also psychological and spiritual elements that support purposeful work, learning and service.
4. A global perspective of the world acquired through historical and cross-cultural study, and acquisition of interpersonal skills, is requisite to responsible twenty-first century citizenship and respectful and positive interaction with diverse people.
5. Exploration of the everyday experience of beauty and ugliness, order and chaos, symbolism and allusion, creativity and communication, are essential to understanding and thoughtful response to all elements of human experience and existence.

6. Faith in Christ, as described in the prophetic and apostolic writings of scripture and explicated by the reformers of the sixteenth century, integrates the fields of human knowledge in a manner equaled by no other cognitive grid.
7. Serving others, and thereby serving God, motivated by gratitude for salvation through Christ, provides the most fundamental orientation for successful leadership.

The Concordia educational targets bridge individual disciplines and help to differentiate between them. Their achievement through general education prepares the student for in-depth study in one or more major fields selected to meet professional and career goals.

BACHELOR OF ARTS DEGREE REQUIREMENTS

I. GENERAL EDUCATION REQUIREMENTS

49 UNITS

Requirements for Math and Science

**Courses required for Liberal Studies Major*

Select one of the following 4

Bio 101 Principles of Biology* 4

or Bio 111 General Biology I (*required for biology major*) 4

Select one of the following: 3

Mth 201 Principles of Mathematics* 3

or Mth 211 or The Nature of Mathematics

or Mth 251 or Pre-Calculus

or Mth 265 or Introduction to Statistics**

**with approval of Natural Science Division chair

Select one of the following: 4

Sci 115 Physical Science* 4

or Che 221 or Chemistry I 4

or Phy 211 or Physics I 4

Requirements for Humanities

Com 111 Public Speaking* 3

Eng 102 Writing and Research* 3

Eng 201 Themes in Literature* 3

Requirements for Fine Arts

Select one course from each of two different arts: 3

Art 101 Experiences in Art* 1.5

or Art 200 Elements of Art 3

Mus 101 Experiences in Music* 1.5

or Mus 102 or Creative Musicianship 1.5

or Mus 201 or Music Theory I 3

Thr 101 Experiences in Theatre* 1.5

or Thr 251 or Introduction to Theatre 3

Requirements for Social Sciences

Psy 101 Introduction to Psychology 3

or Ant 210 or Cultural Anthropology*

or Soc 101 or Introduction to Sociology*

Hst 201 Western Civilization I* 3

or Hst 202 or Western Civilization II

Hst 301 Eastern Civilization* 3

or Ant 210 or Cultural Anthropology

or Ant 314	or Native Peoples of North America
or Hst 265	or Ethnic History and Issues
or Hst 351	or Latin American Civilization
or Hst 371	or Islamic Civilization

Requirements for Exercise and Sport Science

ESS 101	Education for Healthful Living*	2
ESS _____	Two different activity courses	1

Requirements for Theology

Thl 101	Foundations of Christian Theology	3
or Thl 105	or Life of Christ	
or Thl 371	or Christian Doctrine I	
or Thl 365	or Readings in Classical Christian Thought	
Thl 201	History and Literature of the Old Testament	3
Thl 202	History and Literature of the New Testament	3
Phi 201	Critical Thinking	3

Requirements for Integration

___ 411	Interdisciplinary Seminar	3
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II. OTHER ACADEMIC REQUIREMENTS 7 UNITS

- A. Academic Major (see page 38)
- B. Professional Program (if applicable) (see page 39)
- C. Graduation Requirements (see below)
- D. Minor/Electives (to reach 128 units)

TOTAL 128 UNITS

GRADUATION REQUIREMENTS

B.A. degree students must meet the following criteria:

- A. Complete at least 128 semester units or the equivalent. Only two units of physical education activity (no repeats), two units of applied music or ensemble and two units of practicum in any one subject field (after general education, program, major and minor requirements have been met) may be counted toward those 128 units. No more than 15 units of individualized study may be counted toward graduation.
- B. Complete all general education curriculum courses or the equivalent.
- C. Complete a single subject or broad field major.
- D. Complete a minimum of three theology (Thl) units at Concordia University during each full year of residence until the general education curriculum theology requirement is met. Transfer students must complete a minimum of six of the general education curriculum theology units, nine if the student's degree program requires more than two years of residency for completion.
- E. Maintain a grade point average (GPA) of 2.0 in all academic work, transferred or in residence and a minimum GPA of 2.0 in major, minor and program course work unless the major, minor or program requirement is higher than 2.0.
- F. Complete a minimum of one year residence (the last 32 semester units) as a student at Concordia.

- G. Complete a minimum of 18 upper-division units in the major and nine upper-division units in the minor (if applicable) at Concordia.
- H. Complete 39 units in upper-division (300-400 numbered) courses, of which at least 27 are taken at Concordia.
- I. Demonstrate competency in a second language or successfully complete a full year of instruction in one modern foreign or biblical language at the university level or have successfully completed (“C” average or better) two years of foreign language instruction in the same foreign language in high school. Bilingual students are exempt from this requirement.
- J. Complete Int 100 (Freshman Seminar) if the student entered Concordia with fewer than 24 semester units of university credit.
- K. File an Application for Graduation form with the Registrar by September 15th for the spring semester and April 15th for the following summer and the fall semester graduation.
- L. Complete payment of all fees and tuition due Concordia.
- M. Have faculty approval.

NO student will be allowed to take part in graduation ceremonies until ALL requirements are completed.

ASSOCIATE IN ARTS DEGREE FOR INTERNATIONAL STUDENTS

International students who are not seeking to complete a baccalaureate degree have the option of completing the associate in arts degree once they have demonstrated language competence and have met the other requirements for entrance to Concordia University. To receive an A.A. degree, the student must complete an academic minor and A.A. general education requirements.

The A.A. program requires students to complete at least 30 units of general education and enough units in a minor and electives to total a minimum of 64 units.

Applicants for the degree of Associate in Arts for International Students must also meet the following requirements:

1. Complete three theology units each year of residence until the six-unit core theology requirement is met.
2. Complete a minimum of two academic semesters in the baccalaureate program (at least 24 semester units) at Concordia University.
3. Maintain a GPA (grade point average) of at least 2.00 in all academic work.
4. File an Application for Graduation with the Registrar by September 15th of the academic year in which they plan to graduate.
5. Receive faculty approval.
6. Complete payment of all fees and tuition due Concordia University.

International students interested in pursuing this degree should contact an academic counselor for specific requirements for the degree.

ENGLISH LANGUAGE SCHOOL

This program offers a full-time course load in English as a Second Language (ESL) for international students either preparing for entrance into an American university or simply wanting to improve their English skills. The classes are designed for academic and professional preparation in reading, writing, speaking and listening. Students may live on campus and experience American university life side by side with undergraduate students. Students may transition into the degree programs of the university after completing the advanced English Language School coursework.

GRADUATE DEGREE PROGRAMS

Information pertaining to graduate programs in the Schools of Business, Education and Theology is found in the *Graduate Studies Information* link at www.cui.edu. *The Teacher Education Program Handbook—Post-Baccalaureate and Master's Degree Programs* is available at the School of Education Office.



Academic Policies

ACADEMIC COUNSELING

Each student will be assigned an academic counselor who will assist in course selection with attention to degree requirements, course prerequisites and other academic matters. **Ultimately, however, it is the responsibility of the student to maintain normal progress, to select the proper courses and to meet all graduation requirements.**

ACADEMIC HONESTY

The university expects all members of its community to act with responsibility. As an accredited institution of higher learning dedicated to the transmission of knowledge and the free inquiry after truth, Concordia strives to maintain the highest standards of academic honesty and seeks to heed the commands for honesty found in the Scriptures.

The university's definition of academic honesty and disciplinary procedures may be found in the *Student Handbook*.

ACADEMIC PROBATION AND DISQUALIFICATION

A student having a semester grade point average (GPA) below 2.0 will be placed on probation for the following semester. Students on probation may register for no more than 12 academic units. Any student whose GPA has fallen below 2.0 for two semesters and whose cumulative GPA is below 2.0 will be academically disqualified as a degree student. A student who earns a GPA of less than 1.0 in a semester will be dismissed immediately. Subsequent reinstatement may be granted by the Appeal Board only. Each student is allowed one academic appeal.

ASSESSMENT PROGRAM

Student development is the focus of Concordia's mission. Therefore, achievement of the academic goals that follow is assessed throughout the student's time at Concordia in ways that go far beyond the grades achieved in the classes taken. Knowledge, skills and attitudes are assessed at various points in the academic program in the areas of **Systematic Inquiry, Clear Communication, Health and Well-being, Sociocultural Responsiveness, Aesthetic Responsiveness, Christian Literacy and Life and Servant Leadership**. Some assessments occur within specified courses; others occur outside regular course activity.

AUDITING

Students who wish to enroll in a course without receiving credit may choose to audit the course until the last day to add each semester. Exams and papers assigned to students taking the course for credit do not apply to audit students; all other expectations are the same. A notation of "Audit" will be assigned upon satisfactory completion of the course. Audited courses do not count toward graduation requirements. Application forms and additional information may be obtained in the Registrar's Office.

CLASS ATTENDANCE

Every student is expected to attend all regularly scheduled classes. Absences for participation in university activities should be cleared with the instructor in advance and appropriate work completed.

CONCURRENT REGISTRATION

Students who wish to broaden their coursework beyond the courses offered at Concordia University may register concurrently at other accredited institutions (such as the University of California, Irvine or others in the area) after consulting with the academic counselor and obtaining permission from the provost. It is the policy of the university to pay the tuition for such a course if it fulfills a requirement in the student's program that cannot reasonably be completed at Concordia University. Students must pay for the course, though, if they choose not to take it when it is offered at Concordia or if it is taken for enrichment or personal interest. Normally, students who apply for concurrent registration must maintain a minimum of nine units at Concordia unless special permission is obtained from the provost. Students wishing to drop a course being taken concurrently must follow regular drop procedures and repay any costs Concordia University has paid. Application forms and additional information may be obtained in the Registrar's Office.

COURSE: ADD-DROP-CHANGES

A course may be **added** during the first two weeks of the semester without instructor approval. During the second week of the semester, a course may be added with instructor approval. Each school has the prerogative to limit the add period to the first week of the semester with instructor approval.

A course may be **dropped** during the first two weeks of a semester without being recorded on the permanent record, with the approval of the academic counselor and the instructor.

A student who does not attend the first day of class may be dropped at the prerogative of the instructor.

A course may be dropped from week 3-11, with a grade of "W," with the approval of the academic counselor and instructor.

A course may be dropped from week 12 through the last day of classes, with a grade of "WF," with the approval of the academic counselor and the instructor. An administrative fee will be assessed at the time of withdrawal. A course may not be dropped during finals week. Non-attendance does not constitute withdrawal from a course and will result in a grade of "F."

Failure to follow the official procedures outlined above will result in credit not being granted for courses not officially added or the assigning of the grade of "F" for courses not officially dropped. Non-attendance does not constitute withdrawal from a class.

Application forms and additional information may be obtained in the Registrar's Office.

COURSE REGISTRATION AND LOAD

To be considered full-time, an undergraduate student must be registered for a minimum of 12 units each semester. However, an average of 16 units per semester is required to reach 128 units within eight semesters (four years).

Only students with a cumulative GPA of 3.25 or higher may register for more than 18 units in one semester. No student may receive credit for more than 21 units in a semester, including units from regular courses taken on campus, courses taken off campus, individualized study courses and correspondence courses. Students who wish to take more than 18

units must file an application for overload with the Registrar's Office prior to enrolling in the additional units each semester. Students taking more than 18 units per semester at Concordia University will be assessed an overload fee in most cases. Contact Student Accounts for more details.

Undergraduate students are required to pre-enroll each year for the following academic year. Pre-enrollment generally takes place during April for the following academic year. Specific dates are published yearly through the Registrar's Office and each undergraduate will be sent a pre-enrollment packet to explain the procedure. Pre-enrollment reserves classes for the following academic year.

Fall and spring registrations occur shortly before the beginning of each semester and are required to confirm the classes selected during the pre-enrollment process. Specific registration dates are published yearly through the Registrar's Office and each undergraduate is sent a registration packet to explain the procedure.

Registration is not complete until satisfactory financial arrangements have been made. A late charge of \$100 will be assessed to those students who do not complete pre-enrollment, fall registration or spring registration by the deadline. The deadline dates are published in the university's academic calendar, available through the Registrar's Office.

COURSE REPEATS

Selected courses—usually those dealing with the development of a skill rather than with the assimilation of information—may be repeated for credit. All other classes may not be repeated for credit, but may be repeated for purposes of raising the grade. In such cases, both grades are entered on the transcript, but only the higher grade is used in computation of the cumulative GPA.

DEAN'S LIST

A full-time student whose semester GPA is 3.75 or higher is recognized as an outstanding student and is placed on the Dean's List. A full-time student whose semester GPA is between 3.50 and 3.74 is recognized for Academic Commendation. Students must carry a minimum of 12 units to be considered for recognition.

GRADING SYSTEM

The grade point average (GPA) at Concordia University is computed on a 4-point scale and determined on the basis of the scale below. Specific grading requirements for each course will vary greatly and the letter grades cannot be defined here other than in a general manner.

A	Excellent	4.0 grade points
A–		3.7 grade points
B+		3.3 grade points
B	Good	3.0 grade points
B–		2.7 grade points
C+		2.3 grade points
C	Satisfactory	2.0 grade points
C–		1.7 grade points
D+		1.3 grade points
D	Barely Passing	1.0 grade points
D–		0.7 grade points
F	Failure	0.0 grade points

Au	Audit	Assigned for classes attended for no credit and for the purpose of gaining information without the requirement of tests or papers.
I	Incomplete	Assigned when a student, with the consent of the instructor, postpones the submission of certain work because of extenuating circumstances. Incompletes must be removed within seven weeks from the beginning of the next semester excluding summer sessions unless an extension is granted by the instructor with an approval from the dean. Incompletes incurred during summer sessions must be removed within seven weeks from the beginning of the fall semester with the same stipulation. Failure to remove an incomplete will result in the automatic change to the alternate grade given at the same time as the incomplete.
IP	In Progress	Assigned when an educational experience (e.g., student teaching, practicum or internship) is designed to extend beyond a single grading period. Students have one calendar year to complete the requirements for the course. The calendar year begins on the first day of the beginning of the semester the student enrolled in the course. The "IP" grade will default to the grade of "F" after the one-year period.
P	Passing	Assigned when a course is graded on a Pass/Fail basis as opposed to an assigned grade (A through D-). Since no grade points may be assigned for a "P" grade, the course will not affect the GPA but will be counted for credit. Only specific courses may be graded using this option (i.e., TVIC 501-508, CED 490, Thl 390, Edu 400, all labs). A complete list of these courses may be obtained from the Registrar's Office.
W	Withdrawal	Assigned when a student officially withdraws from a class after census date and through week 11.
WF	Withdrawal -Fail	Assigned when a student officially withdraws from a class after week 11 through the last week of instruction.

It is the student's responsibility to bring any error in grades to the attention of the instructor within one semester following the issued grade. Grade changes are made only because of computation or recording errors and must be corrected no later than the last day of classes of the next full semester. Submission of extra work after a semester is completed will be permitted only when a grade of "Incomplete" was assigned.

HONORS AT GRADUATION

The honors listed below are awarded to qualified recipients of the bachelor of arts degree at the annual commencement ceremony. These honors are determined on the basis of the cumulative GPA of all coursework taken at Concordia University and at all other colleges and universities attended. Honors recognition for the graduation ceremony is based on GPA and credits completed through the fall semester, but the student's permanent record will designate honors including the final semester's GPA.

Cum laude (with distinction):

Awarded to students whose cumulative GPA is between 3.70 and 3.799.

Magna cum laude (with high distinction):

Awarded to students whose cumulative GPA is between 3.80 and 3.899.

Summa cum laude (with highest distinction):

Awarded to the students whose cumulative GPA is 3.90 or above.

HONORS PROGRAM

The university offers a general education Honors Program for those students meeting the honors admission requirements. Each semester certain sections of the general education curriculum are identified for honors students only. These courses are designed to provide depth as well as breadth in an academic area, thus challenging and motivating Concordia's best student scholars. Honors courses employ primary-source readings, a seminar format, collaborative activities, field trips, alternative assessment techniques and an integrative approach to topics. Students completing honors courses receive special recognition at graduation. Those successfully completing four to six honors courses graduate as an "Honors Associate" while students who successfully compete at least seven honors courses graduate as an "Honors Scholar."

INDIVIDUALIZED STUDY

Students may apply for individualized study when a required course or honors course is not offered at an appropriate time. There are two categories of individualized study. A supervised study is a course in the General Catalog that is not offered at the time a student needs to take it. An honors course is a special academic experience not offered as a regular class. All additional fees for these courses are determined by the dean of the school.

Only three units of individualized study may be taken during the same semester. These units will be counted as part of a student's course load and will be subject to course overload fees if the course load exceeds 18 units. No more than 15 units of individualized study may be counted toward graduation. Application forms and additional information may be obtained in the Registrar's office.

MAJORS, MINORS AND EMPHASES—SPECIAL REQUIREMENTS

Students may complete a major, minor or emphasis at Concordia University by completing the required units. However, the following rules apply with regard to major/minor relationships and multiple majors and emphases.

1. Each major must contain a minimum of 28 units unique to that major.
2. Each minor may contain no more than nine units or three courses that are included in the student's major or in another minor.
3. To obtain more than one emphasis in any given major, each emphasis must have a minimum of nine units unique to that emphasis. In these circumstances, only a double emphasis and not a double major will be granted.

RIGHT TO PETITION

Students may petition for the review of certain university academic policies when **unusual circumstances** exist. After action has been taken on the petition, the student will be notified of the decision. A copy of the action will be placed in the student's permanent file. Petition forms and additional information may be obtained in the Registrar's Office.

SECOND DEGREES

Students who have graduated from other institutions may also earn a bachelor's degree from Concordia University if they fulfill the following requirements:

1. They complete their final 32 units in residence at Concordia University.
2. They complete all university general education graduation requirements.
3. They complete all the courses for a major, including a minimum of 18 units of the major in residence.

Students who have received a bachelor's degree from Concordia University and return to complete the requirements for another major will not be given a second diploma, nor will their transcripts reflect a second degree. They will, however, be certified as having completed an additional major.

SIMULTANEOUS ENROLLMENT

Students who wish to broaden their educational experiences may enroll for one or two semesters at a Concordia in another part of the country through the Visiting Student Program. The program is made possible through a process of simultaneous enrollment by which students may enroll simultaneously at Concordia Irvine and at another college or university in the Concordia University System (CUS). Academic credits earned at another CUS institution are recorded as if students earned those credits at Concordia Irvine. Because the number of participants is limited each year, interested students are encouraged to contact the director of the Visiting Student Program well in advance of their intended stay at another CUS institution.

STATEMENT OF COMPLETION

Students who will graduate with more than 128 units and will continue on into Concordia University's teaching credential program may be eligible to count a portion of their final semester's units in their undergraduate degree toward their credential through a Statement of Completion. Only eligible credential courses will be counted and at least six units must still be used toward the undergraduate degree. Application forms and additional information may be obtained in the Registrar's Office.

STUDENT CLASSIFICATION

For various purposes on campus (i.e., registration, financial aid) students are classified into levels based on completed semester units. The following levels are applicable to bachelor of arts students:

Freshman	0—29.99 units
Sophomore	30—59.99 units
Junior	60—89.99 units
Senior	90 units and above

STUDY ABROAD

Concordia University has international exchange student programs with *Universidad del Noroeste* in Hermosillo, Mexico; *Korea University* in Seoul, Korea; *the University of Applied Sciences* in Luneburg, Germany; and *École Supérieure Libre des Sciences Commerciales Appliquées* in Paris, France.

Study abroad is encouraged by the university by providing information to students about a variety of study abroad programs and through its disbursement of non-university financial aid to organizations sponsoring study abroad. Pre-approval of all course work and all

programs must be made with the provost. Application forms and additional information may be obtained in the Registrar's office. Students who have their application approved will be assessed a \$100 administrative fee.

TRANSCRIPTS OF RECORD

Students may obtain an official transcript of their academic record by filing a written request with the Registrar's Office. A fee is charged for transcripts and must be paid in advance. Ten working days should be allowed for processing and mailing of the transcript. Official transcripts will not be released until all fees have been paid. Transcripts from other academic institutions are the property of Concordia University and, as such, are under the control of the Registrar's Office. Under federal policy, students have the right to view the documents in their file; the university will not make copies of these documents. Transcripts submitted to Concordia University for admission or credit transfer become property of Concordia and will not be returned to students or forwarded to other institutions.

WAITLISTS

Occasionally courses reach their size limits and students who wish to take those courses may choose to be placed on a waitlist. Waitlists are managed by the Registrar's Office. Waitlists are resolved as spaces become available in the course or as class limits are raised for the particular section. Waitlists are generally resolved in numerical order; however, the dean of the school may use his/her discretion to resolve waitlists. Students who do not receive notice from the Registrar's Office that their waitlisted course(s) has been added to their schedule should report to the class on the first day and add the class(es) following the normal add/drop procedures.

WITHDRAWAL FROM SCHOOL

Undergraduate students who will no longer continue their enrollment at Concordia University must withdraw formally from the university. Withdrawal from all courses may take place through the last day of the semester. Non-attendance does not constitute withdrawal from classes and will result in grades of "F." Please contact Student Accounts to learn about the refund policy after withdrawal. Withdrawal forms are available in the Registrar's Office.



Majors & Minors

Majors and minors are offered through the divisions and departments of the School of Arts and Sciences, the School of Business, the School of Education and the School of Theology.

SINGLE SUBJECT MAJORS

Art	Mathematics
Biology	Music
Chemistry	Political Science
Christian Education Leadership	Psychology
Communication	Theatre
English	Theology
History	

BROAD FIELD MAJORS

Behavioral Science	Information Technology/Informatics
Biology	International Business
Business Administration	International Studies
Exercise and Sport Science	Liberal Studies
Humanities	Theological Studies

MINORS

Accounting	History
American Studies	Information Technology
Anthropology	Mathematics
Art	Missiology
Biblical Languages	Music
Biology	Philosophy
Business	Political Science
Chemistry	Psychology
Communication	Sociology
Cross Cultural Studies	Spanish
Early Childhood	Theatre
English	Theology
Exercise and Sport Science	Writing

NOTE: Completion of a major does not constitute completion of professional program requirements. For specific program requirements see pages 74-77, 92-94, 100-102.

Professional Programs

Concordia University offers a variety of professional programs designed to prepare students for either full-time church vocations or secular occupations. Each professional program is built upon an academic major and requires additional professional courses and experiences which serve to prepare students for entrance into a profession and/or for graduate education that will further serve to equip students for their chosen career.

General admission to the university does not constitute admission to a professional program. Students are not required to enter a professional program and may choose to graduate with a “Liberal Arts” designation. Until they apply to a program, all students are designated as liberal arts students. Students may apply to a professional program at any time and, if they meet entry standards, will be classified as “Conditional” or “Accepted” in that program, depending on their qualifications. Should students not be admitted to a program or not continue in a program for whatever reason, they are returned to the liberal arts status. The following professional programs are available:

SCHOOL OF ADULT STUDIES

Graduate Program

M.A. in International Studies

SCHOOL OF ARTS AND SCIENCES

Undergraduate Programs

- Pre-Law
- Pre-Social Work
- Pre-Medical Professions
 - Pre-Physical Therapy
 - Pre-Medicine

Graduate Program

M.A. in Coaching and Athletic Administration

SCHOOL OF BUSINESS

Graduate Program

Master of Business Administration

SCHOOL OF EDUCATION

Undergraduate Programs

- Elementary Education Program/
Multiple Subject Teacher Credential
 - Liberal Studies Subject Matter

Secondary Education Program/
Single Subject Teacher Credential

- English Subject Matter Preparation
 - Mathematics Subject Matter Preparation
 - Science Subject Matter Preparation
 - Biological Sciences
- Lutheran Teacher Certification

Post Baccalaureate Programs

- Teacher Credential Program
- M.Ed./Credential Combined
- M.A. in Curriculum and Instruction
 - Reading Emphasis
 - Early Childhood Emphasis
 - CLAD Emphasis
 - K-12 Emphasis
 - Professional Goals Emphasis

M.A. in Administration

- Prelim. Admin. Services Credential
- Prof. Admin. Services Credential

Certificates

- CLAD
- Reading

SCHOOL OF THEOLOGY**Undergraduate Programs**

- Director of Christian Education
- Pre-Seminary Studies

Graduate Programs

- Cross-Cultural Ministry
- M.A. in Theology
 - Christian Leadership
 - Theology and Culture
 - Research in Theology

CHRIST COLLEGE (CHURCH PROFESSIONS CERTIFICATION PROGRAM)

- Director of Christian Education
- Pre-Seminary
- Director of Parish Music

- Lutheran Teaching Ministry
 - Elementary Education
 - Secondary Education



School of Adult Studies

DR. TIMOTHY PETERS,
DEAN

- ◆ **CU Accelerate Degree Completion Program**
- ◆ **M.A. in International Studies**
- ◆ **English Language School**
- ◆ **Shenzhen Teacher Training**

Majors
Applied Liberal Arts
Business Leadership Administration

For Information about programs and majors, contact the dean of the School of Adult Studies.

The School of Adult Studies seeks opportunities to extend the educational mission of the university by serving adult and non-traditional students. While staying within the mission of the university, The School of Adult Studies serves these students using varied delivery models and structures that respond to the learning needs of these constituencies. The degree completion majors serve adults who may believe that they could never earn their degree. The programs with China provide two way exchanges of culture and education that benefits the university as well as the international learner. The school continuously seeks new ventures which will extend the university into the community. Thus new programs are in continuous development.

The specific programs include the adult degree completion program for adults seeking to earn the bachelor's degree; the Master's Degree in International Studies for college graduates who spend a year teaching English in China while simultaneously earning a master's degree in international studies; the Shenzhen Teacher Training Program for teachers in China who spend three months studying western teaching methodologies in the United States; and the English Language School program for post high school students who receive intensive English training for 12-18 months.

The purpose of the School of Adult Studies is to provide learning opportunities for adult learners through credit and non-credit courses and through degree completion programs which allow adults to pursue career and personal lifelong learning goals.

SCHOOL OF ADULT STUDIES EDUCATIONAL TARGETS AND GOALS

1. Systematic Inquiry

GOAL: Students will acquire and continue to use systematic skills for encountering knowledge. They will articulate a problem, structure an investigation, gather suitable resources, organize and manipulate qualitative or quantitative data, and think critically to reach appropriate conclusions.

2. Clear Communication

GOAL: Students will acquire and continue to use knowledge and skills for sharing thoughts, data and feelings through writing, speaking, selected technical media and information management.

3. Health and Well-Being

GOAL: Students will acquire and continue to use knowledge and skills which enhance their physical, economic, psychological and spiritual well-being and environment, laying the groundwork for satisfying and responsible leisure as well as vigorous and purposeful work.

4. Socio-Cultural Responsiveness

GOAL: Students will acquire and continue to use knowledge and skills for effective, respectful and positive interaction with the variety of the world's peoples, cultures, societies and traditions.

5. Aesthetic Responsiveness

GOAL: Students will acquire and continue to use knowledge and skills for perceiving the elements of human feeling, their synthesis, and their expression in artistic media. Students will shape their own affective response through selected media including writing, drama, music and visual arts.

7. Christian Values

GOAL: Students will acquire knowledge of and appreciation for Christian faith, biblical and confessional principles, God's creation, God's redemption, Christian witness and humanitarian service.

8. Servant Leadership

GOAL: Students will acquire and continue to use knowledge and skills to perceive the needs of others, stimulate a vision for positive response and collaborate within communities to achieve the desired results.

School of Arts and Sciences

**DR. KENNETH E. MANGELS,
DEAN**

The School of Arts and Sciences strives to educate its students within the multi-faceted context of the liberal arts. Using both the riches of the past and the knowledge of today, Concordia instills in its students a disciplined and coherent worldview to prepare them to be active and effective leaders in today's world.

The school is responsible for the general education offerings of the university and monitors the courses, majors, minors and professional programs of the school through the five academic divisions: exercise and sport science, fine arts, humanities, natural science and social science.

- ◆ **Division of Exercise & Sport Science**
Dr. Vance Tammen, Chair
Athletic Training
Exercise & Sport Science
- ◆ **Division of Fine Arts**
Dr. Herbert Geisler, Chair
Art
Music
Theatre
- ◆ **Division of Humanities**
Dr. Kerri Thomsen, Chair
Communication
English
Spanish
Writing
- ◆ **Division of Natural Science**
Dr. Bret Taylor, Chair
Biology
Chemistry
Mathematics
Physics
- ◆ **Division of Social Science**
Dr. Buddy Mendez, Chair
American Studies
Anthropology
Behavioral Science
Cross Cultural Studies
History
Political Science
Psychology
Social Work
Sociology
- ◆ **Honors Program**
Dr. Kenneth Mangels, Director
- ◆ **M.A. in Coaching and Athletic Administration**
Dr. Vance Tammen, Director

School of Arts & Sciences

Division of Exercise and Sport Science

- ◆ **ATHLETIC TRAINING**
- ◆ **EXERCISE & SPORT SCIENCE**
- ◆ **M.A. IN COACHING AND ATHLETIC ADMINISTRATION**

Dr. Vance V. Tammen, Chair

Curt W. Cattau	Asst. Professor of ESS	PhD Cand.	University of NM, Albuquerque, 2000
Mary K. Scott	Professor of ESS	EdD	Pepperdine University, Malibu, CA, 1996
Vance V. Tammen	Assoc. Professor of ESS	PhD	University of Illinois, Urbana, 1996
Christopher S. Teich	Asst. Professor of ESS	MS	CSU, Long Beach, CA, 2000

The purpose of the Exercise and Sport Science Division is to develop a student's cognitive, affective and psychomotor abilities. The division presents content that covers the areas of athletic training, rehabilitation, teacher education, exercise science, wellness, recreation, coaching and sport management.

DIVISION GOALS

1. **SYSTEMATIC INQUIRY**
 - **Skill in Scholarship.** Graduates will be able to use scholarly resources and related material appropriate for the discipline to understand new and useful information in the field of exercise and sport science.
 - **Critical Thinking.** Graduates will be able to recognize problems and, through investigation and critical thinking, achieve an appropriate response.
2. **CLEAR COMMUNICATION**
 - **Professional and Interpersonal Communication.** Graduates will be able to communicate effectively with colleagues, parents, students and peers using correct language skills and appropriate verbal and non verbal techniques.
3. **HEALTH AND WELL-BEING**
 - **Balanced Lifestyle.** Graduates will relate healthy life choices to spiritual development. Graduates will be able to assess physical needs and develop a personal fitness and nutrition program. Graduates will articulate an understanding of lifestyle choices and techniques related to development of healthy practices for the individual.
4. **SOCIOCULTURAL RESPONSIVENESS**
 - **Concern for all People.** Graduates will demonstrate a sensitivity and ability to adapt to special needs populations, gender and multicultural environments.
5. **AESTHETIC RESPONSIVENESS**
 - **Artful Comprehension.** Graduates will be able to recognize elements of movement as artistic expression.
 - **Artful Sensitivity.** Graduates will be able to discern emotion and feeling in movement experiences.

6. CHRISTIAN LITERACY AND LIFE

- **Ethical Decision-Making.** Graduates will be guided by biblical principles as they encounter human problems that require decisions to be made.

7. SERVANT LEADERSHIP

- **Profession and Service Attitude.** Graduates will respond to the needs of people and the profession from a spiritual perspective and seek opportunities to fulfill those needs in their private and professional lives.

ATHLETIC TRAINING PROGRAM ADMISSION CRITERIA

The Athletic Training Program at Concordia University Irvine is designed to educate undergraduate students who are interested in pursuing a career in the field of athletic training. The mission is to provide a didactic and clinical education program that will prepare students for professional careers as Certified Athletic Trainers (ATC).

The Athletic Training Program at Concordia University, Irvine is a selective admissions program, which culminates in a bachelor of arts degree. After completing the observation period, the student will have the opportunity to apply to the program. Students are admitted to the program in April for entrance in the program the following fall. The application date will be set by the director of athletic training.

Admission to the Athletic Training Program is competitive and based on the following:

1. Application
2. Attendance during the observation phase
3. Grade point average during the observation phase
4. Skill acquisition during the observation phase
5. First Aid and CPR certification
6. HBV vaccination
7. Personal interview
8. Staff evaluations

The application form can be obtained from the director of athletic training and must be submitted with all materials by April 1 to the director's office.

Transfer students need to meet the same admission criteria as entering freshmen and should plan on taking three years to complete the program, regardless of their academic status upon admission to the program.

For a student to remain in the program, the following criteria must be met:

1. Maintain a cumulative 2.75 grade point average in all coursework.
2. Attend all scheduled Athletic Training Program meetings.
3. Meet all clinical requirements.

Concordia's Athletic Training Program has attained candidacy status and is seeking full accreditation by the JRC-AT and CAAHEP. An accreditation decision is anticipated by summer 2005.

MAJOR

EXERCISE AND SPORT SCIENCE MAJOR

45-64 UNITS

Core: (30 Units)

Bio 246	Human Anatomy	4
Bio 247	Human Physiology	4
ESS 110	CPR / First Aid	1
ESS 304	Motor Learning and Development	3
ESS 320	Historical, Social and Cultural Foundations	3
ESS 350	Sport Law	3
ESS 365	Sport Psychology	3
ESS 406	Physiology of Exercise	3
ESS 407	Kinesiology	3
ESS 410	Measurement and Evaluation of Exercise	3

Emphasis

Choose one of the following:

Emphasis: (15-34 Units)

Athletic Training (34 Units)

Bio 360	Nutrition	3
ESS 238	Observational Clinical Coursework I	1
ESS 239	Observational Clinical Coursework II	1
ESS 308	Care and Prevention of Athletic Injuries	3
ESS 310	General Medicine/Pharmacology	2
ESS 338	Beginning Clinical Coursework I	1
ESS 339	Beginning Clinical Coursework II	1
ESS 348	Recognizing and Evaluating Athletic Injuries I	3
ESS 349	Recognizing and Evaluating Athletic Injuries II	3
ESS 358	Therapeutic Exercise	3
ESS 368	Therapeutic Modalities	3
ESS 388	Intermediate Clinical Coursework I	1
ESS 389	Intermediate Clinical Coursework II	1
ESS 408	Advanced Athletic Training	3
ESS 428	Athletic Training Administration	3
ESS 438	Advanced Clinical Coursework I	1
ESS 439	Advanced Clinical Coursework II	1

Coaching (15 Units)

ESS 225	Principles of Weight Training & Cross Training	3
ESS 308	Care and Prevention of Athletic Injuries	3
ESS 322	Organization and Management of Sport	3
ESS 360	Principles of Coaching	3
ESS 394	Coaching Practicum	3

Exercise Science (18 Units)

Bio 360	Nutrition	3
ESS 225	Principles of Weight Training & Cross Training	3
ESS 322	Organization and Management of Sport	3
ESS 325	Advanced Personal Training	3
ESS 358	Therapeutic Exercise	3
ESS 393	Exercise Science Practicum	3

Rehabilitation (20 Units)

Bio 360	Nutrition	3
ESS 308	Care and Prevention of Athletic Injuries	3
ESS 310	General Medicine/Pharmacology	2
ESS 348	Recognizing and Evaluating Athletic Injuries I	3
ESS 349	Recognizing and Evaluating Athletic Injuries II	3
ESS 358	Therapeutic Exercise	3
ESS 368	Therapeutic Modalities	3

Teacher Education (18 Units)

ESS 303	Health	3
ESS 340	Elementary Physical Education	3
ESS 355	Individual Activities	3
ESS 357	Team Activities	3
ESS 370	Adaptive and Corrective Physical Education	3
ESS 376	Physical Education Management	3

MINOR**EXERCISE AND SPORT SCIENCE MINOR****18 UNITS**

ESS 304	Motor Learning and Development	3
ESS 320	Historical, Social and Cultural Foundations	3

*Emphasis**Choose one of the following:***Emphasis (12 units)****Coaching**

ESS 360	Principles of Coaching	3
<i>Choose three from the following:</i>		9
ESS 225	Principles of Weight Training & Cross Training	3
ESS 308	Care/Prevention of Athletic Injuries	3
ESS 350	Sport Law	3
ESS 358	Therapeutic Exercise	3
ESS 365	Sport Psychology	3
ESS 394	Coaching Practicum	3

Exercise Science

ESS 225	Principles of Weight Training & Cross Training	3
ESS 325	Advanced Personal Training	3
<i>Choose two from the following:</i>		6
ESS 322	Organization and Management of Sport	3
ESS 350	Sport Law	3
ESS 365	Sport Psychology	3
ESS 368	Therapeutic Exercise	3
ESS 393	Exercise Science Practicum	3

Teacher Education

ESS 303	Health	3
ESS 376	Physical Education Management	3
<i>Choose two from the following courses:</i>		6
ESS 340	Elementary Physical Education	3
ESS 355	Individual Activities	3
ESS 357	Team Activities	3
ESS 370	Adaptive/Corrective Physical Education	3
ESS 392	Teacher Education Practicum	3

School of Arts & Sciences

Division of Fine Arts

- ◆ ART
- ◆ MUSIC
- ◆ THEATRE

Dr. Herbert Geisler, Chair

Gretchen J. Beck	Assoc. Professor of Art	MFA	University of Iowa, Iowa City, 1999
Michael L. Busch	Assoc. Professor of Music	DMA	University of Colorado, Boulder, 1999
Herbert G. Geisler, Jr.	Professor of Music	PhD	University of Michigan, Ann Arbor, 1990
Niclas T. Krüger	Resident Faculty in Art	MFA	CSU, Fullerton, 2002
Rachel L. Leising	Asst. Prof. of Graphic Design	MFA	Iowa State University, Ames, 2004
Carol R. McDaniel	Resident Faculty in Music	MM	University of Nebraska, Lincoln, 1985
William D. Nicholls	Resident Faculty in Music	DMA	University of Miami, FL 1980
Peter L. Senkbeil	Professor of Theatre	PhD	Northwestern Univ., Evanston, IL, 1995
D. Michael Shackelford	Resident Faculty in Theatre	MA	Concordia University Irvine, 1998

In the Fine Arts Division, students acquire and continue to use knowledge and skills for perceiving the cognitive and affective elements of human feeling, their synthesis and their expression in artistic media. Students shape their own affective responses through selected media including writing, drama, music, dance and the visual arts.

DIVISION GOALS

1. AESTHETIC RESPONSIVENESS

- **Artful Comprehension.** Graduates are aware of the elements of two or more arts and are sensitive to the interaction of each as significant parts of a whole.
- **Artful Participation.** Graduates are skilled in active artistic experiences selected from the dramatic, musical, kinesthetic and visual.
- **Artful Sensitivity.** Graduates discern emotion and feeling in artistic experience.

2. SOCIOCULTURAL RESPONSIVENESS

- **Heritage Consciousness.** Graduates are knowledgeable of and sympathetic to significant artistic works of others past and present in more than one culture.
- **Thoughtful Valuing.** Graduates discern what is lasting and valuable from that which is ephemeral and trite.

3. CLEAR COMMUNICATION

- **Articulate Imagination.** Graduates use visual, dramatic and aural media descriptively, accurately, precisely and with imagination.
- **Eloquent Engagement.** Graduates interact with collegiate peers, mentors and lay people in meaningful discussion of artistic experience.
- **Mastery of Form.** Graduates use conventional forms of organizing verbal, musical, dramatic and visual insights such as term papers, essays, speeches, musical compositions, dramas, visual objects and performances.

4. SYSTEMATIC INQUIRY

- **Skill in Scholarship.** Graduates discover scholarly resources and related material appropriate to the thought, problem or question.
- **Thoughtful Criticism.** Graduates reduce a thought to discrete parts while recognizing their relationship to the whole using such rhetorical devices as induction, deduction, syllogism and intuition.
- **Rational Balance.** Graduates organize the results of such thinking in a sequential and hierarchical manner, balancing detail and generalization.

MAJORS

ART MAJOR

45 UNITS

Core: (24 units)

Art 200	Elements of Art	3
Art 201	Drawing I	3
Art 251	Design	3
Art 311	Art History I	3
Art 312	Art History II	3
<i>Choose three from the following courses:</i>		9
Art 321	Painting I	3
Art 331	Sculpture I	3
Art 341	Ceramics	3
Art 351	Printmaking I	3

Emphasis *Choose one of the following:*

Emphasis: (21 units)

Graphic Design

Art 170	Digital Publishing	3
Art 171	Digital Image Manipulation	3
Art 172	Digital Illustration	3
Art 260	Typography	3
Art 261	Graphic Design I	3
Art 361	Graphic Design II	3
Art 461	Graphic Design III	3

Secondary Art Education

Art 380	Secondary Art Methods	3
Art 391	Art in the Schools	3
Art 498	Senior Art Seminar	3
<i>Choose four of the following courses:</i>		12
Art 301	Drawing II	3
Art 315	The History of Contemporary Art	3
Art 421	Painting II	3
Art 431	Sculpture II	3
Art 451	Printmaking II	3
Art 471	Video Art	3
Art 491	Public Art	3
Art 499	Art Honors	3

Studio Art

Art 315	The History of Contemporary Art	3
Art 392	Art Gallery/Center Practicum	3
Art 498	Senior Art Seminar	3
<i>Choose four of the following courses:</i>		12
Art 301	Drawing II	3
Art 421	Painting II	3
Art 431	Sculpture II	3
Art 451	Printmaking II	3
Art 471	Video Art	3
Art 491	Public Art	3
Art 499	Art Honors	3

MUSIC MAJOR**45 UNITS****Core: (22 Units)**

Mus 201	Music Theory I	3
Mus 202	Music Theory II	3
Mus 211	Aural Skills I	1
Mus 212	Aural Skills II	1
Mus 221	Conducting I	1
Mus 222	Conducting II	1
Mus 303	Music Theory III	3
Mus 304	Music Theory IV	3
Mus 331	Music History I	3
Mus 332	Music History II	3

Performance: (9 Units)

Mu____	Applied Music	5
	By graduation, the student must meet the established advanced competency in piano organ, voice or another instrument namely, level 401. If performing a senior recital, Level 401 must be completed before the semester of the recital. The student must also meet the basic competency in piano (eligibility for Level 202) and voice (Level 100/101). Since this generally takes more than five credits to accomplish, the student should take at least one instrument each term.	
MuE____	Ensemble (four rehearsals per week)	4
	Four credits are counted toward graduation, but each music major is expected to participate in at least one department ensemble each term of attendance, including at least one full year of an advanced ensemble during the junior or senior year. Additional credits can be petitioned against the general electives as described in the university catalog.	

Music Major Electives (12 Units)

- All music majors will select 12 units of electives.
- Director of Parish Music Program requirements are indicated by #. See Director of Parish Music. Program requirements on page 101.
- For those music majors planning on taking the CSET in music, the courses indicated with a + are recommended.

Mus 215	Music Technology	1
Mus 312+	Instrumental Techniques and Repertoire: Brass	1
Mus 313+	Instrumental Techniques and Repertoire: Percussion	1
Mus 314+	Instrumental Techniques and Repertoire: Woodwind	1
Mus 315+	Instrumental Techniques and Repertoire: Strings	1
Mus 390	Practicum in Music Leadership	1-4
Mus 401	Advanced Studies in Music	1-3
Mus 402	Arranging and Orchestration	2
Mus 441	Handbell Methods and Repertoire	1-3
Mus 451+	Music Cultures of the world	3
Mus 461+	Music for Children	2-3
Mus 462+	Music in Secondary Schools	2
Mus 471+	Choral Methods and Repertoire	3
Mus 481	Contemporary Issues in Church Music	2
Mus 482#	Musical Heritage of the Church	3
Thl 382#	Corporate Worship	3
Mus/Thl 483#	Hymnody and Sacred Song	2
Mus/Thl 484#	Planning Music in Christian Worship	2

Senior Project or Recital : (2-3 Units)

(see Senior Project and Senior Recital Guidelines)

A culminating study or performance, either Mus 498 or MU__ 498
[see course descriptions].

THEATRE MAJOR

36 UNITS

Thr 251	Introduction to Theatre	3
Thr 261	Acting I	3
Thr 262	Acting II	3
Thr 321	Introduction to Theatrical Design	3
Thr 351	Play Direction	3
Thr 390	Theatre Practice	3
Thr 441	Theatre and Culture I	3
Thr 442	Theatre and Culture II	3
<i>Choose one of the following courses:</i>		3
Thr 330	Readers Theatre	3
Thr 461	Creative Dramatics	3
<i>Choose three of the following courses not taken above:</i>		9
Eng 387	Modern and Contemporary Drama	3
Eng 466	Shakespeare	3
Thr 330	Readers Theatre (if not taken above)	3
Thr 461	Creative Dramatics (if not taken above)	3
Thr 498	Theatre Showcase	3

MINORS

ART MINOR

18 UNITS

Art 200	Elements of Art	3
Art 201	Drawing I	3
Art 321	Painting I	3
Art 351	Printmaking I	3
<i>Choose one of the following courses:</i>		3
Art 311	Art History I	3
Art 312	Art History II	3
<i>Choose one of the following courses:</i>		3
Art 331	Sculpture I	3
Art 341	Ceramics	3

MUSIC MINOR

24 UNITS

Core: (11-17 Units)

Mus 201	Music Theory I	3
Mus 202	Music Theory II	3
Mus 211	Aural Skills I	1
Mus 212	Aural Skills II	1
<i>Choose from one to three of the following courses:</i>		3-9
Mus 331	Music History I	3
Mus 332	Music History II	3
Mus 451	Music Cultures of the World	3

Performance: (6 Units)

MuE ____	Ensemble	2
MuA ____	Applied Music (one instrument, achieving 300 level)	4

Electives: (1-7 Units)

Any 300-400 level Mus course(s) and/or Conducting.

THEATRE MINOR

18 UNITS

Thr 251	Introduction to Theatre	3
Thr 261	Acting I	3
Thr 262	Acting II	3
Thr 351	Play Direction	3
Thr 441	Theatre and Culture I	3
or Thr 442	or Theatre and Culture II	3
<i>Choose one of the following courses not taken above:</i>		3
Eng 387	Modern Drama	3
Eng 466	Shakespeare	3
Thr 330	Readers Theatre	3
Thr 352	Design and Technical Theatre	3
Thr 441	Theatre and Culture I	3
Thr 442	Theatre and Culture II	3
Thr 461	Creative Dramatics	3

School of Arts & Sciences

Division of Humanities

◆ COMMUNICATION

◆ ENGLISH

◆ HUMANITIES

◆ SPANISH

◆ WRITING

Dr. Kerri L. Thomsen, Chair

Susan O. Bachman	Professor of Rhetoric	PhD	FL State University, Tallahassee, 1996
Katharine F. M. Borst	Asst. Professor of English	PhD Cand.	St. Louis University, MO, 1991
M. Sue Fleischli	Asst. Professor of Spanish	MA	Ohio University, Athens, 1968
Diane C. Gaylor	Asst. Prof. of Library Info. Sys.	MLIS	San Jose State University, CA, 1998
Thea Gavin	Asst. Professor of English	MFA Cand.	Spalding University, Louisville, KY, 2005
Kurt J. Krueger	Professor of English	PhD	Indiana University of PA, 1996
Kristen A. Schmidt	Asst. Professor of English	MA	University of California, Irvine, 1991
Martin G. Schramm	Professor of Communication	PhD	University of So. California, L.A., 1993
Kerri L. Thomsen	Assoc. Professor of English	PhD	University of MA, Amherst, 1994

The Humanities Division empowers students to cultivate and articulate human thought and feeling through involvement with the mechanical, cultural and aesthetic elements of speech, writing and drama.

DIVISION GOALS

1. AESTHETIC RESPONSIVENESS

- **Artful Comprehension.** Graduates are aware of the elements of two or more literary arts and are sensitive to the interaction of each as significant parts of a whole.
- **Artful Participation.** Graduates are skilled in active artistic experience, including the literary, oral and dramatic.
- **Artful Sensitivity.** Graduates discern emotion and feeling in artistic experience.

2. SOCIOCULTURAL RESPONSIVENESS

- **Heritage Consciousness.** Graduates are knowledgeable of and sympathetic to significant artistic works of others, past and present, in more than one culture.
- **Thoughtful Valuing.** Graduates discern what is lasting and valuable from that which is ephemeral and trite.

3. CLEAR COMMUNICATION

- **Articulate Imagination.** Graduates use verbal, dramatic and aural media descriptively, accurately, precisely and with imagination.
- **Eloquent Engagement.** Graduates interact with collegiate peers, mentors and lay people in meaningful discussion of artistic experience.
- **Mastery of Form.** Graduates use conventional forms of organizing verbal and dramatic insights such as term papers, essays and speeches.

4. SYSTEMATIC INQUIRY

- **Skill in Scholarship.** Graduates discover scholarly resources and related material appropriate to the thought, problem or question.
- **Thoughtful Criticism.** Graduates reduce a thought to discrete parts while recognizing their relationship to the whole using such rhetorical devices as induction, deduction, syllogism and intuition.
- **Rational Balance.** Graduates organize the results of such thinking in a sequential and hierarchical manner, balancing detail and generalization.

MAJORS

COMMUNICATION MAJOR

36 UNITS

Core: (18 Units)

Com 311	Advanced Public Speaking	3
Com 321	Mass Communication	3
Com 324	Intercultural Communication	3
Com 480	Theories of Human Communication	3
Com 485	Communication Criticism	3
ITP 261	Information Technology/Informatics	3
<i>Emphasis</i>	<i>Choose one of the following:</i>	

Emphasis: (18 Units)

General Communication Studies

<i>Choose six of the following courses:</i>		18
Com 216	Interpersonal Communication	3
Com 222	Theory and Practice of Journalism	3
Com 328	Small Group Communication	3
Com 335	Nonverbal Communication	3
Com 344	Theory and Practice of Interviewing	3
Com 412	Writing for the Broadcast Media	3
Com 422	Studies in Public Relations	3
Com 451	Organizational Communication	3

Speech Communication

<i>Choose six of the following courses:</i>		18
Com 216	Interpersonal Communication	3
Com 222	Journalism	3
Com 328	Small Group Communication	3
Com 412	Writing for the Broadcast Media	3
Com 422	Studies in Public Relations	3
Com 451	Organizational Communication	3
Thr 330	Readers Theatre	3
<i>Recommended:</i>		
Com 390	Communication Practicum	1-3
Com 490	Communication Internship	1-3

Mass Communication

Com 222	Theory and Practice of Journalism	3
Com 344	Theory and Practice of Interviewing	3
Com 412	Writing for the Broadcast Media	3
Com 422	Studies in Public Relations	3
<i>Choose two of the following courses:</i>		6
Com 216	Interpersonal Communication	3
Com 328	Small Group Communication	3
Com 335	Nonverbal Communication	3
Com 451	Organizational Communication	3

ENGLISH MAJOR

36 UNITS

Eng 341	American Literature I	3
Eng 342	American Literature II	3
Eng 361	English Literature I	3
Eng 362	English Literature II	3
Eng 371	Literary Criticism	3
Eng 451	Senior Seminar in English	3
Eng 466	Shakespeare	3
Eng 477	History and Development of the English Language	3
<i>Choose two of the following courses:</i>		6
Eng 383	Modern Poetry	3
Eng 385	Modern Novel	3
Eng 387	Modern and Contemporary Drama	3
Eng 389	Film as Literature	3
<i>Choose one of the following courses:</i>		3
Eng 441	Major American Writers	3
Eng 461	Major English Writers	3
<i>Choose one of the following courses:</i>		3
Eng 380	Women's Literature	3
Eng 381	World Literature	3
Eng 382	Post-Colonial Literature	3

An English Subject Matter Preparation Program for secondary education students is approved by the state. Students should consult with the division chair or School of Education for program requirements.

HUMANITIES AND FINE ARTS MAJOR**45 UNITS****Core: (27 Units)**

Art 311 or Art 312	Art History I or Art History II	3
Com 216 or Com 324	Interpersonal Communication or Intercultural Communication	3
Eng 381	World Literature	3
Hst 301 or Hst 332	Eastern Civilization or Ancient Greece and Rome	3
Mus 451	Music Cultures of the World	3
Phi 210	Introduction to Philosophy	3
Thl 321	World Religions	3
Thr 251	Introduction to Theatre	3
Elective:	Choose one non-duplicated, upper-division art, communication, English, history, music or theatre course.	3
Emphasis	<i>Choose one of the following:</i>	

Emphasis: (18 Units)**Art**

Art 200	Elements of Art	3
Art 201	Drawing I	3
Art 311 or Art 312 or Art 315	Art History I or Art History II (the one not taken in core) or The History of Contemporary Art	3
Art 321	Painting I	3
Art 331 or Art 341	Sculpture I or Ceramics	3
Art 351	Printmaking I	3

Communication

ITP 261	Information Technology/Informatics	3
Com 311	Advanced Public Speaking	3
<i>Choose four of the following courses:</i>		12
Com 216	Interpersonal Communication	3
Com 222	Theory and Practice of Journalism	3
Com 321	Mass Communication	3
Com 324	Intercultural Communication	3
Com 328	Small Group Communication	3
Com 335	Nonverbal Communications	3
Com 412	Writing for the Broadcast Media	3
Com 422	Studies in Public Relations	3
Com 451	Organizational Communication	3
Com 480	Theories of Human Communication	3
Com 485	Communication Criticism	3

History*Select two nonduplicated courses from each of the following three categories:*

Category I		6
Hst 201	Western Civilization	3
Hst 334 or Hst 336	Medieval History or Renaissance and Reformation	3
Hst 338	Modern European History	3

Category II		6
Hst 301	Eastern Civilization	3
Hst 351	Latin American Civilization	3
Hst 371	Islamic Civilization	3
Category III		6
Hst 226	United States History I	3
Hst 228	United States History II	3
Hst 335	History of England	3

Literature

Eng 341	American Literature I	3
or Eng 342	or American Literature II	
Eng 361	English Literature I	3
or Eng 362	or English Literature II	
Eng 380	Women's Literature	3
or Eng 382	or Post-Colonial Literature	
Eng 383	Modern Poetry	3
or Eng 385	or Modern Novel	
or Eng 387	or Modern & Contemporary Drama	
Eng 441	Major American Writers	3
or Eng 461	or Major English Writers	
Eng 466	Shakespeare	3

Music

Mus 201	Music Theory I	3
Mus 202	Music Theory II	3
Mus 211	Aural Skills I	1
Mus 331	Music History I	3
Mus 332	Music History II	3
Mus ____	Upper Division Elective	3
Mus ____	Applied Music	2

Theatre

Thr 261	Acting I	3
Thr 262	Acting II	3
Thr 351	Play Direction	3
Thr 352	Design and Technical Theatre	3
or Thr 390	or Theatre Practicum	
Thr 441	Theatre and Culture I	3
or Thr 442	or Theatre and Culture II	
<i>Choose one of the following courses (not duplicated above)</i>		3
Eng 387	Modern and Contemporary Drama	3
Eng 466	Shakespeare	3
Thr 441	Theatre and Culture I	3
or Thr 442	or Theatre and Culture II	

Writing

Com 222	Theory & Practice of Journalism	3
or Com 412	or Writing for the Broadcast Media	
Wrt 324	Writing for Children & Teenagers	3
Wrt 325	Writing for the Workplace	3
Wrt 327	Creative Writing	3
Wrt 329	Non-Fiction Writing	3
Wrt 427	Advanced Creative Writing	3

MINORS

COMMUNICATION MINOR

18 UNITS

Com 311	Advanced Public Speaking	3
ITP 261	Information Technology/Informatics	3
<i>Choose four of the following courses:</i>		12
Com 216	Interpersonal Communication	3
Com 222	Theory and Practice of Journalism	3
Com 321	Mass Communication	3
Com 324	Intercultural Communication	3
Com 328	Small Group Communication	3
Com 335	Nonverbal Communication	3
Com 412	Writing for the Broadcast Media	3
Com 422	Studies in Public Relations	3
Com 451	Organizational Communication	3
Com 480	Theories of Human Communication	3
Com 485	Communication Criticism	3

ENGLISH MINOR

18 UNITS

Eng 341	American Literature I	3
or Eng 342	or American Literature II	
Eng 361	English Literature I	3
or Eng 362	or English Literature II	
Eng 371	Literary Criticism	3
Eng 381	World Literature	3
or Eng 382	or Post-Colonial Literature	
Eng 477	History and Development of the English Language	3
<i>Choose one from the following courses (not taken above):</i>		3
Eng 341	American Literature I	3
Eng 342	American Literature II	3
Eng 361	English Literature	3
Eng 362	English Literature II	3
Eng 380	Women's Literature	3
Eng 381	World Literature	3
Eng 382	Post-Colonial Literature	3
Eng 383	Modern Poetry	3
Eng 385	Modern Novel	3
Eng 387	Modern and Contemporary Drama	3
Eng 389	Film as Literature	3
Eng 391	Children's Literature	3
Eng 441	Major American Writers	3
Eng 461	Major English Writers	3
Eng 466	Shakespeare	3

SPANISH MINOR**18 UNITS**

Spa 201	Intermediate Spanish I	3
Spa 202	Intermediate Spanish II	3
Spa 301	Advanced Conversation	3
Spa 302	Advanced Grammar/Readings	3
Spa 311	Survey of Spanish Literature	3
Spa 312	Survey of Spanish American Literature	3

WRITING MINOR**18 UNITS**

Choose one of the following options:

(a) six of the following 3-unit courses OR

(b) five of the following 3-unit courses plus three of the 1-unit Newspaper courses:

Com 222	Theory and Practice of Journalism	3
Com 412	Writing for the Broadcast Media	3
Wrt 324	Writing for Children and Teenagers	3
Wrt 325	Writing for the Workplace	3
Wrt 327	Creative Writing	3
Wrt 329	Nonfiction Writing	3
Wrt 427	Advanced Creative Writing	3
Wrt 231	Newspaper I	1
Wrt 232	Newspaper II	1
Wrt 331	Newspaper III	1
Wrt 332	Newspaper IV	1
Wrt 431	Newspaper V	1
Wrt 432	Newspaper VI	1



School of Arts & Sciences

Division of Natural Science

- ◆ **BIOLOGY**
- ◆ **CHEMISTRY**
- ◆ **MATHEMATICS**
- ◆ **PHYSICS**

Dr. Bret A. Taylor, Chair

Kenneth R. Clavir	Dean of Academic Records	MA	Concordia University, Irvine, CA, 2004
Kenneth K. Ebel	Professor of Biology	DA	University of ND, Grand Forks, 1989
John W. Kenney III	Prof. of Chem./Chem. Physics	PhD	University of Utah, Salt Lake City, 1979
Kenneth E. Mangels	Professor of Mathematics	PhD	University of Texas, Austin, 1992
Melinda S. Schulteis	Asst. Prof. of Mathematics	PhD	University of California Irvine, 2004
Roderick B. Soper	Asst. Prof. of Biology	PhD Cand.	Curtin University, Perth, Western Australia, 2003
Bret A. Taylor	Asst. Prof. of Mathematics	PhD	Curtin University, Perth, Western Australia, 2004
Michael E. Young	Asst. Prof. of Biochemistry	PhD	Washington University, St. Louis, MO, 2004

The Division of Natural Science endeavors to develop students who possess high-level numerical, computational, experimental and analytical abilities. The division seeks to prepare students to formulate, investigate, analyze and articulate solutions to major scientific, technological, environmental and health problems embracing the disciplines of biology, chemistry, mathematics and physics. In concert with the Great Commission, the division embraces the idea that its curriculum should actively encourage students to develop theologically sound and scientifically solid connections between the Christian faith and the disciplines of the division.

DIVISION GOALS

1. SYSTEMATIC INQUIRY

- **Scientific Process.** Graduates are knowledgeable about the traditions, leaders, basic facts and procedures useful in scientific investigation.
- **Data Collection and Analysis.** Graduates investigate, formulate, analyze and solve scientific problems.
- **Numerical Calculations.** Graduates learn the necessary facts and information within certain mathematical areas and perform appropriate calculations to solve problems in those areas such as algebra, geometry, calculus and discrete mathematics.
- **Science and Faith:** Graduates possess the requisite knowledge of science, history, philosophy and theology to enter into the ongoing dialogues and debates embracing critical scientific and religious issues as articulate informed contributors.

2. HEALTH AND WELL-BEING

- **Environmental Consciousness.** Graduates are sensitive to and well-informed about scientific, ethical and environmental issues.
- **Health Science Awareness.** Graduates are aware of the natural sciences and their implications in the study of disease, illnesses and nutrition.

3. CLEAR COMMUNICATION

- **Scientific Writing.** Graduates are acquainted with the necessary library resources, scientific style and terminology to properly prepare a written scientific argument.
- **Scientific Presentation.** Graduates, with the knowledge and use of the latest technology, effectively communicate orally a thorough and succinct presentation on a scientific topic.

MAJORS

BIOLOGY MAJOR

40-53 UNITS

Core: (21 Units—required of all biology majors)

Bio 112	General Biology II	4
Bio 308	Genetics	4
Bio 345	Evolutionary Zoology	3
Bio 350	Molecular and Cellular Biology	4
Bio 496	Research in Biology	4
Sci 455	History and Philosophy of Science	3
Emphasis	<i>Choose one the following:</i>	

Emphasis: (19-32 Units)

Liberal Arts (19 units)

Choose a combination of the courses below to equal 19 units or more:

Bio 247	Human Physiology	4
Bio 317	Ecology	3
Bio 341	Plant Biology	4
Bio 351	General Microbiology	4
Bio 360	Nutrition	3
Bio 401	Biology Seminar	2
Che 421	Introduction to Biochemistry	4
Sci 103	Safety Seminar	1
Sci 318	Ocean Science	3

Physical Therapy (30-32 units)

Choose a combination of the courses below to equal 30 units or more:

Bio 246	Human Anatomy	4
Bio 247	Human Physiology	4
Che 421	Introduction to Biochemistry	4
ESS 304	Motor Learning	3
ESS 368	Therapeutic Modalities	3
ESS 406	Physiology of Exercise	3
ESS 407	Kinesiology	3

<i>Choose either of the following two course sequences:</i>		6-8
Che 321	Organic Chemistry I	4
Che 322	Organic Chemistry II	4
OR		
Bio 360	Nutrition	3
ESS 358	Therapeutic Exercise	3

Pre-Medical (24 units)

Bio 246	Human Anatomy	4
Bio 247	Human Physiology	4
Bio 351	General Microbiology	4
Che 321	Organic Chemistry I	4
Che 322	Organic Chemistry II	4
Che 421	Introduction to Biochemistry	4

A Life Science Subject Matter Preparation Program for Secondary Education students is approved by the state. Students should consult the Division Chair or School of Education for program requirements.

CHEMISTRY MAJOR

54 UNITS

Core: (41 Units)

Che 221	Chemistry I	4
Che 222	Chemistry II	4
Che 321	Organic Chemistry I	4
Che 322	Organic Chemistry II	4
Che 354	Inorganic Chemistry	4
Che 421	Introduction to Biochemistry	4
Che 424	Analytical Chemistry	4
Che 431	Physical Chemistry I	4
Mth 271	Calculus I	5
Phy 211	Physics I	4
Emphasis	<i>Choose one of the following:</i>	

Emphasis: (13 units)

Chemical Research

Che 418	Molecular Spectroscopy	4
Che 432	Physical Chemistry II	4
Che 496	Research in Chemistry	2
Sci 455	History/Philosophy of Science	3

Pre-Medical

Bio 350	Molecular and Cell Biology	4
Bio 360	Nutrition	3
Che 432	Physical Chemistry II	4
Che 496	Research in Chemistry	2

Secondary Teacher Education

Che 401	Chemistry/Lab Safety for the Secondary Teacher	3
Mth 265	Intro to Statistics	3
Phy 212	Physics II	4
Sci 455	History/Philosophy of Science	3

MATHEMATICS MAJOR**42 UNITS****Core: (36 Units)**

Mth 265	Introduction to Statistics	3
Mth 271	Calculus I (with lab)	5
Mth 272	Calculus II (with lab)	5
Mth 295	Mathematical Notation and Proof	3
Mth 373	Calculus III	4
Mth 387	Theory of Probability	3
Mth 471	Linear Algebra	3
Mth 473	Modern Algebra	3
Mth 484	Differential Equations	3
Mth 489	Real Analysis	3
Mth 495	Topics in Mathematics	1

Electives (6 Units)

<i>Choose two from the following courses:</i>		6
Mth 376	Discrete Mathematics	3
Mth 380	Modern Geometry	3
Mth 388	Mathematical Statistics	3
Mth 420	Number Theory	3

A Mathematics Subject Matter Preparation Program for Secondary Education students is approved by the state. Students should consult the Division Chair or School of Education for program requirements.

MINORS**BIOLOGY MINOR****26-27 UNITS**

Bio 112	General Biology II	4
Bio 317	Ecology	4
Bio 345	Evolutionary Zoology	3
Bio 350	Molecular and Cellular Biology	4
Bio 496	Research in Biology	4
<i>Choose two from the following courses:</i>		7-8
Bio 308	Genetics	4
Bio 341	Plant Biology	4
Sci 455	History and Philosophy of Science	3

CHEMISTRY MINOR**24 UNITS**

Che 221	Chemistry I	4
Che 222	Chemistry II	4
Che 321	Organic Chemistry I	4
Che 322	Organic Chemistry II	4
Che 421	Introduction to Biochemistry	4
Che 424	Analytical Chemistry	4

MATHEMATICS MINOR**21-23 UNITS**

Mth 265	Introduction to Statistics	3
Mth 271	Calculus I	5
Mth 272	Calculus II	5
<i>Choose three from the following courses:</i>		8-10
Mth 295	Mathematical Notation and Proof	3
Mth 373	Calculus III	4
Mth 376	Discrete Mathematics	3
Mth 380	Modern Geometry	3
Mth 387	Theory of Probability	3
Mth 420	Number Theory	3
Mth 425	History of Math	2
Mth 471	Linear Algebra	3
Mth 473	Modern Algebra	3
Mth 489	Real Analysis	3



School of Arts & Sciences

Division of Social Science

- ◆ AMERICAN STUDIES
- ◆ ANTHROPOLOGY
- ◆ BEHAVIORAL SCIENCE
- ◆ CROSS CULTURAL STUDIES
- ◆ HISTORY
- ◆ INTERNATIONAL STUDIES
- ◆ POLITICAL SCIENCE
- ◆ PSYCHOLOGY
- ◆ SOCIAL WORK
- ◆ SOCIOLOGY

Dr. Buddy Mendez, Chair

Brooke Benda	Resident Faculty in Sociology	MA	Vanguard University, 2000
Jacqueline Y. Brown	Asst. Professor of History	MA	CSU, Long Beach, 1991
Michael W. Bruening	Asst. Professor of History	PhD	University of Arizona, Tucson 2002
Jennifer S. Cosgrove	Professor of Psychology	PhD	U.S. International University, San Diego, CA, 1991
Roberto Flores de Apodaca	Professor of Psychology	PhD	University of Rochester, NY, 1979
Patricia A. Hoffman	Professor of Family Studies	PhD	University of WI, Madison, 1997
Robert B. Kemp	Resident Faculty in History	PhD	University of Chicago, IL, 1973
Buddy Mendez	Professor of Psychology	PhD	Fuller Seminary Graduate School of Psychology, Pasadena, CA, 1992
Jack M. Schultz	Professor of Anthropology	PhD	University of Okla., Norman, 1995

The purpose of the Social Science Division is to develop its students' capacities to explore, conceptualize, explicate and interpret past and present human experience within the context of sociocultural political and economic life by means of the disciplines of anthropology, geography, history, political science, psychology, sociology and social work.

DIVISION GOALS

1. SYSTEMATIC INQUIRY

- **Empirical Inquiry.** Graduates will be able to explain and conduct empirical research and will be able to describe various research methodologies used to study human experience and behavior.
- **Theoretical Cognizance.** Graduates will be able to articulate major concepts, models, and theories, generally recognized in the academic community as valuable for interpreting human experience.
- **Historical Analysis.** Graduates are acquainted with the historical record of the human past.
- **Technological Competence.** Graduates will use modern technologies to conduct and analyze research in the social sciences.

2. CLEAR COMMUNICATION

- **Articulate Expression.** Graduates are able to conceptualize, elucidate and demonstrate mastery through persuasive communication the important elements of selected disciplines within the social sciences.
- **Technological Competence.** Graduates will use modern technologies to communicate information.

3. HEALTH AND WELL-BEING

- **Personal Health.** Graduates will utilize concepts, models, theories and empirical research findings they have learned, to enhance their own psychological and/or spiritual well-being.

4. SOCIOCULTURAL RESPONSIVENESS

- **Cultural Sensitivity.** Graduates are sensitive to other cultures, ethnic groups, women and minorities and their contributions to the human experience.
- **Relational Sensitivity.** Graduates are aware of the multifaceted network of social relations that characterize human society.

5. CHRISTIAN LITERACY AND LIFE

- **Christian Living.** Graduates will discover ways of integrating their knowledge of biblical, theological and confessional principles with their daily lives to enhance their spiritual life.
- **Church History.** Graduates will gain an understanding and appreciation of the debates, developments and events that have marked the history of the Christian church.

6. SERVANT LEADERSHIP

- **Community Involvement.** Graduates will apply knowledge gained from their study of selected disciplines within the social sciences by involving themselves in servant-leadership activities within the broader community.

MAJORS

BEHAVIORAL SCIENCE MAJOR

54 UNITS

Core: (36 Units)

Ant 210	Cultural Anthropology	3
BSc 220	Qualitative Research Methods	3
BSc 265	Statistics for the Behavioral Sciences	3
BSc 296	Introduction to Research Methods	3
Psy 361	Abnormal Psychology	3
Soc 321	Social Problems	3
Soc 331	Marriage and the Family	3
<i>Choose one of the following course pairings:</i>		6
Psy 202	Human Sexuality	3
BSc 301	Topics in the Behavioral Sciences	3
OR		
Psy 381	Advanced Research Methods I	3
Psy 382	Advanced Research Methods II	3

<i>Choose one of the following courses:</i>		3
Ant 364	Culture and Self	3
Psy 351	Personality Theory	3
<i>Choose one of the following courses:</i>		3
Ant 314	Native Peoples of North America	3
Soc 316	Ethnic and Minority Relations	3
<i>Choose one of the following courses:</i>		3
Psy 313	Developmental Psychology: Childhood	3
Psy 314	Developmental Psychology: Adolescence	3
Psy 315	Developmental Psychology: Adulthood/Aging	3

NOTE: Students who choose the anthropology emphasis are required to take Psy 351 and Soc 316.

Emphasis: *Choose one the following:*

Emphasis: (18 Units)

Anthropology

Ant 241	Field Anthropology	3
Ant 314	Native Peoples of North America	3
Ant 364	Culture and Self	3
Ant 435	Anthropology of Religion	3
<i>Choose two of the following courses:</i>		6
Hst 265	Ethnic History and Issues	3
Hst 351	Latin American Civilization	3
Hst 371	Islamic Civilization	3
Mus 451	Music Cultures of the World	3

General

Ant 435	Anthropology of Religion	3
Psy 371	Cognition	3
Soc 461	Social Theory	3
<i>Choose one of the following courses:</i>		3
Ant 314	Native Peoples of North America	3
Ant 364	Culture and Self	3
<i>Choose one of the following courses:</i>		3
Psy 318	Learning Theories	3
Psy 340	Introduction to Biopsychology	3
Psy 345	Social Psychology	3
<i>Choose one of the following courses:</i>		3
Soc 320	Social Stratification	3
Soc 325	Women and Gender Issues	3
Soc 355	Social Gerontology	3

NOTE: If Ant 314 and 364 are taken in the core, then Psy 351 must also be taken in the general emphasis.

Psychology*

Psy 318	Learning Theories	3
Psy 340	Introduction to Biopsychology	3
Psy 345	Social Psychology	3
Psy 371	Cognition	3
Psy 441	Clinical and Forensic Psychology	3
Psy 466	Principles of Counseling	3

*It is required that students who select the psychology emphasis take Psy 101.

Social Work*

Psy 261	Chemical Dependency and Addiction	2
Psy 340	Biopsychology	3
SWk 301	Introduction to Social Work	3
SWk 302	Social Work Practice	3
SWk 303	Introduction to Social Policy	2
SWk 304	Human Behavior in the Social Environment	3
SWk 390	Practicum	2

*It is required that students who select the social work emphasis take both Psy 101 and Soc 101.

Sociology*

Soc 229	Criminology	3
Soc 320	Social Stratification	3
Soc 325	Women and Gender Issues	3
Soc 332	Child, Family and Community	3
Soc 355	Social Gerontology	3
Soc 461	Social Theory	3

*It is required that students who select the sociology emphasis take Soc 101.

HISTORY MAJOR**36 UNITS****Core (24 Units)**

Hst 226	United States History I	3
Hst 228	United States History II	3
Hst 332	Ancient Greece and Rome	3
Hst 334	Medieval History	3
Hst 335	British Parliament	3
Hst 336	Renaissance and Reformation	3
Hst 338	Modern European History	3
Hst 489	Historiography	3
<i>Choose two of the following courses:</i>		6
Hst 412	Origins of the American Political System	3
Hst 420	Advanced Topics in European History	3
Hst 478	History of California	3
<i>Choose two of the following courses:</i>		6
Hst 265	Ethnic History and Issues	3
Hst 351	Latin American Civilization	3
Hst 371	Islamic Civilization	3

INTERNATIONAL STUDIES MAJOR**53 UNITS****Core: (38 Units)**

Ant 241	Field Anthropology	3
Pol 304	International Relations	3
Com 324	Intercultural Communication	3
Hst 416	Contemporary Global Issues	3
Modern Foreign Language*		14
Chi or Ger or Spa 101		4
Chi or Ger or Spa 102		4
Chi or Ger or Spa 201		3
Chi or Ger or Spa 202		3
Study Abroad Courses**		12

* A different modern foreign language may be substituted by transfer credit. Greek, Hebrew, and Latin may not be used to fulfill this requirement.

** Individual study abroad courses to be determined in association with selected study abroad program.

Area Electives: (15 Units)

<i>Anthropology, choose one of the following:</i>		3
Ant 364	Culture and Self	3
Ant 435	Anthropology of Religion	3
<i>World History and Politics, choose one of the following:</i>		3
Hst 338	Modern European History	3
Hst 351	Latin American Civilization	3
Hst 371	Islamic Civilization	3
Pol 308	Comparative Political Systems	3
<i>Fine Arts, choose one of the following:</i>		3
Art 311	Art History I	3
Art 312	Art History II	3
Mus 451	Music Cultures of the World	3
Thr 441	Theatre and Culture I	3
Thr 442	Theatre and Culture II	3
<i>World Literature, choose one of the following:</i>		3
Eng 380	Women's Literature	3
Eng 381	World Literature	3
Eng 382	Post-Colonial Literature	3
Eng 385	Modern Novel	3
Eng 387	Modern and Contemporary Drama	3
<i>World Religion, choose one of the following:</i>		3
Thl 321	World Religions	3
Thl 481	World Missions	3

POLITICAL SCIENCE MAJOR**36 UNITS****Core (27 Units)**

BSc 265	Statistics for the Behavioral Sciences	3
BSc 296	Introduction to Research Methods	3
Pol 211	U.S. History and Government	3
Pol 301	Political Theory	3
Pol 304	International Relations	3
Pol 308	Comparative Political System	3
Pol 312	Constitutional Law	3
Pol 335	British Parliament	3
Pol 412	Origins of the American Political System	3
<i>Choose three of the following courses:</i>		9
Com 324	Intercultural Communication	3
Com 422	Studies in Public Relations	3
Eco 201	Macroeconomics	3
Eco 202	Microeconomics	3
Hst 265	Ethnic History and Issues	3
Pol 413	Religion and Politics in America	3
Pol 490	Internship in Political Science	3
Soc 229	Criminology	3
Soc 316	Ethnic and Minority Relations	3
Soc 320	Social Stratification	3
Soc 321	Social Problems	3
Soc 325	Women and Gender Issues	3
SWk 303	Introduction to Social Policy	3

PSYCHOLOGY MAJOR***43 UNITS**

BSc 265	Statistics for the Behavioral Sciences	3
BSc 296	Introduction to Research Methods	3
Psy 261	Chemical Dependency and Addictions	2
Psy 318	Learning Theories	3
Psy 340	Introduction to Biopsychology	3
Psy 351	Personality Theory	3
Psy 361	Abnormal Psychology	3
Psy 371	Cognition	3
Psy 390	Practicum	2
<i>Choose one of the following course pairings:</i>		6
Psy 202	Human Sexuality	3
BSc 301	Topics in the Behavioral Sciences	3
OR		
Psy 381	Advanced Research Methods I	3
Psy 382	Advanced Research Methods II	3
<i>Choose two of the following courses:</i>		6
Psy 313	Developmental Psychology: Childhood	3
Psy 314	Developmental Psychology: Adolescence	3
Psy 315	Developmental Psychology: Adulthood and Aging	3
<i>Choose one of the following courses:</i>		3
Psy 441	Clinical and Forensic Psychology	3
Psy 466	Principles of Counseling	3
<i>Choose one of the following courses:</i>		3
Ant 364	Culture and Self	3
Psy 345	Social Psychology	3

* It is required that students who select the psychology major take Psy 101 in their general education.

MINORS

AMERICAN STUDIES MINOR 18 UNITS

Hst 226	United States History I	3
Hst 228	United States History II	3
Hst 265	Ethnic History and Issues	3
Pol 211	U.S. History and Government	3
Soc 316	Ethnic and Minority Relations	3
<i>Choose one of the following courses:</i>		3
Eng 341	American Literature I	3
Eng 342	American Literature II	3
Eng 441	Major American Writers	3
Hst 412	United States Early National History	3

ANTHROPOLOGY MINOR 18 UNITS

Ant 210	Cultural Anthropology	3
Soc 316	Ethnic and Minority Relations	3
<i>Choose three of the following courses:</i>		9
Ant 241	Field Anthropology	3
Ant 314	Native Peoples of North America	3
Ant 364	Culture and Self	3
Ant 435	Anthropology of Religion	3
Mus 451	Music Cultures of the World	3
<i>Choose one of the following courses:</i>		3
Hst 265	Ethnic History and Issues	3
Hst 351	Latin American Civilization	3
Hst 371	Islamic Civilization	3

CROSS CULTURAL STUDIES MINOR 18 UNITS

Ant 210	Cultural Anthropology	3
BSc 220	Qualitative Research Methods	3
Soc 316	Ethnic and Minority Relations	3
Soc 320	Social Stratification	3
<i>Choose two of the following courses:</i>		6
Ant 241	Field Anthropology	3
Ant 314	Native Peoples of North America	3
Ant 364	Culture and Self	3
Hst 265	Ethnic History and Issues	3
Hst 351	Latin American Civilization	3
Mus 451	Music Cultures of the World	3

Hst ____	Elective	3
<i>Choose one of the following courses:</i>		3
Hst 226	United States History I	3
Hst 228	United States History II	3
<i>Choose three of the following courses:</i>		9
Hst 332	Ancient Greece and Rome	3
Hst 334	Medieval History	3
Hst 335	British Parliament	3
Hst 336	Renaissance and Reformation	3
Hst 338	Modern European History	3
Hst 412	Origins of the American Political System, 1763-1803	3
Hst 420	Advanced Topics in European History	3
Hst 478	History of California	3
Hst 489	Historiography	3
<i>Choose one of the following courses:</i>		3
Hst 265	Ethnic History and Issues	3
Hst 351	Latin American Civilization	3
Hst 371	Islamic Civilization	3

POLITICAL SCIENCE MINOR

18 UNITS

Pol 211	U.S. History and Government	3
Pol 301	Political Theory	3
Pol 312	Constitutional Law	3
Pol 335	British Parliament	3
Pol 412	Origins of the American Political System, 1763-1803	3
<i>Choose one of the following courses:</i>		3
Pol 304	International Relations	3
Pol 308	Comparative Political Systems	3
Pol 413	Religion and Politics in America	3

PSYCHOLOGY MINOR*

18 UNITS

Psy 351	Personality Theory	3
Psy 361	Abnormal Psychology	3
<i>Choose one of the following courses:</i>		3
Psy 313	Developmental Psychology: Childhood	3
Psy 314	Developmental Psychology: Adolescence	3
Psy 315	Developmental Psychology: Adulthood and Aging	3
<i>Choose three of the following courses:</i>		9
ESS 365	Sport Psychology	3
Psy 202	Human Sexuality	3
Psy 318	Learning and Memory	3
Psy 340	Introduction to Biopsychology	3
Psy 345	Social Psychology	3
Psy 371	Cognition	3
Psy 441	Clinical and Forensic Psychology	3
Psy 466	Principles of Counseling	3

* Students who select the psychology minor must take Psy 101 in their general education.

SOCIOLOGY MINOR***18 UNITS**

Soc 229	Criminology	3
Soc 331	Marriage and the Family	3
Soc 332	Child, Family and Community	3
Soc 461	Social Theory	3
<i>Choose two of the following courses:</i>		6
Soc 320	Social Stratification	3
Soc 325	Women and Gender Issues	3
Soc 355	Social Gerontology	3

*Students who select the sociology minor must take Soc 101 in their general education.



School of Arts & Sciences Programs

PRE-LAW PROGRAM

Dr. Robert Kemp, Director

The Pre-Law Program at Concordia University is designed to assist those students who have interests in pursuing a legal career with planning their coursework, arranging legal apprenticeships and preparing for the Law School Admissions Test (LSAT).

All law schools require that their applicants have a baccalaureate degree, but most do not specify a certain major, minor or program of study. These schools stress breadth of preparation rather than narrow focus on one or two areas of study and they strongly urge their applicants to have a wide range of involvement in campus activities from athletics to music to student government.

Law schools expect a high undergraduate GPA and value volunteer or apprentice work in a law office. All law school applicants are required to submit their LSAT scores when they apply. Most students take the test late in their junior year and apply and interview during their final undergraduate year.

Pre-Law Program Requirements

A. GENERAL EDUCATION: (pages 25-27)

Normally completed during the first two years of attendance.

B. MAJOR REQUIREMENTS:

Completion of any approved major.

C. PROGRAM REQUIREMENTS:

No specific courses required, but students should select courses from a variety of fields that will best prepare them for the LSAT toward the end of their junior year.

D. ADDITIONAL INFORMATION:

Students are advised to take additional writing and speaking courses, to possess basic computer skills, to become involved in on-campus activities and to do volunteer/ apprentice work in a law firm.

PRE-MEDICAL PROFESSIONS PROGRAM

Dr. Kenneth Ebel, Director

Medical schools do not normally require a specific undergraduate major as a prerequisite for entrance, but most do require an emphasis in the biological and physical sciences.

Students who enter the Pre-Medical Professions Program at Concordia University will be assigned a counselor who will work closely with them to assure they take those courses most appropriate for pre-medicine preparation, including preparation for the MCAT (Medical College Admission Test).

Students must schedule carefully to be assured that they will be able to complete the basic courses prior to taking the MCAT. The MCAT, offered in April and August, should be taken at the end of the junior year. Additional courses and a major should be selected on the basis of the information received from medical schools to which the students are planning to apply.

In all of the pre-health science fields it is imperative that the student has a high grade point average (GPA) in science and all other courses. For pre-medicine and pre-physical therapy the program acceptance GPA is 3.5 or higher and probationary status is a GPA of 3.2 to 3.49. For pre-occupational therapy the program acceptance GPA is 3.2 or higher and probationary status is from 2.8 to 3.19. Students with a GPA lower than probationary status are automatically removed from the program and are not allowed to enroll in upper level science courses until reaching junior or senior status.

Pre-Medicine Program Requirements

A. GENERAL EDUCATION: (pages 25-27)

Normally completed during the first two years of attendance.

B. MAJOR REQUIREMENTS: (33-46 units)

Completion of any approved major, normally biology major with pre-medical emphasis (page 67). A student hoping to enter medical school is not required to complete a biology major. If a major other than biology is chosen, it is suggested that the student complete the Pre-Medicine Program requirements to prepare for the Medical College Admissions Test (MCAT).

C. PROGRAM REQUIREMENTS: (67 units, 36 with *biology** major, *pre-medical* emphasis)

Bio 246*	Human Anatomy	4
Bio 247*	Human Physiology	4
Bio 308*	Genetics	4
Bio 350*	Molecular and Cellular Biology	4
Bio 351*	General Microbiology	4
Bio 496*	Research in Biology	4
Che 221	Chemistry I	4
Che 222	Chemistry II	4
Che 321*	Organic Chemistry I	4
Che 322*	Organic Chemistry II	4
Che 421*	Introduction to Biochemistry	4
Mth 265	Introduction to Statistics	3
Mth 271	Calculus I	5
Mth 272	Calculus II	5
Phy 211	Physics I	4
Phy 212	Physics II	4
Sci 390	Practicum	2

D. RECOMMENDED COURSES:

Eng 325	Writing for the Workplace	3
<i>or</i> Eng 329	<i>or</i> Non-Fiction Writing	3

E. ADDITIONAL INFORMATION:

Most medical schools look at experience in the medical field in addition to GPA and MCAT scores. Therefore, students should actively pursue jobs or volunteer work in the medical field prior to application to medical schools beginning in the freshman year. Also, most medical schools strongly recommend a course in information technology or a college-level computer course.

Pre-Physical Therapy Program Requirements

(It should be noted that completing a specific program is not a requirement for graduation.)

A. GENERAL EDUCATION: (pages 25-27)

Normally completed during the first two years of attendance.

B. MAJOR REQUIREMENTS: (33-45 units)

Completion of any approved major, normally *biology* major with *physical therapy* emphasis (page 67). A student hoping to enter a physical therapy graduate program (either MPT or Ph.D. PT) is not required to complete a biology major. If a major other than biology is chosen, it is suggested that the student complete the Pre-Physical Therapy Program requirements to prepare for most graduate programs in physical therapy.

C. PROGRAM REQUIREMENTS: (68-78 units, 30 or over with **biology* major with *physical therapy* emphasis)

Bio 246*	Human Anatomy	4
Bio 247*	Human Physiology	4
Bio 350*	Molecular and Cellular Biology	4
Bio 360**	Nutrition	3
Bio 496*	Research in Biology	4
Che 221	Chemistry I	4
Che 222	Chemistry II	4
Che 321	Organic Chemistry I	4
Che 322**	Organic Chemistry II	4
Che 421*	Introduction to Biochemistry	4
ESS 304*	Motor Learning	3
ESS 358**	Therapeutic Exercise	3
ESS 368*	Therapeutic Modalities	3
ESS 406*	Physiology of Exercise	3
ESS 407*	Kinesiology	3
Mth 265	Introduction to Statistics	3
Mth 271	Calculus I	5
	<i>(highly recommended; lower math course acceptable)</i>	
Phy 211	Physics I	4
Phy 212	Physics II	4
Psy 314 or Psy 315	Developmental Psychology: Adolescence or Developmental Psychology: Adulthood/Aging	3
Psy 361	Abnormal Psychology	3
Sci 390	Practicum	2

**Courses are not required, but are strongly recommended.

D. ADDITIONAL INFORMATION:

This program is designed to prepare students for entrance into a master's in physical therapy program. Students should explore the specific requirements at the school they plan to attend as entrance requirements vary from school to school. Most programs require a minimum of 160 hours of work/observation experience of either voluntary or paid employment in physical therapy departments.

PRE-SOCIAL WORK PROGRAM (HUMAN SERVICES)

Dr. Buddy Mendez, Director

The Pre-Social Work Program at Concordia University is a four-year program designed to prepare students for graduate studies in social work or for placement in a social work career.

The role of the social worker has changed considerably in recent years in response to the changing nature of social problems in our society. The modern social worker is more likely to become involved in human service programs focusing on physical and mental health, gerontology, chemical dependency and family life than in the traditional administration of social welfare programs. Today's social worker is equipped with many more therapeutic skills and is employed by nearly every institution in society such as courts, hospitals, child and family service agencies, mental health organizations, churches, schools, justice systems, welfare organizations and private counseling services.

In order to insure optimal career advancement, the Social Science Division encourages students to prepare for admission to a graduate school to obtain a master's degree in either social work or counseling psychology.

Pre-Social Work Program Requirements

A. GENERAL EDUCATION: (pages 25-27)

Normally completed during the first two years of attendance.

B. MAJOR REQUIREMENTS: (54 units)

Completion of the behavioral science major with a social work emphasis. Bio 247 is strongly recommended for students who plan to pursue graduate studies.

C. INTERNSHIP REQUIREMENT: (6 units)

SWk 490 Social Work Internship

D. ADDITIONAL INFORMATION:

Students in the Pre-Social Work Program should expect to continue their education at the graduate level toward a master's degree in social work or counseling psychology.

School of Business

Dr. JOHN ROONEY, ACTING DEAN

The School of Business operates within the university's mission statement of preparing Christian men and women to succeed in the business world. Students study under the direction of faculty well experienced in both the educational and vocational aspects of the discipline.

Each student is considered for his or her unique gifts and how these talents may best be encouraged, developed and strengthened. Enrollment in the School of Business brings with it the opportunity to participate in business activities and organizations

◆ UNDERGRADUTE PROGRAMS

Dr. John Rooney

Majors

◆ Business Administration

Accounting
Finance
Information Technology
Management
Marketing
Sport Management

◆ Information Technology/Informatics

Business
Communication
Computer Science
Mathematics
Multimedia Design

◆ International Business

Joint Degree with Supérieure
Libre des Sciences Commerciales
Appliquées in Paris, France

Minors

◆ Accounting

◆ Business

◆ GRADUATE PROGRAM

◆ Master of Business Administration

SCHOOL OF BUSINESS FACULTY

Abraham K. Adhanom	Asst. Prof. of Info. Tech.	MA	Biola University, La Mirada, CA, 2001
Tammie L. Burkhart	Asst. Prof. of Business	MBA	Pepperdine University, Malibu, CA, 2001
Thomas D. Busby	Resident Faculty	MA	Cent. MO St. University, Warrensburg, 1974
Richard H. Hams	Professor of Business	PhD	University of California, Riverside, 1975
John L. Rooney	Professor of Business	DBA	U.S. Intl. University, San Diego, 1988
Carolyn K. Shierly	Res. Faculty in Business	MBA	Cal State, Fullerton, 1983
Cheryl E. Williams	Asst. Prof. of Business	PhD	Florida State University, Tallahassee, 1997

SCHOOL OF BUSINESS TARGETS AND GOALS

Each student will become a socially and professionally responsive individual who is:

1. Knowledgeable of the concepts and theories in the areas of economics, accounting and finance, information technology, marketing design, law and ethics and leadership and management as they relate to the business community in the United States and the world;
2. Able to use qualitative and quantitative analytical skills appropriate in problem solving and ethical decision making;
3. Able to communicate purposefully and effectively with supervisors, peers and associates; and Sensitive to other cultures, ethnic groups and minorities and their contributions to the human experience and, in particular, to the business world.

MAJOR

BUSINESS ADMINISTRATION MAJOR

51-54 UNITS

Core: (30 Units)

Act 211	Financial Accounting	3
Act 212	Managerial Accounting	3
Bus 201	Introduction to Management/Marketing/ Information Technology	3
Bus 321	Management	3
Bus 475	Administrative Policy	3
Bus 483	Business Ethics	3
Bus 490	Internship	3
Eco 201 or Eco 202	Macroeconomics or Microeconomics	3
Fin 331	Finance	3
Mth 265	Introduction to Statistics	3

Emphasis Choose one of the following:

Note: Accounting majors must substitute Act 418 for Bus 321.

Emphasis: (21-24 Units)

Accounting (24 Units)

Act 311	Intermediate Accounting I	3
Act 312	Intermediate Accounting II	3
Act 313	Cost Accounting	3
Act 315	Accounting Information Systems	3
Act 417	Federal and California State Income Taxes	3
Act 419	Auditing	3
Fin 333	Investments	3
Choose one of the following courses:		3
Act 332	Financial Statement Analysis	3
Bus 343	Operations	3
Fin 334	Entrepreneurial Finance	3
Fin 335	Property	3
IITP 261	Information Technology/Informatics	3
IITP 403	Database Management Systems	3

Finance (24 Units)

Act 332	Financial Statement Analysis	3
Fin 333	Investments	3
Fin 334	Entrepreneurial Finance	3
Fin 335	Property	3
Fin 436	Financial Institutions	3
Choose three of the following courses:		9
Act 311	Intermediate Accounting	3
Bus 323	Multinational Enterprise	3
Bus 326	New Ventures	3
Mkt 341	Marketing	3

Information Technology (21 Units)

Act 315	Accounting Information Systems	3
Bus 326	New Ventures	3
IITP 261	Information Technology/Informatics	3
IITP 403	Database Management Systems	3
Mkt 363	Computer Graphics	3
or IITP 360	or Multi Media Design	
Mkt 365	Computer Graphics with Motion	3
or IITP 466	or Computer Animation	
Choose one of the following courses:		3
IITP 101	Introduction to IT/Computer Science	3
IITP 105	Web Design Basics	3

Management (24 Units)

Bus 251	Legal Aspects of Business	3
Bus 424	Human Resource Managements	3
Bus 326	New Ventures and Entrepreneurship	3
Mkt 341	Marketing	3
Choose two of the following courses:		6
Bus 343	Operations	3
Fin 333	Investments	3
Fin 335	Property	3

Choose two of the following courses:		6
Bus 323	The Multinational Enterprise	3
Com 422	Studies in Public Relations	3
Eco 201	Macroeconomics	3
or Eco 202	or Microeconomics (one not taken in the core)	
Fin 334	Entrepreneurial Finance	3
IIT 261	Information Technology/Informatics	3
IIT 403	Database Management Systems	3
Mkt 363	Computer Graphics	3
or Mkt 365	or Computer Graphics with Motion	

Marketing (24 Units)

Mkt 341	Marketing	3
Mkt 344	The Advertising Agency	3
Mkt 345	Sales Promotion	3
Mkt 363	Computer Graphics	3
or IIT 360	or Multimedia Design	
Mkt 365	Computer Graphics with Motion	3
or IIT 466	or Computer Animation	
Mkt 442	Marketing Research	3

Choose three of the following courses: **6**

Bus 326	New Ventures and Entrepreneurship	3
Com 422	Studies in Public Relations	3
IIT 261	Information Technology/Informatics	3
Mkt 363	Computer Graphics	3
or Mkt 365	or Computer Graphics with Motion (one not taken above)	

Sport Management (24 Units)

Bus 424	Human Resource Management	3
ESS 320	Historical and Sociocultural Foundations	3
ESS 322	Organization and Management of Sport	3
ESS 323	Sport Marketing and Sponsorship	3
ESS 350	Sport Law	3
ESS 490	Internship	3
Mkt 341	Marketing	3

Choose one of the following courses: **3**

Com 422	Studies in Public Relations	3
IIT 261	Information Technology/Informatics	3
Mkt 344	The Advertising Agency	3
Mkt 442	Marketing Research	3

INFORMATION TECHNOLOGY/INFORMATICS MAJOR

53-54 UNITS

Core: (30 Units)

IIT 101	Introduction to IT and Computer Science	3
IIT 105	Web Design Basics	3
IIT 204	Visual Basic Programming [OOP]	3
IIT 205	Introduction to Operating Systems	3
IIT 261	Information Technology/Informatics	3
IIT 304	Systems Analysis and Design	3
IIT 307	Introduction to Networking	3
IIT 403	Database Management Systems	3
IIT 408	Information Resource Management	3
IIT 490	Internship/Research Seminar	3

Emphasis: (20-21 Units)

Behavioral Science (21 Units)

Ant 364	Culture and Self	3
BSc 265	Statistics for the Behavioral Sciences	3
BSc 296	Research Methods	3
Psy 345	Social Psychology	3
Psy 351	Personality Theory	3
Soc 316	Ethnic and Minority Relations	3
Soc 325	Women and Gender Issues	3

Biology (20 Units)

Bio 112	General Biology II	4
Bio 308	Genetics	4
Bio 350	Molecular and Cellular Biology	4
Bio 351	Microbiology	4
<i>Choose one of the following courses:</i>		4
Bio 247	Human Physiology	4
Bio 317	Ecology	4

Business (21 units)

Act 211	Financial Accounting	3
Act 315	Accounting Information Systems	3
Bus 201	Introduction to Management/Marketing/Information Technology	3
Bus 321	Management	3
Bus 326	New Ventures/Entrepreneurship	3
Mkt 341	Marketing	3
Mkt 363	Computer Graphics	3
or ITP 360	or Computer Graphics	3

Chemistry (20 Units)

Che 221	Chemistry I	4
Che 222	Chemistry II	4
Che 321	Organic Chemistry I	4
Che 322	Organic Chemistry II	4
<i>Choose one of the following courses:</i>		4
Che 354	Inorganic Chemistry	4
Che 421	Introduction to Biochemistry	4
Che 424	Analytic Chemistry	4

Communication (21 units)

Com 311	Advanced Public Speaking	3
Com 321	Mass Communication	3
Com 324	Intercultural Communication	3
Com 412	Writing for the Broadcast Media	3
Com 422	Studies in Public Relations	3
Com 451	Organizational Communication	3
Com 480	Theories of Human Communication	3

Computer Science (21 units)

ITP 104	Fundamentals of Programming (C++)	3
ITP 209	Computer Organization (Hardware)	3
ITP 308	Software Engineering	3
ITP 360	Multimedia Design	3
ITP 405	Advanced Operating Systems (Enterprise Computing)	3
ITP 410	Database Programming	3
ITP 420	Artificial Intelligence	3

Exercise and Sport Science (21 Units)

ESS 225	Principles of Weight Training and Cross Training	3
ESS 304	Motor Learning	3
ESS 320	Historical, Social and Cultural Foundations	3
ESS 365	Sport Psychology	3
ESS 406	Physiology of Exercise	3
ESS 407	Kinesiology	3
ESS 410	Measurement and Evaluation of Exercise	3

Mathematics (20 units)

Mth 265	Introduction to Statistics	3
Mth 271	Calculus I	5
Mth 272	Calculus II	5
Mth 373	Calculus III	4

Choose one of the following courses:

Mth 376	Discrete Mathematics	3
Mth 471	Linear Algebra	3

Multimedia/Web Design (21 Units)

ITP 360	Multimedia Design	3
ITP 361	Advanced Web Design	3
ITP 466	Computer Animation	3
Mkt 363	Computer Graphics	3
Mkt 365	Graphics with Motion	3

Choose two of the following courses:

Art 200	Elements of Art	3
Art 201	Drawing I	3
ITP 209	Computer Organization	3
ITP 308	Software Engineering	3

Political Science (21 Units)

Pol 211	U.S. History and Government	3
Pol 301	Political Theory	3
Pol 304	International Relations	3
Pol 308	Comparative Political Systems	3
Pol 312	Constitutional Law	3
Pol 335	British Parliament	3
Pol 412	Origins of the American Political System	3

Theology (21 Units)

Thl 371	Doctrine I	3
Thl 372	Doctrine II	3
Thl 375	Contemporary Religious Bodies	3
Thl 404	History of the Christian Church	3
Thl 429	Biblical Theology and Exegesis	3
Thl 430	Apologetics	3
Thl 465	Christians and Ethics	3

INTERNATIONAL BUSINESS MAJOR**139 UNITS**

Through a special arrangement with the École Supérieure Libre des Sciences Commerciales Appliquées in Paris, France, Concordia University offers a B.A. in International Business to École Supérieure Libre des Sciences Commerciales Appliquées students who study for one year at Concordia University, Irvine. See the Dean of the School of Business for degree requirements.

MINORS**ACCOUNTING MINOR****18 UNITS**

Act 211	Financial Accounting	3
Act 212	Managerial Accounting	3
Act 311	Intermediate Accounting I	3
Act 312	Intermediate Accounting II	3
<i>Choose one of the following courses:</i>		3
Act 313	Cost Accounting	3
Act 315	Accounting Information Systems	3
Act 417	Federal and California State Income Taxes	3
Act 419	Auditing	3
Fin 331	Finance	3
<i>Choose one of the following courses:</i>		3
Bus 201	Introduction to Management/Marketing/Information Technology	3
Bus 251	Legal Aspects of Business	3
Bus 321	Management	3
Bus 323	The Multimedia Enterprise	3
Bus 326	New Ventures and Entrepreneurship	3
Bus 424	Human Resource Management	3
Fin 331	Finance	3
ITP 261	Information Technology/Informatics	3
Mkt 341	Marketing	3
Mkt 442	Marketing Research	3

BUSINESS MINOR**18 UNITS**

Act 211	Financial Accounting	3
Bus 201	Introduction to Management/Marketing/Information Technology	3
Bus 321	Management	3
<i>Choose three of the following courses:</i>		9
Act 212	Managerial Accounting	3
Act 315	Accounting Information Systems	3
Bus 251	Legal Aspects of Business	3
Bus 323	The Multinational Enterprise	3
Bus 326	New Ventures and Entrepreneurship	3
Fin 331	Finance	3
Fin 436	Financial Institutions	3
ITP 261	Information Technology/Informatics	3
Mkt 341	Marketing	3

INFORMATION TECHNOLOGY MINOR

21 UNITS

ITP 101	Introduction to IT/Computer Science (Java)	3
ITP 105	Web Design Basics	3
ITP 205	Introduction to Operating Systems (Linux, Windows)	3
ITP 261	Information Technology/Informatics	3
ITP 307	Introduction to Networking (OSI, LAN, WAN, MAN, etc.)	3
ITP 403	Database Management Systems	3
<i>Choose one of the following courses:</i>		3
ITP 204	Visual Basic Programming [OOP]	3
ITP 304	Systems Analysis and Design	3
ITP 360	Multimedia Design	3
ITP 466	Computer Animation	3



School of Education

**DR. JOSEPH A. BORDEAUX,
ACTING DEAN**

The purpose of the School of Education is to prepare professional educators who demonstrate knowledge of theory and practice by making informed decisions leading to exemplary instruction and learning for all students.

◆ UNDERGRADUATE PROGRAMS

- **Undergraduate Elementary Education Programs**
(Liberal Studies Major)
Dr. Janice Massmann, Director
- **Undergraduate Secondary Education Programs**
Dr. Barbara Morton, Director
- **Teacher Credential Program**
Dr. Janice Massmann, Director
- **Lutheran Teacher Certification**

- ◆ **MASTER OF EDUCATION (M.ED.)**
(combined credential/master's degree)
Dr. Barbara Morton, Director

- ◆ **MASTER OF ARTS IN EDUCATION**
Dr. Joseph Bordeaux, Director
with emphases in:
Curriculum and Instruction
Administration

- ◆ **ADMINISTRATIVE SERVICES CREDENTIALS**
Dr. Joseph Bordeaux, Director

SCHOOL OF EDUCATION FACULTY

Joseph A. Bordeaux	Professor of Education	PhD	St. Louis University, MO, 1994
Dwight R. Doering	Assoc. Prof. of Education	PhD	Georgia State University, Atlanta, 1998
Margarita Jimenez-Silva	Assoc. Prof. of Education	EdD	Harvard University, Cambridge, MA, 2002
Janice C. Massmann	Asst. Prof. of Education	EdD	Argosy University, Orange, CA 2004
Deborah S. Mercier	Asst. Prof. of Education	MS	CSU, Fullerton, 1976
Barbara E. Morton	Professor of Education	PhD	University of Texas, Austin, 1984
M. Patty O'Connor	Resident Faculty	MA	Azusa Pacific University, Azusa, CA, 1996
Rebecca R. Peters	Asst. Prof. of Education	MA	Concordia University Irvine, 1999
Sandra E. Scharlemann	Assoc. Prof. of Education	PsyD	United States Int'l University, San Diego, CA, 2001
Michael W. Schulteis	Asst. Prof. of Education	ScEdD	Curtin University, Perth, Western Australia, 2003
Kurt Stewart	Resident Faculty	MA	University of Southern California, 1972
Dian K. Vieselmeyer	Asst. Prof. of Education	MEd	Concordia University, Seward, NE, 1984
Hal H. Whelpley Jr.	Professor of Education	EdD	Indiana University, Bloomington, 1978

SCHOOL OF EDUCATION TARGETS AND GOALS

1. SYSTEMATIC INQUIRY

- **Critical Thinking.** Graduates will be able to use analytical skills in diagnosing learning needs, designing and developing appropriate learning materials and strategies and assessing learning outcomes.

2. CLEAR COMMUNICATION

- **Professional and Interpersonal Communication.** Graduates will be able to communicate effectively with parents, students and colleagues using appropriate verbal and non-verbal techniques.
- **Learning Environmental Design.** Graduates will be able to describe attributes of classrooms in which students learn effectively, plan learning spaces that incorporate such attributes and implement their plans through appropriate coordination with administrators and support staff.

3. HEALTH AND WELL-BEING

- **Balanced Lifestyle.** Graduates will model healthy life choices.

4. SOCIOCULTURAL RESPONSIVENESS

- **Accommodating Diverse Populations.** Graduates will model sensitivity to diversity issues through written and spoken expression in all relationships with students, parents and colleagues. Graduates also will model appreciation of the various qualities of diverse student populations and adapt environments, learning activities and management strategies appropriately to meet the needs of the populations served.
- **Language Acquisition Awareness.** Graduates will articulate the effects of second language acquisition on socialization and learning and plan learning experiences accordingly.
- **Global Awareness.** Graduates will perceive themselves as members of a world community and be able to articulate differing viewpoints on current issues.

5. CHRISTIAN LITERACY AND LIFE

- **Ethical Decision-Making.** Graduates will seek solutions to ethical problems consistent with Biblical principles in their daily lives.
- **Christian Witness.** Graduates will model Christian values with those whom they live and work.

6. AESTHETIC RESPONSIVENESS

- **Creative Teaching.** Graduates will see teaching not only as a skill but also as an art to which they aesthetically as well as cognitively respond. Graduates will seek to integrate writing, drama, music and art throughout the curriculum and to model for their students affective responses in these areas.

7. SERVANT LEADERSHIP

- **Leaders as Professionals.** Graduates will demonstrate their leadership in such a manner as to enhance the public image of the professional educator.
- **Leaders as Servants.** Graduates will model servant behavior as they strive to meet the needs of all students in schools.
- **Leaders as Visionaries.** Graduates will be able to develop, describe and implement a vision for success in their school and community.



School of Education

Majors

LIBERAL STUDIES MAJOR

88.5 UNITS

The liberal studies major is the Elementary Subject Matter Preparation Program approved by the state of California for students preparing to be elementary or multiple subject teachers. The coursework is aligned to the California Content Specifications and is the best preparation for the CSET (California Subject Examination for Teachers) that ALL students pursuing an elementary teaching credential must pass.

A. FINE ARTS

Art 101	Experiences in Art	1.5
Mus 101	Experiences in Music	1.5
Thr 101	Experiences in Theatre	1.5
Choose one of the following courses:		3
Art 488	Children's Art	3
Mus 461	Music for Children	3
Thr 461	Creative Dramatics	3

B. HISTORY/SOCIAL SCIENCE:

Ant 210 or Soc 101	Cultural Anthropology or Introduction to Sociology	3
Hst 201	Western Civilization	3
Hst 301	Eastern Civilization	3
Hst 478	California History and Cultures	3
Pol 211	U.S. History and Government	3

C. HUMAN DEVELOPMENT

Educ 301	Psychology and Development of Diverse Learners	3
Psy 313	Developmental Psychology: Childhood	3

D. INTERDISCIPLINARY/EDUCATION

___ 411	Interdisciplinary Seminar	3
Educ 101	Teaching Careers I	1
Educ 201	Teaching Careers II	1

E. LANGUAGE:

Com 111	Public Speaking	3
Eng 102	Writing and Research	3
Eng 201	Themes in Literature	3
Eng 391	Children's Literature	3
Edu 435	Linguistic Development & Second Language Acquisition	3
Advanced Writing (choose one):		3
Com 222	Theory and Practice of Journalism	3
Com 412	Writing for Broadcast Media	3
Wrt 324	Writing for Children and Teens	3
Wrt 325	Writing for the Workplace	3
Wrt 327	Creative Writing	3
Wrt 329	Non-fiction Writing	3

F. MATHEMATICS:		9 units
Mth 201	Principles of Math	3
Mth 311	Math for Teachers I	3
Mth 312	Math for Teachers II	3

G. PHYSICAL EDUCATION/HEALTH		5 units
ESS 101	Education for Healthful Living	2
ESS 340	Elementary Physical Education	3

H. SCIENCE		11 units
Bio 101	Principles of Biology	4
Sci 115	Physical Science	4
Sci 301	Introduction to Earth Science	3

I. CONCENTRATION		12 units
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Liberal studies majors may select from the following areas of concentration:

American Political Studies	General Science	Music
Art	History	Physical Education
Child Development	Life Sciences	Spanish
English	Mathematics	Theatre

To qualify for admittance into the Teacher Education Program, Liberal Studies Majors must earn a minimum grade of B- in Educ 101 and Educ 201 and maintain a GPA of 2.7 with no course grade below C-.

Regular consultation with a program advisor is critical to be certain that the student's program of study meets all state and university requirements.

Note: With careful planning, an undergraduate who begins Concordia as a freshman with the intent to enter the Teacher Education Program may be able to complete the liberal studies major and multiple subject credential requirements within four years.

EARLY CHILDHOOD MINOR

Concordia offers a minor in early childhood education. This minor is designed to meet course requirements for California's Child Development Permit*. The Child Development Permit is issued by the California Commission on Teacher Credentialing and authorizes the holder to serve in child development programs providing care and instruction of children ages birth through pre-kindergarten.

Early Childhood Minor Coursework (18 Units)

Required Coursework:

Edu 248	Principles & Curriculum of Early Childhood Education	3
Edu 466	Helping Children Cope with Stress and Violence	3
Edu 468	Observation and Assessment (Practicum)	3
Edu 490	Early Childhood Field Experience*	3
Psy 313	Developmental Psychology: Childhood	3
Soc 332	Child, Family, and Community	3

Choose one of the following:

Edu 467	Emergent Literacy	3
Eng 491	Children's Literature	3
Mus 461	Music for Children	3
Psy 314	Developmental Psychology: Adolescence	3

With careful planning the early childhood minor can be combined with a major in liberal studies leading toward a California Teaching Credential. If you are interested in this option, it is important you meet as early as possible with your advisors and the School of Education to complete a four year plan as some of the early childhood courses are not taught every semester.

* **Please note:** There are six levels of the Child Development Permit. Some levels require supervised field experience. Detailed information on the various levels to the Child Development Permit is available in the School of Education office.



School of Education Programs

TEACHER EDUCATION PROGRAMS

Concordia offers a state-approved Teacher Credential Program leading to a Preliminary California Credential. Concordia offers teacher credential programs in both multiple (elementary) and single subject (secondary).

Concordia also offers undergraduate subject matter preparation programs. The Elementary Subject Matter Preparation is the Liberal Studies Program outlined on the previous pages. Single Subject Preparation Programs are offered in English, math and biology. Information about these programs may be found in the School of Education Office.

Admission to Undergraduate Teacher Education Programs

Educ 400 level courses are part of the California Credential Program. To begin taking this coursework as an undergraduate, one must be fully admitted to the Teacher Education Program. Requirements for full admission are the following:

1. Cumulative GPA of 2.7 or higher, with no course grade lower than C-.
2. Successful completion of Educ 101 and Educ 201. This requires a grade of B- or higher and positive evaluation of the field experience component by the director of field experience and the classroom teacher.
3. Two letters of recommendation (one from Concordia faculty member).
4. Official college transcripts from all colleges attended.
5. Certificate of Health Clearance.
6. Approval by Concordia University's dean of students.
7. Interview and recommendation from School of Education faculty advisor.
8. Approval by the School of Education dean and faculty.
9. Verification of having passed CBEST.
10. Passage of subject matter examination, CSET, where applicable.*

***NOTE:** The passage of CSET is different for various majors. Please refer to the *Undergraduate Elementary and Secondary Education Handbook* to find out **when** you must take this exam. These handbooks are available in the School of Education Office. Students enrolled in Concordia's mathematics, biology or English single subject preparation major are exempt from taking the CSET.

International Students: A minimum score of 525 on the Test of English as a Foreign Language (TOEFL) and demonstration of proficient English communication skills in field experiences is required.

PROFESSIONAL PREPARATION COURSEWORK

The following professional education requirements apply to all students admitted to the Teacher Education Program.

ELEMENTARY ED. (MULTIPLE SUBJECT CRED.) COURSES		34 UNITS
Educ 201	Introduction to Teaching Careers II	1
Educ 301	Psychology and Development of Diverse Learners	3
Educ 401	Instructional Planning and Assessment	3
Educ 402	Creating a Positive Learning Environment	3
Educ 422	Math and Science Methods – Elementary	2
Educ 423	Integrated Curriculum Methods – Elementary	2
Educ 451	Language and Culture	3
Educ 460	Elementary Reading	4
Educ 480	Student Teaching I - Elementary	1
Educ 901	Student Teaching II	12

SECONDARY ED. (SINGLE SUBJECT CRED.) COURSES		34 UNITS
Educ 201	Introduction to Teaching Careers II	1
Educ 301	Psychology and Development of Diverse Learners	3
Educ 401	Instructional Planning and Assessment	3
Educ 402	Creating a Positive Learning Environment	3
Educ 424	Secondary Curriculum Methods	4
Educ 451	Language and Culture	3
Educ 470	Content Area Reading	4
Educ 481	Student Teaching I - Secondary	1
Educ 901	Student Teaching II	12

Prior to student teaching, the CSET or a Single Subject Matter Preparation Program must be completed and documented with a GPA of 2.7 or higher and no course grade lower than a C-.

PRELIMINARY CREDENTIAL

Candidates may be recommended to the state of California for a Preliminary Credential when the following requirements have been completed:

1. A bachelor's degree from a regionally accredited institution.
2. A passing score on the CBEST (California Basic Educational Skills Test).
3. An approved professional preparation program, including Student Teaching I and II with a minimum grade of B-.
4. U.S. Constitution course or approved alternative demonstration of competency.
5. Level I technology competencies (Edu 098 or Edu 485).
6. Demonstration of subject matter competence (passage of CSET or Single Subject Matter Preparation Programs with GPA of 2.7 and no grade below a C-).
7. Passage of the TPA (Teacher Performance Assessment).
8. Passage of RICA (Reading Instruction Competence Assessment)—for multiple subject candidates only.

Candidates filing for the Preliminary Credential must apply through the School of Education Office. Regular consultation with a program advisor is critical to be certain that the candidate's program of study meets all state and university requirements.

LUTHERAN TEACHER CERTIFICATION

Please see “Requirements for the Christ College Certificate” on page 105 for program requirements.

Lutheran Teaching Ministry Certification also requires:

- Completion of all professional preparation requirements for the Teacher Education Program, including successful student teaching.
- Membership in a congregation of The Lutheran Church—Missouri Synod.



School of Theology

DR. JAMES V. BACHMAN,
DEAN

DR. STEVEN P. MUELLER,
ASSOCIATE DEAN

The purpose of the School of Theology is to enable students to understand, communicate, teach, defend and believe the Christian faith through systematic inquiry of the Bible, of the doctrines of the church and of other statements of faith.

The School of Theology also equips students for professional church work in their chosen field.

- ◆ **CENTER FOR U.S. MISSIONS**
Rev. Michael Rubl, Director
- ◆ **LUTHERAN BIBLE INSTITUTE
CALIFORNIA**
Sam Giesy, Interim Director

UNDERGRADUATE PROGRAMS

◆ MAJORS

Christian Education Leadership
Theological Studies
Theology

◆ MINORS

Biblical Languages
Missiology
Philosophy
Theology

◆ PROGRAMS

Colloquy

Dr. Timothy Peters, Director

Director of Christian Education

Prof. Patra Mueller, Director

Prof. Christine Ross,

Assistant Director

Director of Parish Music

Dr. Michael Busch, Director

Pre-Seminary Studies

Prof. Robert Rossow, Director

GRADUATE PROGRAMS

◆ CROSS-CULTURAL MINISTRY CENTER

Prof. Gregory Seltz, Director

◆ MASTER OF ARTS DEGREE

**M.A. in Theology with
emphases in:**

**Christian Leadership
Research in Theology
Theology and Culture**

SCHOOL OF THEOLOGY FACULTY

Eshetu Abate	Prof. of Theology	ThD	Concordia Seminary, St. Louis, MO, 1988
James V. Bachman	Prof. of Philosophy	PhD	Florida State University, Tallahassee, 1986
Mark A. Brighton	Asst. Prof. of Biblical Languages & Theology	PhD	University of Calif., Irvine, 2003
		Cand.	
Michael P. Middendorf	Prof. of Theology	ThD	Concordia Seminary, St. Louis, MO, 1990
Craig L. Molitoris	Asst. Prof. Of Theology	STM	Concordia Seminary, St. Louis, MO, 1986
Steven P. Mueller	Prof. of Theology	PhD	Durham University, England, 1997
Patra S. Mueller	Asst. Prof. of Christian Ed.	MS	Concordia University, Seward, NE, 2000
Jacob A.O. Preus	Prof. of Theology	ThD	Concordia Seminary, St. Louis, MO, 1986
W. Rod Rosenblatt	Prof. of Theology	PhD	Université de Strasbourg, France, 1978
Christine M. Ross	Asst. Prof. of Christian Ed.	MA	Eastern University, St. David's, PA, 1994
Robert F. Rossow	Asst. Prof. of Theology	MDiv	Concordia Seminary, St. Louis, MO, 1986
Gregory P. Seltz	Asst. Prof. of Theology	STM	Concordia Seminary, St. Louis, MO, 1994
Dean M. Vieselmeyer	Prof. of Theology	PhD	University of Nebraska, Lincoln, 1989

SCHOOL OF THEOLOGY EDUCATIONAL TARGETS AND GOALS

1. COMPREHENSION OF SCRIPTURE

Goal: Students will be able to express an understanding of the language, contents, history, culture and themes of the Bible.

2. UNDERSTANDING OF DOCTRINE

Goal: Students shall acquire the ability to integrate and articulate biblical doctrine in systematic constructs.

3. DEVELOPMENT OF FAITH IN CHRIST

Goal: Students shall articulate a personal faith in Christ that is well informed from a biblical perspective.

4. MISSION ORIENTATION

Goal: Students will acquire a positive attitude regarding the Great Commission and a life of service in the kingdom of God.

5. ACQUAINTANCE WITH OTHER THEOLOGICAL THOUGHT AND EXPRESSION

Goal: Students will obtain an understanding of prominent religions, denominations and philosophies of the past and present.

6. CHURCH LEADERSHIP SKILL DEVELOPMENT

Goal: Students will acquire needed skills for their future responsibilities as lay persons in the church.

7. EQUIPPING FOR MINISTRIES OF THE CHURCH

Goal: Students will acquire professional competencies for church work in their chosen career.

School of Theology

Majors

Students who select any of the following majors are required to take Thl 371 in their general education.

CHRISTIAN EDUCATION LEADERSHIP MAJOR 46 UNITS

CEd 202	Parish Program Leadership	3
CEd 302	Teaching Strategies and Management	3
CEd 360	Group Dynamics	3
CEd 370	Children's Ministry	3
CEd 380	Youth Ministry	3
CEd 460	Adult Education in the Parish	3
CEd 470	Family Ministry	3
Com 216	Interpersonal Communication	3
Educ 301	Psychology and Development of Diverse Learners	3
Psy 466	Principles of Counseling	3
Thl 222	Christian Witness and Evangelism	1
Thl 372	Christian Doctrine II	3
Thl 375	Contemporary Religious Bodies in America	3
Thl 382	Corporate Worship	3
Thl 429	Biblical Theology and Exegesis	3
Thl 481	World Missions	3

Recommended electives:

CEd 201	Introduction to Christian Education	3
Com 311	Advanced Public Speaking	3
Com 324	Intercultural Communication	3
Psy 261	Chemical Dependency and Addiction	3
Psy 314	Developmental Psychology: Adolescence	3
Soc 331	Marriage and the Family	3
Soc 332	Child, Family and Community	3
Soc 355	Social Gerontology	3
Thl 321	World Religions	3
Thl 430	Christian Apologetics	3
Thl 465	Christian Ethics	3

THEOLOGY MAJOR 36 UNITS

Thl 311	Old Testament Book of the Bible	3
Thl 312	New Testament Book of the Bible	3
Thl 321	World Religions	3
Thl 372	Christian Doctrine II	3
Thl 375	Contemporary Religious Bodies in America	3
Thl 404	History of the Christian Church	3
Thl 429	Biblical Theology and Exegesis	3
Thl 430	Christian Apologetics	3
Thl 465	Christian Ethics	3

<i>Choose one of the following introductory philosophy courses:</i>			3
Phi 210	Introduction to Philosophy		3
Phi 211	Philosophical Ethics		3
<i>Choose one of the following philosophy courses:</i>			3
Phi 433	Philosophy of Religion		3
Phi 439	Analytic Philosophy		3
<i>Choose one of the following historical theology courses:</i>			3
Thl 355	The Reformation		3
Thl 365	Readings in Classical Christian Thought		3

THEOLOGICAL STUDIES MAJOR**46 UNITS**

Gre 101	Greek I		5
Gre 102	Greek II		4
Heb 101	Hebrew I		5
Heb 102	Hebrew II		4
Thl 222	Christian Witness and Evangelism		1
Thl 321	World Religions		3
Thl 365	Readings in Classical Christian Thought		3
Thl 372	Christian Doctrine II		3
Thl 375	Contemporary Religious Bodies in America		3
Thl 382	Corporate Worship		3
Thl 429	Biblical Theology and Exegesis		3
Thl 430	Christian Apologetics		3
Thl 465	Christians and Ethics		3
<i>Choose one of the following:</i>			3
Thl 311	Old Testament Book of the Bible		3
Thl 312	New Testament Book of the Bible		3



School of Theology

Minors

BIBLICAL LANGUAGES MINOR 21 UNITS

Gre 101	Greek I	5
Gre 102	Greek II	4
Heb 101	Hebrew I	5
Heb 102	Hebrew II	4
<i>Choose one of the following courses:</i>		3
Gre 211	Readings in the Gospels & Acts	3
Gre 310	Readings in the Pauline Epistles	3
Heb 201	Readings in the Hebrew Bible	3

MISSIOLOGY MINOR 22 UNITS

Ant 210	Cultural Anthropology	3
Ant 435	Anthropology of Religion	3
Thl 222	Christian Witness and Evangelism	1
Thl 321	World Religions	3
Thl 430	Christian Apologetics	3
Thl 481	World Missions	3
<i>Choose one of the following courses:</i>		3
Com 324	Intercultural Communication	3
Mus 451	Music Cultures of the World	3
Phi 433	Philosophy of Religion	3
Soc 316	Ethnic and Minority Relations	3
<i>Choose one of the following courses:</i>		3
Hst 338	Modern European History	3
Hst 351	Latin American Civilization	3
Hst 371	Islamic Civilization	3

PHILOSOPHY MINOR 18 UNITS

Phi 201	Critical Thinking	3
Phi 210	Introduction to Philosophy	3
Phi 211	Philosophical Ethics	3
Phi 433	Philosophy of Religion	3
Phi 439	Analytic Philosophy	3
<i>Choose one of the following courses:</i>		3
Thl 430	Christian Apologetics	3
Thl 465	Christians and Ethics	3

THEOLOGY MINOR 24 UNITS

Thl 321	World Religions	3
Thl 365	Readings in Classical Christian Thought	3
Thl 371	Christian Doctrine I	3
Thl 372	Christian Doctrine II	3
Thl 375	Contemporary Religious Bodies	3
Thl 429	Biblical Theology and Exegesis	3
Thl 430	Christian Apologetics	3
Thl 465	Christians and Ethics	3

School of Theology Programs

DIRECTOR OF CHRISTIAN EDUCATION PROGRAM (DCE)

Professor Patra S. Mueller, Director

Professor Christine M. Ross, Assistant Director

A Director of Christian Education (DCE) is a life span educational leader prepared for team ministry in a congregational setting and is certified, called and commissioned by The Lutheran Church—Missouri Synod (LCMS). A DCE, empowered by the Holy Spirit, plans, administers and assesses ministry that nurtures and equips people in the Body of Christ for spiritual maturity, service and witness in home, job, congregation, community and the world.

The purpose of the DCE program is to equip leaders for ministry who are passionate about the Gospel, God's people and their callings. Upon the successful completion of the Christian education leadership major and the DCE program requirements and upon recommendation of the faculty, students will receive certification as a DCE by the LCMS and become eligible to receive a call into full-time service in the church. Through four years of coursework and one year of internship, students will be prepared to effectively serve in a congregational setting in the following roles: ministry leader, Christian educator, life span minister (including youth ministry) and care minister.

The Christian education leadership major may also be taken by students who are interested in a full-time church ministry outside the LCMS. Students may also choose a minor in a specific discipline that interests them and will enhance their service to the church.

DCE Program Requirements

A. GENERAL EDUCATION: (pages 25-27)

Normally completed during the first two years of attendance.

B. MAJOR REQUIREMENTS*: (47 units)

The Christian Education Leadership major is required for all DCE students (see page 97).

C. SUGGESTED MINORS:

Anthropology, Art, Biblical Languages, Business, Communication, Cross Cultural Studies, Early Childhood Studies, Music, Missiology, Psychology, Sociology, Theatre, Theology and Writing

D. DCE PROFESSIONAL COURSE REQUIREMENTS: (30 units)

Ced 201	Introduction to DCE Ministry	3
Ced 401	DCE Ministry Seminar/Field Work I	3
Ced 402	DCE Ministry Seminar/Field Work II	3
Ced 490	Internship (post grad)	12
Christ College	Requirements	21*

*See Christ College on page 104-105.

E. INTERNSHIP: Post BA (12 units)

The final requirement for DCE certification is a year-long internship, normally following graduation, in a congregation, agency or mission site of The Lutheran Church—Missouri Synod, that will enable students to experience as many aspects of the DCE ministry as possible. While interns register as students under the ultimate direction of the DCE Program Director during internship, they are also paid by the participating congregation or agency and are under the direct supervision of a full-time person in the congregation or agency during this time.

DIRECTOR OF PARISH MUSIC PROGRAM

Dr. Michael L. Busch, Director

The Director of Parish Music (DPM) Program grants the bachelor of arts degree and the Christ College certificate, with which the candidate is eligible to receive a divine call to serve in a congregation or other agency affiliated with The Lutheran Church—Missouri Synod.

Director of Parish Music Program Requirements

A. GENERAL EDUCATION: (pages 25-27)

Normally completed during the first two years of attendance. The student may, if placed by examination, substitute Mus 201 in the music major for the Mus 101 Fine Arts option in general education.

B. MAJOR REQUIREMENTS: (Music major— 45 units—page 50)**C. Christ College Requirements: (21 units)**

See Christ College, page 104-105.

D. DPM PROGRAM REQUIREMENTS: (15 UNITS)

Mus 390	Practicum in Music Leadership	3 total
Mus 482	Musical Heritage of the Church	3
Mus/Thl 483	Hymnody and Sacred Song	2
Mus/Thl 484	Planning Music in Christian Worship	2
Thl 382	Corporate Worship	3
Secondary instruments (in addition to a primary instrument)		2

Students must demonstrate the following skills by graduation:

MUKP 202 if piano is not the primary instrument
 or MUKO 102 or keyboard improvisation
 and MUVO 100 (class voice)
 or MUVO 101 (private voice) if not the primary instrument

E. INTERNSHIP: POST BA (12 UNITS)

The final requirement for DPM certification is a year-long internship, normally following graduation, in a congregation or agency of The Lutheran Church—Missouri Synod, that will enable students to experience as many aspects of the DPM ministry as possible. While interns register as students under the ultimate direction of the DPM Program director, they are also paid by the participating congregation or agency and are under the direct supervision of a full-time person in the congregation or agency during this time.

PRE-SEMINARY STUDIES PROGRAM

Professor Robert F. Rossow, Director

The Pre-Seminary Studies Program furnishes students with the academic training essential not only for successful entrance into a seminary but also for a successful ministry. The program is structured to encourage personal and spiritual growth in pastoral attitudes, habits and skills. Upon successful completion of the program, students are prepared to enter a seminary to continue their study that normally includes three additional years of academic work and one year of vicarage. Entrance requirements will vary from seminary to seminary, but normally a bachelor's degree and proficiency in the biblical languages of Greek and Hebrew are required of all who desire admission to a seminary. Seminaries generally also require personal references and recommendations.

General admission to the university does not constitute admission to the Pre-Seminary Studies Program. Students are advised to consult the director of the Pre-Seminary Studies Program for specific requirements and procedures for admission.

Pre-Seminary Studies Program Requirements

A. GENERAL EDUCATION: (pages 25-27. 49-50 semester units)

Normally completed during the first two years of attendance.

B. MAJOR REQUIREMENTS: (36-38 units)

Completion of any approved major.

C. PROGRAM REQUIREMENTS:

		36-38 units
CCI 001	Seminar in Pastoral Ministry (must be taken annually)	2-4
CCI 103-403	Christ College Modules	4
Gre 101	Greek I	5
Gre 102	Greek II	4
Heb 101	Hebrew I	5
Heb 102	Hebrew II	4
Thl 371	Christian Doctrine I (may be taken as general education)	3
Thl 372	Christian Doctrine II	3
Thl 465	Christians and Ethics	3
<i>Choose one of the following courses:</i>		3
Phi 210	Introduction to Philosophy	3
Phi 211	Philosophical Ethics	3

HIGHLY RECOMMENDED:

CEd 388	Youth Ministry	3
CEd 487	Parish Program Leadership	3
CEd 488	Family Ministry	3
CEd 489	Adult Education in the Parish	3
Educ 301	Psychology and Development of Diverse Learning	3
Gre 210	Readings in the Gospels & Acts	3
Gre 310	Readings in the Pauline Epistles	3
Heb 201	Readings in the Hebrew Bible	3
Psy 466	Principles of Counseling	3
Thl 222	Christian Witness and Evangelism	1
Thl 430	Christian Apologetics	3

D. ADDITIONAL INFORMATION:

All students in the program are required to meet with the director of the Pre-Seminary Studies Program annually to discuss their personal, professional, intellectual and spiritual growth for the pastoral ministry.

LUTHERAN BIBLE INSTITUTE CALIFORNIA

The Lutheran Bible Institute California (LBIC) is a House of Studies at Concordia University offering a two-year program of intensive study of the scriptures, as well as spiritual formation, for students who sense a call to be leaders in the church, whatever their eventual vocation. LBIC students are fully integrated into CUI academic programs.



Christ College

**DR. STEVEN P. MUELLER,
DEAN**

Christ College is the school for professional church career development that guides students interested in receiving certification for careers in The Lutheran Church—Missouri Synod. LCMS students pursuing such certification must apply for admission into Christ College, complete the basic academic preparation in the pre-seminary studies, teacher education, director of parish music or director of Christian education programs and fulfill the specific requirements for the Christ College certificate. Students must maintain a 2.5 cumulative GPA in all course work and a 3.0 cumulative GPA in required Christ College courses. Students must receive at least a C- in courses required for LCMS certification. Those students successfully completing all requirements will receive a certificate along with a commemorative medallion from Christ College at graduation and will be considered for recommendation by the faculty for certification by The Lutheran Church—Missouri Synod or admission into an LCMS seminary.

- ◆ **DIRECTOR OF CHRISTIAN
EDUCATION CERTIFICATION**
- ◆ **DIRECTOR OF PARISH
MUSIC CERTIFICATION**
- ◆ **LUTHERAN TEACHING
MINISTRY CERTIFICATION**
Elementary Education
Secondary Education
- ◆ **PRE-SEMINARY STUDIES
CERTIFICATION**

Requirements for the Christ College Certificate

A. The following courses are required of students in all of the church career programs*:

CCI 001-007	Seminar in Ministry	5-2
	<i>Students take this course once per year during the semester when not registered for CCI 103, 203, 303 or 403.</i>	
CCI 103	Introduction to Ministry	1
CCI 203	Church Polity & Organizational Structure	1
CCI 303	Great Commission Opportunities	1
CCI 403	Teaching and Living the Faith	1
Thl 201	History and Literature of the Old Testament	3
Thl 202	History and Literature of the New Testament	3
Thl 371	Christian Doctrine I	3
Thl 372	Christian Doctrine II	3
Thl 404	History of the Christian Church	3

B. In addition to all of the courses listed above, pre-seminary students are required to take the following courses:

Gre 101	Greek I	5
Gre 102	Greek II	4
Heb 101	Hebrew I	5
Heb 102	Hebrew II	4
Thl 465	Christians and Ethics	3
	<i>Choose one of the following introductory philosophy courses:</i>	
Phi 210	Introduction to Philosophy	3
Phi 211	Philosophical Ethics	3

Courses of Instruction

COURSES: AN INTRODUCTORY REMARK

Concordia University projects the following courses. Implementation of these courses depends upon the availability of faculty and adequate student enrollment. Not all courses will be offered in all years. Course numbers indicate the academic level: 100–200 courses are lower division; 300–400 courses are upper division. 099 courses receive academic credit, but this credit does not count toward graduation. Freshmen ordinarily do not take upper division courses. For offerings during specific semesters, students should consult the current Concordia University Master Course Schedule.

ACCOUNTING

- | | | |
|----------------|--|----------|
| Act 211 | Financial Accounting | 3 |
| | Basic elements of accounting and methods of gathering and reporting financial data. Includes a study of financial statements; journalizing financial transactions; merchandising activities; investments in property, plant and equipment; and depreciation as it applies to corporations. | |
| Act 212 | Managerial Accounting | 3 |
| | Management decision-making based on accounting concepts. Includes equity financing, introduction to management accounting, cost terms and concepts, cost accumulation systems, product costing systems and analyzing cost behavior patterns, including cost-volume-profit relationships. Prerequisite: Act 211. | |
| Act 311 | Intermediate Accounting I | 3 |
| | Expansion of the theories and concepts of accounting treated in greater depth. Includes study of the balance sheet and owner's interests; accrual accounting, including revenue recognition and cost allocation; the income statement and measures of performance; statement of cash flows; and cash and receivables. Prerequisite: Act 212. | |
| Act 312 | Intermediate Accounting II | 3 |
| | Continuation of Bus 311 with emphasis on the following: inventories, current liabilities, long-term assets, intangible assets, long-term liabilities, accounting for leases and equity securities. Prerequisite: Act 311. | |
| Act 313 | Cost Accounting | 3 |
| | Course covers cost accounting cycle; cost elements of product/service; job order, process and standard cost systems; overhead allocation considerations; cost behavior; cost-volume-profit relationships; analysis of overhead variances. Prerequisite: Act 212. | |
| Act 315 | Accounting Information Systems | 3 |
| | Concepts, controls and tools of computerized accounting information systems using spreadsheets and databases. Use of computerized accounting software packages. Prerequisite: Act 212. | |

- Act 332 Financial Statement Analysis 3**
 Analysis of financial statements for business valuation and strategic considerations. Ratio analysis and time value of money concepts used in order to analyze the financial conditions of a business organization. Credit analysis and corporate finance issues also covered. Prerequisite: Act 211.
- Act 417 Federal and California State Personal Taxes 3**
 The preparation of federal and California state income tax returns for the individual. The course will cover in detail federal forms and schedules and California adjustments to income.
- Act 418 Federal Tax Accounting 3**
 Study of the theory and principles of federal income tax law as it applies to business entities. Emphasis is placed on the theoretical framework as well as practical application and planning. Study of special tax considerations pertaining to S corporations and partnerships. Prerequisite: Act 417.
- Act 419 Auditing 3**
 Methods and procedures used to verify the accuracy and responsible reporting of financial information within the ethical framework of the professional auditor. Specific topics will include ethics, legal liability, internal control and reporting. Prerequisite: Act 312 or consent of instructor.

ANTHROPOLOGY

- Ant 210 Cultural Anthropology 3**
 Understanding of diverse cultures of the world, from preliterate societies to modern technological societies; mankind's universal as well as adaptive dimensions of people. Examination of socioeconomic, political, religious and physical environmental factors related to the values and lifestyles of various peoples of the world.
- Ant 241 Field Anthropology 3**
 Practical application of anthropological concepts designed to assist in analyzing, understanding and living within other cultural traditions. Topics include the role of culture, living with culture shock, strategies for analyzing cultures, the processes of assimilation, language issues, and cultural foodways, manners, and social expectations.
- Ant 314 Native Peoples of North America 3**
 An anthropological overview of native North American societies from pre-Columbian times to the present utilizing a culture area approach. Emphasis on the native people of California.
- Ant 364 Culture and Self 3**
 An exploration of the relationship between individual experiences and the socio-cultural context. Course will focus on the role socio-cultural institutions play on personality, health and world view.
- Ant 435 Anthropology of Religion 3**
 A comparative examination of religion as an aspect of human culture. Topics will include substantive and functional approaches to religious behavior, religion as a symbol system, ritual behavior, magic, religious movements and paranormal phenomena. Prerequisite: Ant 210 or consent of instructor.

ART

NOTE: A lab fee of \$40 is required for each art course with the exception of Art 311, 312 and 315.

- Art 101 Experiences in Art 1.5**
This course is designed to expose the student to the visual elements of art such as line, value and color. Students also develop basic drawing skills which enable them to create two-dimensional and three-dimensional art forms. Through active participation in artist's exhibitions and lectures the student is introduced to the study of art history and the role the artist plays within society.
- Art 170 Digital Publishing 3**
Also referred to as "desktop publishing," this class will teach students to use Adobe *InDesign*, a page layout program. Students will also learn to combine images created in Adobe *Illustrator* and Adobe *Photoshop* with text to produce newsletters, magazines, books, brochures, annual reports, etc.
- Art 171 Digital Image Manipulation 3**
Through tutorials and guided projects, students will become proficient with Adobe *Photoshop*, the industry-standard digital image manipulation program and a foundation communication tool that has applications in graphic design, advertising, web design, animation and multimedia.
- Art 172 Digital Illustration 3**
Students will acquire type manipulation and digital illustration skills through tutorial exercises, demonstrations and practical assignments using Adobe *Illustrator*, the industry-standard vector-based digital illustration program. In the course, distinctions will be made between pixel-based and vector-based technologies.
- Art 200 Elements of Art 3**
Students will be given a practical introduction to the basics of art through creative studio activities involving the elements of art in a variety of media with two and three dimensional projects. Prerequisite: Art 101 or consent of instructor.
- Art 201 Drawing I 3**
Students will explore a variety of subjects such as landscape, still life and natural and man-made objects through a variety of drawing media. Prerequisite: Art 200 or consent of the instructor.
- Art 251 Design 3**
Students learn the elements and principles of design by creating two and three-dimensional works of art. Students also study the art of professional designers who work in the field. Prerequisites: Art 200 and 201.
- Art 260 Typography 3**
This course is a historical overview of type and typographic technologies. Students will be introduced to the formal qualities of different typefaces and they will learn to use type as an expressive communication tool. This is an essential foundation course for anyone who wishes to communicate with the printed word. Prerequisites: Art 172 and 251.
- Art 261 Graphic Design I 3**
This studio art course is an introduction to the study of graphic design. Students are exposed to the history of visual communication, typography and advertising. They also learn how to identify the elements and principles of design by creating two image and text related projects. Prerequisites: Art 251 and 260.

- Art 301 Drawing II 3**
Students will be helped to establish a style and technique emphasizing discipline, craftsmanship and imagination, using a variety of drawing materials. Students will investigate perspective, composition, line and tone control, along with personal point of view. Prerequisites: Art 201 and consent of instructor.
- Art 311 Art History I 3**
This course is a survey of western art from the Prehistoric Period through the Renaissance, employing illustrated lectures, independent research, museum visits and discussion.
- Art 312 Art History II 3**
This course is a survey of western art from the Renaissance through the present employing illustrated lectures, independent research, museum visits and discussion.
- Art 315 The History of Contemporary Art 3**
This course examines the art of the last half of the 20th century and the art of the 21st century. It explores the ideas that became seminal points of interest for contemporary artists during this period. Students in the course will study how art reflects history; how style communicates the concerns of the artist and his/her culture; and how symbols, techniques, materials and subjects are used to convey the issues important to contemporary artists. Prerequisites: Art 311 and 312.
- Art 321 Painting I 3**
Students explore the importance of composition, color and value by painting in oil and other media such as acrylic, watercolor and tempera. An emphasis is placed on studying art history and learning from professional painters who work in the field. The students also explore the techniques of painting in relationship to specific content. Prerequisite: Art 201.
- Art 331 Sculpture I 3**
This course introduces the student to the concepts, materials and methods of sculpture. Creative ideas will be developed in wood, clay, plaster, found objects and cardboard. Principles and use of equipment, material sources and safety factors will be addressed. Prerequisites: Art 200 and 201 or consent of instructor.
- Art 341 Ceramics 3**
This course introduces clay from the process of construction through the completion of a finished piece using the following methods in pinch, coil, slab, wheel and decorative. Prerequisites: Art 101 and 201 or consent of instructor.
- Art 351 Printmaking I 3**
This course provides an introduction to printmaking media. Emphasis is placed on experimentation of the media through techniques such as the monoprint, relief and silkscreen. Prerequisites: Art 200 and 201 or consent of the instructor.
- Art 361 Graphic Design II 3**
In this course students produce intermediate design projects that emphasize aesthetics, the theory of design and the relationship between text and image. Students also learn how to create package design, posters and magazine advertisements. Prerequisite: Art 261.
- Art 380 Secondary Art Curriculum and Methods 3**
Students learn how to create an effective art curriculum for middle and/or high school-aged students. They design art projects that combine art history, cultural aspects about art and the theory of artistic methods and techniques in an engaging manner. Prerequisites: Art 200, 201, 311, 312, 331, 341 and 351 or consent of instructor.

- Art 391 Art in the Schools 3**
This is a practical experience for students who plan to teach art at the secondary level. Students assist an art teacher in a middle or high school setting and integrate what they have learned in Art 480 for the presentation of a variety of art projects in the classroom. Prerequisites: Art 380 and consent of instructor.
- Art 392 Art Gallery/Center Practicum 3**
For this course, students will expand their understanding of art by assisting in an art gallery or center. The experience is designed to equip studio art students with practical skills such as curating exhibitions, working with professional artists, teachers and/or art dealers. Prerequisite: studio art emphasis with senior standing or consent of instructor.
- Art 421 Painting II 3**
Students are encouraged to paint from life in oil paint and other media. They engage in active discussion about historical methods of painting as well as view the work of professional painters. Class critiques enable the students to articulate both the techniques and subject matter they explore in the images they produce for the course. Prerequisite: Art 321.
- Art 431 Sculpture II 3**
Principles, use of equipment and safety factors will be addressed with emphasis on individual development of form and craftsmanship. Creative assignments will be given involving metal, wood and other materials. Prerequisites: Art 331 and consent of instructor.
- Art 451 Printmaking II 3**
Students expand upon their knowledge of certain printing techniques such as the monoprint, collagraph, relief and silkscreen methods. Students are expected to conduct research that combines art history and practical experience to produce prints that are rich in content. Prerequisites: Art 201, 301 and 351.
- Art 461 Graphic Design III 3**
Students develop desktop publishing skills using the program Adobe InDesign. They produce advanced graphic design projects by creating promotional materials such as brochures, multi-page publications, newsletters and product designs. An emphasis is also placed on preparing students to become professional graphic designers in the field. Prerequisite: Art 361.
- Art 471 Video Art 3**
In this studio course, students create relationships between image and sound by using the time-based medium of video. An emphasis is placed on students developing strong concepts for their projects. They learn how to create a storyboard, film and edit video art pieces together using the program Adobe *Premier*. Prerequisites: Art 201, 301 and 331 or consent of instructor.
- Art 488 Children's Art 3**
Students will explore the developmental stages of art in children at different levels. To aid in curriculum development, students will have opportunities to experiment with various art activities to develop skills needed for the effective teaching of art in the elementary school. Prerequisite: Art 101 or consent of instructor.
- Art 491 Public Art 3**
In this course, students study the history of public art through readings and discussion. They expand upon their knowledge of traditional art by learning how to

create installations, performances and other art forms that involve technology. Students also produce site-specific projects that are designed for diverse audiences. Prerequisites: Art 200, 201, 311, 312, 321 and 331 or consent of instructor.

Art 498

Senior Art Seminar

3

Art majors take this course as a means to create a solo exhibition. Students choose particular media to use in order to create a body of work that explores a focused theme. They are also expected to conduct research for the work they produce for the exhibit. Prerequisites: senior standing and consent of instructor.

BEHAVIORAL SCIENCE

BSc 220

Qualitative Research Methods

3

A methodological course instructing students in the skill of participant observation and ethnographic reporting. Students will read a variety of ethnographies, collect primary field data, write descriptions and provide an analysis of a selected community. The class involves a field component.

BSc 265

Statistics for the Behavioral Sciences

3

An introduction to the basic principles of elementary statistics for students intending to do social science and education research involving the use of statistical analyses. Topics include basic descriptive measures; sampling and sample size estimation; hypothesis testing; testing for differences between means, correlation and measures of association; techniques for analyzing categorical data; and summarizing and presenting statistical results. A heavy emphasis will be placed on applications of basic statistical concepts to a wide variety of problems encountered in social, educational and policy-related research. The use of computer packages for assisting in data analysis will be emphasized. Prerequisite: Mth 201, 251 or equivalent.

BSc 296

Introduction to Research Methods

3

An experimental learning situation in which research techniques and methodologies are studied by the developing and carrying out of a research project: selection of research problems, research design, data collection and analysis, statistical computation, hypothesis testing and theory building. Prerequisite: BSc 265.

BSc 301

Topics in the Behavioral Sciences

3

Individual and group study of selected topics that bring together perspectives of anthropology, psychology and sociology. A capstone course for seniors that emphasizes their major in synthesis with other majors in the behavioral sciences. Prerequisites: BSc 220, 265 and 296.

**BSc 411
(Hum 411)**

Goddesses and Heroes

3

An interdisciplinary approach to topics in Behavioral Sciences and Humanities. This course meets the requirements for graduation (Senior Seminar).

BIOLOGY

NOTE: A nominal fee may be charged for required field trips.

- Bio 101 Principles of Biology (Lecture 3, Lab 2) 4**
An introduction to scientific truths of the biological sciences discovered through the hypothetic-deductive approach and their application to life and their limitations for society in such controversial areas as human reproduction, sexually transmitted diseases, human developmental termination, genetics, genetic engineering, evolution and the evolutionary process and the origin of life.
- Bio 111 General Biology I (Lecture 3, Lab 2) 4**
General biology emphasizing evolutionary mechanism, species formation, phylogenies, the origin of life and the principles of evolutionary diversity, plant and animal structure and function of systems.
- Bio 112 General Biology II (Lecture 3, Lab 2) 4**
Continuation of Bio111 covering cellular structure, metabolism process, genetics, DNA function and genome expression, biotechnology and molecular biology in medicine. Prerequisite: Bio 111 or equivalent or consent of division chair.
- Bio 246 Human Anatomy (Lecture 3, Lab 2) 4**
A study of both the gross and microscopic anatomical study of tissues and organ systems of the human body. Laboratory study of histology slides, skeletons and non-human mammals is undertaken. Directed dissections of laboratory specimens are required. Prerequisite: Bio 101 or 112 or consent of division chair.
- Bio 247 Human Physiology (Lecture 3, Lab 2) 4**
A study in the normal and some abnormal functions of the integument, skeletal, muscular, circulatory, respiratory, digestive, urogenital, sensory, nervous and endocrine systems. Laboratory exercises include biomedical instrumentation. Prerequisite: Bio 246 or consent of division chair.
- Bio 308 Genetics (Lecture 3, Lab 2) 4**
Basic principles of heredity including Mendelian, cytogenetics, apopulation theory, gene regulation and an introduction to molecular genetics. Laboratory emphasis on classical laboratory experimentation and molecular techniques. Prerequisites: Bio 111 and 112 or consent of division chair.
- Bio 317 Ecology (Lecture 3, Lab 3) 4**
Emphasis on fundamental ecological concepts introduced in literature and illustrated in field investigations. Two weekend field trips required (Friday afternoon–Sunday) Prerequisites: Bio 111, 112 and Che 221 or Sci 115.
- Bio 341 Plant Biology (Lecture 3, Lab 2) 4**
Introduction to the basic concepts of plant life through a study of the structure, functional form, reproduction, genetics and ecology of: fungi, algae, nonvascular plants and vascular plants. Prerequisites: Bio 101 or 111 and Che 221 or Sci 115.
- Bio 345 Evolutionary Zoology (Lecture 3) 3**
A study in evolutionary principles and methods of evolutionary analysis using primarily the natural history, anatomy and systematics of the animal kingdom: proto-zoans through mammals. Prerequisites: Bio 101, 111, 112, Che 221, 222 or with consent of instructor.
- Bio 350 Molecular and Cellular Biology (Lecture 3, Lab 2) 4**
A study of plant and animal molecular and cellular structure, biochemistry and function. Emphasis will be placed on the molecular level of cells, cellular metab-

olism and the structure and function of the major organelles. The course is designed to precede Bio 351. Prerequisites: Bio 111,112, Che 221, 222 or concurrent enrollment, or consent of division chair.

- Bio 351** **General Microbiology** **(Lecture 2, Lab 4) 4**
Introduction to bacteria (morphology, physiology, ecological and medical importance) and microorganisms (viruses, rickettsia, pathogenic, protozoa, molds and yeasts). Laboratory sessions will emphasize the culture, physiology and identification of the major groups of microbes. Prerequisites: Bio 101 or 111 and Bio 350 and Che 221.
- Bio 360** **Nutrition** **(Lecture 3) 3**
Includes a comprehensive analysis of the principles of nutrition and their relationship to health. Essential nutrients and their functions and sources will be covered as well as digestion, absorption, metabolism and human need during the life cycle. Prerequisites: Bio 101 or 111 and Che 221 or Sci 115.
- Bio 401** **Biology Seminar (Individualized Study)** **(Lecture 2) 2**
In-depth look at specific areas within the biological sciences. Topics covered will vary and may include immunology, virology or molecular biology. Library research using scientific journals required to prepare a major paper and oral presentation. Prerequisite: 16 units of biology. Restricted to juniors and seniors.
- Bio 496** **Research in Biology** **(Lecture 1, Lab 3) 4**
Introduction to research methods and skills in the biological field of study. Library research, biological abstracts and journals, field/laboratory research and statistical analysis will be used with the writing of research papers. Prerequisite: restricted to seniors.

BUSINESS

- Bus 201** **Introduction to Management, Marketing and Information Technology** **3**
Survey of today's American business systems. A study of various types of businesses and the information they gather, store and process. Administration and management of people, facilities and information. Course includes relevant computer experience simulating business situations.
- Bus 251** **Legal Aspects of Business** **3**
A study of law with emphasis on United States' law, including sources, courts, procedures, torts and laws pertaining to the business environment. Examples are law of agency, contracts, product liability, government regulations, business organizations and ethics in American business.
- Bus 321** **Management** **3**
Introduction to management principles in the area of planning, organizing, staffing and controlling with emphasis on responsibility and authority, delegation and decentralization, line-staff relationship organization charting, communication and reaction to change. Additional emphasis on interpersonal skills, motivation, leadership and managing the organization's resources.
- Bus 323** **The Multinational Enterprise** **3**
An overview of world trade and investment patterns. Special emphasis on international trade theory, the world financial environment and the role of multinational corporations. International sourcing, marketing and management for global business. Prerequisite: Bus 201.

Bus 326	New Ventures and Entrepreneurship Explores the methods of business ownership including startup, franchises and firm acquisition. Practical emphasis upon screening initial business ideas, accessing information sources, defining customer benefits, developing strategic posture, analyzing markets and competitors and creating a comprehensive business plan. Theoretical development of new venture establishment enhanced by guest lecturers experienced in startup ventures.	3
Bus 343	Operations This course uses applied quantitative methods to optimize cash flows, reduce material and inventory costs, create efficiencies, enhance quality and mitigate risks in the manufacture, distribution, servicing and retirement of both tangible goods and intangible services. Prerequisite: Bus 201.	3
Bus 411	Leadership This course is an in-depth examination of the portrayal and investigation of leadership through the lens of several academic disciplines. Students will be required to craft a research paper on a topic related to leadership.	3
Bus 424	Human Resource Management A study of how organizations obtain, maintain and retain their human resources. Examination of current organizational theory, research and practice regarding variables that influence human behavior in organizations. Prerequisite: Bus 201.	3
Bus 475	Administrative Policy Capstone course integrating the numerous business management courses. The student uses the case method and computer simulation to conduct external and internal assessment and identify key strategic issues. The student will identify and choose from alternate strategies and defend those choices. The student learns to conduct a strategic analysis and make sound strategic decisions. A strategic project of a real company is required. Prerequisites: senior status or consent of instructor.	3
Bus 483	Business Ethics An ethical evaluation involving ideals, laws and relationships utilized by the business community. Issues include bribery, employer/employee rights, assumption analysis, philosophy, culture of the corporation and product liability. Prerequisite: senior status or consent of instructor.	3

CHEMISTRY

Che 221	Chemistry I Systematic exploration of fundamental chemical principles including matter, energy, electromagnetic radiation, atomic structure, periodicity, stoichiometry, chemical bonding and structure. Introduction to the scientific method and scientific epistemology in the context of the interface between the Christian faith and the chemical sciences. Prerequisite: Mth 251 or consent of division chair.	(Lecture 3, lab 3) 4
Che 222	Chemistry II A continuation of Che 221. The major topics include solubility products, chemical thermodynamics, chemical kinetics, nuclear chemistry and qualitative analysis. Prerequisite: Che 221.	(Lecture 3, Lab 3) 4
Che 321	Organic Chemistry I Fundamental concepts relating to carbon compounds with emphasis on structural nomenclature and theory, nature of bonding, stereochemistry, reaction mechanisms and physical and chemical properties of the principle classes of carbon compounds. Prerequisite: Che 222.	(Lecture 3, Lab 3) 4

- Che 322 Organic Chemistry II (Lecture 3, Lab 3) 4**
A continuation of Che 321 with further reference to aromatic compounds.
Prerequisite: Che 321.
- Che 354 Inorganic Chemistry (Lecture 3, Lab 3) 4**
Systematic exposition of major trends in structure, bonding, reactivity and spectroscopy across the periodic table including main group chemistry, transition metal and coordination chemistry, lanthanide/actinide chemistry, organometallic chemistry, bioinorganic chemistry, solid state chemistry, electron transfer processes and generalized concepts of acidity. Prerequisite: Che 222 or consent of instructor.
- Che 401 Chemical Education for the Secondary Teacher (Lecture 3) 3**
Development of practical, hands-on, cost effective and safe strategies for teaching modern chemical concepts, imparting rigor and standards, and conducting exciting, pedagogically effective chemistry laboratory experiments in the secondary school setting. Meets California K-12 content standards.
- Che 418 Molecular Spectroscopy (Lecture 3, Lab 3) 4**
Advanced exposition of theoretical concepts and experimental aspects of atomic and molecular spectroscopy with an emphasis on electronic absorption, electronic luminescence, Raman and infrared spectroscopies within a group theoretical and symmetry-based conceptual framework. Prerequisite: Che 431; co-requisite: Che 432 or consent of instructor.
- Che 421 Introduction to Biochemistry (Lecture 3, Lab 3) 4**
Introduction to the principles of chemistry that govern life systems. Topics include pH and buffers, enzymes, amino acids, proteins, lipids, carbohydrates, nucleic acids and metabolic pathways. Some laboratory exercises emphasize protein purification and characterization techniques, including kinetic modeling. Prerequisites: Bio 101 or 111 and Che 222.
- Che 424 Analytical Chemistry (Lecture 3, Lab 3) 4**
A continuation of the qualitative analysis determined in Che 222 using the fundamental practices of titrimetric, gravimetric, volumetric and instrumental analysis to determine the quantitative components of a chemical. Prerequisites: Che 222 and 3.0 gpa in chemistry or consent of division chair.
- Che 431 Physical Chemistry I (Lecture 3, Lab 3) 4**
Classical thermodynamics: 0th, 1st, 2nd and 3rd laws, gas laws and kinetic molecular theory of gases, colligative properties, solubilities, equilibria, phases and phase transitions and electrochemistry. Prerequisites: Che 222, Mth 272 and Phy 211; co-requisite: Mth 373 or consent of instructor.
- Che 432 Physical Chemistry II (Lecture 3, Lab 3) 4**
Quantum mechanics, atomic and molecular orbital theory, symmetry, atomic and molecular spectroscopy, statistical thermodynamics and philosophical/scientific implications of quantum mechanics. Prerequisite: Che 431 or consent of instructor.
- Che 496 Research in Chemistry (Lecture 1, Lab 3) 2**
Hands-on introduction to chemical research with emphases on the research process, research skills and research methods. Laboratory research, library research, peer reviewed chemical abstracts and journals, electronic chemical databases, professional journal manuscript style guides and statistical analysis will be used in writing research manuscripts and making research presentations. Prerequisite: 16 units of chemistry courses or consent of instructor.

CHINESE

- Chi 101 Chinese I** 4
 Natural approach to Chinese with an emphasis on developing conversational skills. Reading and writing skills in the simplified Chinese character system will be introduced. Course is for students who have had no Chinese or less than two years of high school Chinese.
- Chi 102 Chinese II** 4
 Continuation of Chinese I. Prerequisite: Chi 101 or two years of high school Chinese. (Fulfills Concordia's foreign language requirement.)

CHRIST COLLEGE

- CCI 001 Seminar in Ministry** .5
 -007 Students are required to register for seminars during the semesters they are not taking a CCI course (103, 203, 303 or 403). Specific seminars will be held for each church work vocation (pre-seminary, DCE, teacher, parish music or special ministries) exploring areas of interest and concerns that pertain specifically to the ministry vocation students are pursuing.
- CCI 103 Introduction to Ministry** 1
 This course explores the different possibilities for full-time professional church work in The Lutheran Church—Missouri Synod. The role of pastors, teachers, directors of Christian education and directors of parish music will be examined in the context of the church-at-large and local congregations. Also, this course will explore the proper distinction, the scriptural understanding, and the application of Law and Gospel to all areas of ministry. Faith development theories will be introduced and compared to the scriptural references to faith and its development.
- CCI 203 Church Polity and Organizational Structure** 1
 This course will explore the history of The Lutheran Church—Missouri Synod and how that history has affected the structure and governance of the church. The polity of the synod in relation to its congregations will be studied so that students will view the structure of synod – including its congregations, circuits, districts and national office – as a system that enables the church to carry out its mission effectively. Types of ministry will also be explored including congregational services, role and function in ministry, team ministry, family ministry and holistic ministry.
- CCI 303 Great Commission Opportunities** 1
 This course explores the opportunities the church has to witness Jesus Christ to all people. Unique ministries will be explored such as urban ministry, church planting, evangelism, and cross cultural mission opportunities. Students will apply Law and Gospel to a variety of experiences on and off campus, sometimes in culturally diverse settings.
- CCI 403 Teaching and Living the Faith** 1
 This course provides students the opportunity to apply Law and Gospel to a variety of experiences including writing Bible studies and evaluating curriculum materials. Students will develop a strategy for properly applying Law and Gospel in classroom management and discipline. This course will also include a component to prepare students for their lives as full-time church work professionals.

The following topics will enhance the personal and professional lives of the future church work professional: developing a family budget; the personal and spiritual life of the called worker; the call process; income tax and social security; retirement and investment planning; and Christian professionalism and ethics. Field work required.

CHRISTIAN EDUCATION

- CEd 201 Introduction to DCE Ministry 3**
Examination of the ministry of the Director of Christian Education (DCE) in the congregations of The Lutheran Church–Missouri Synod. Study of key roles and sub-roles of DCE’s, history of the DCE ministry within the LCMS, the team ministry of pastors and DCE’s and contact with current field DCE models. Prerequisite: sophomore status.
- CEd 202 Parish Program Leadership 3**
Stresses theology and philosophy of Christian education as the foundations of parish programming. Teaches planning, administration and leadership skills important to the development, management and evaluation of parish ministry programs. Prerequisite: CEd 201 or consent of instructor.
- CEd 302 Teaching Strategies and Management 3**
Equips students with a variety of instructional strategies for use in the parish setting. Focuses on planning, managing, delivering and evaluating instruction. Students will practice these competencies through applied experiences (e.g. observing, teaching a Bible class, leading devotions, etc.) in a Lutheran school classroom. Transportation to and from the practicum site is the responsibility of the student. Prerequisite: Educ 301.
- CEd 360 Group Dynamics 3**
A seminar/laboratory approach for the study of group work and the group process as applied to self, the classroom, youth work and society.
- CEd 370 Children’s Ministry 3**
An in-depth study of the church’s ministry with children from birth to twelve years of age. Emphasizes faith development theories; family and intergenerational ministry; teaching techniques related to children’s ministries involving children in the total life of the church; and planning, administering, implementing and evaluating a comprehensive ministry to children. A fieldwork component is required.
- CEd 380 Youth Ministry 3**
A course which provides students basic foundations of parish youth ministry and an opportunity to better understand the current youth culture. Supplies a variety of organizational models and an opportunity to develop programming skills needed for successful parish youth ministry.
- CEd 401 DCE Ministry Seminar/Field Work I 3**
An on-site involvement with a DCE serving a congregation to acquire experience and skills related to DCE ministry. Evaluation of practicum experiences and presentation of current DCE ministry trends, resources and philosophies. Prerequisite: full acceptance into DCE program; CEd 201, 202 and 380 are suggested.
- CEd 402 DCE Ministry Seminar/Field Work II 3**
Continuation of CEd 401.

- CEd 460 Adult Education in the Parish 3**
 Adult learning theory, faith development and discussion of andragogy as it relates to the planning of effective adult education programs in a local congregation will be presented.
- CEd 470 Family Ministry 3**
 An advanced course in the Christian education field with a focus on family ministry structures. Review of current conceptual models along with practical guidelines for developing family ministry programs within a congregational setting will be addressed.

COMMUNICATION

- Com 111 Public Speaking 3**
 Principles and practice of effective oral communication; analysis of the speaking-listening process; includes informative, persuasive and impromptu speaking experiences.
- Com 216 Interpersonal Communication 3**
 Analysis of person-to-person communicative behavior in contexts ranging from informal to organizational; classroom experiences with topics such as attraction, trust, language and nonverbal behavior.
- Com 222 Theory and Practice of Journalism 3**
 Extensive news gathering, writing and editing; experiences include general, simple, complex and special story types.
- Com 311 Advanced Public Speaking 3**
 Advanced work in speech communication research, preparation and delivery. Some media enhancement required. Oral presentations will include expository, extemporaneous, impromptu and persuasive speeches. Great speeches viewed and analyzed. Prerequisite: Com 111 or consent of instructor.
- Com 321 Mass Communication 3**
 Analysis of the forms, content, environments and strategies of the mass media; emphasis on an historical and critical understanding of media structures, functions and effects.
- Com 324 Intercultural Communication 3**
 Social and cultural variables in speech communication processes; strategies for resolving communication problems in intercultural settings with an emphasis on variables such as perception, roles, language codes and nonverbal communication.
- Com 328 Small Group Communication 3**
 Group process theories relevant to communicative behavior in small group settings; analysis of critical thinking and problem-solving techniques in various group discussion settings.
- Com 335 Nonverbal Communication 3**
 Theory and research on nonverbal aspects of communication with emphasis on developing effective communication skills as they relate to physical appearance and dress, body movement, face and eye communication, vocal cues and the use of environment and space.

Com 344	Theory and Practice of Interviewing	3
	Theory and techniques of oral communication in the process of interviewing. Practical application in employment, information gathering and persuasive interviews.	
Com 391	Newspaper Practicum	1-3
Com 392	Radio Practicum	1-3
Com 393	Yearbook Practicum	1-3
Com 394	Forensics Practicum	1-3
Com 412	Writing for the Broadcast Media	3
	Script writing for radio, television and film; projects include announcements, commercials, news, features, documentaries, comedy, game and music shows.	
Com 422	Studies in Public Relations	3
	Public relations elements and principles applied to business and congregational settings including production and/or analysis of press releases, press kits, advertisements, brochures, newsletters and the public relations audit.	
Com 451	Organizational Communication	3
	Role of communication in achieving organizational goals; theory and practice of communication in private and public organizations; techniques to enhance understanding in organizations.	
Com 480	Theories of Human Communication	3
	Social scientific inquiry into human communication; a multi-theoretical approach, including systems, symbolic interaction and critical perspective. Prerequisite: junior-level standing.	
Com 485	Communication Criticism	3
	Analysis and criticism of public communication events from a variety of rhetorical perspectives. Prerequisite: junior-level standing.	

ECONOMICS

Eco 201	Macroeconomics	3
	A survey of the scope and methods of the study of economics; the principles underlying the production, exchange, distribution and consumption of wealth; and various economic problems. The systematic investigation of the market structure of American capitalism, encompassing the production and distribution of income, welfare economics and current domestic problems.	
Eco 202	Microeconomics	3
	An introduction to specific aspects of the economy such as households, firms and markets. The investigation of supply and demand in the product market, the perfectly competitive market, monopoly and imperfect competition and the role of government in private economy. Attention will be given to economic challenges of the future.	

EDUCATION

- Edu 248 Principles/Curriculum of Early Childhood Education 3**
 Early childhood programs offer a variety of philosophies and activities to meet the physical, social, emotional and spiritual needs of young children. Elements of curriculum planning and approaches such as an emergent curriculum and constructivist classrooms will be explored and contrasted.
- Edu 411 Interdisciplinary Liberal Studies 2**
 This is the capstone course for the Liberal Studies Major. Students will investigate key ideas from the California Academic Content Standards and the California Frameworks. Students will research and develop a theme that integrates the subject matter areas. In this project they will explore how the conceptual foundations of each discipline are related to each other. Students will synthesize their findings into a professional paper and presentation.
- Edu 435 Linguistic Development and Second Language Acquisition 3**
 Overview of child language development and second language acquisition for language minority students. Methods and materials that enhance primary language and second language acquisition are presented, studied and developed.
- Edu 466 Helping Children Cope with Violence 3**
 Children today are impacted by the reality of violence in aspects of their daily lives or by the subjective fear of impending dangers. Developmental consequences and strategies to cope with man-made and natural disasters will be explored. Books, toys, music and media to foster communication and positive resolutions will be identified.
- Edu 467 Emergent Literacy 3**
 Examines the development of literacy skills in young children, ages 0-8. Topics include the reading/writing connection, use of trade books and thematic literature and current research in the field of literacy development.
- Edu 468 Observation/Assessment of Young Children 3**
 Examines strategies and tools for appropriate assessment of development in young children, ages 0-8. Focuses on the teacher's role in guiding and supporting the development of behavior and social skills in young children. Current research will be emphasized and formal and informal assessment tools will be examined.
- Edu 485 Technology in the Classroom 3**
 An exploration of the use of computers in the classroom. Emphasis placed on drill and practice remediation, enrichment and motivation, simulation and problem-solving software and techniques. Students will gain experience in using and evaluating a variety of hardware and software. Prerequisite: Enrolled in English SSMP major.
- Educ 101 Introduction to Teaching Careers I 1**
 This course is an introduction to the field of education and the professional career of the teacher. Topics that will be discussed in this course include: characteristics of today's learners; characteristics of effective teachers and schools; California teacher credentialing procedures; and Concordia University's teacher education program. Fifteen hours of community service in a school or other educational organization serving children are required.

- Educ 201 Introduction to Teaching Careers II 1**
This course focuses on a broad picture of teaching through an emphasis on the California Standards for the Teaching Profession and the corresponding Teacher Performance Expectations. Through course activities the students will develop awareness of the CSTP's and what to look for to see evidence of these standards in his/her assigned field experience. Minimum of 15 hours of field work is required in a university assigned placement. Minimum grade of B- required for the Liberal Studies Program and admission into Teacher Education Program
- Educ 301 Psychology and Development of Diverse Learners 3**
Students explore and learn the major concepts, principles, theories and research related to the cognitive, social, emotional, physical and moral development of children and adolescents. They also learn the major concepts, principles and research associated with human learning, achievement, motivation, conduct and attitude.
- Educ 401 Instructional Planning and Assessment 3**
Students will learn a variety of approaches to planning, managing, delivering and assessing instruction. They will draw on social, cultural and historical foundations, as well as learning theory as they design, assess and differentiate instruction for all students. Prerequisites: Admission to the Teacher Education Program; Educ 301 or concurrent enrollment.
- Educ 402 Creating a Positive Learning Environment 3**
This course will provide students preparing to teach in today's schools with an understanding of how personal, family, school, community and environmental factors are related to students' academic, physical, emotional and social well-being. The effects of student health and safety on learning will be addressed. Candidates will learn skills for communicating and working with families. They will learn their professional and legal responsibilities as teachers in California schools. Prerequisites: Admission to the Teacher Education Program; Educ 301 or concurrent enrollment.
- Educ 422 Math and Science Methods 2**
Students will learn approaches to planning, managing, delivering and assessing instruction in science and mathematics. Students will draw on social, cultural and historical foundations and learning theory as they plan instruction. Pre-requisites: admission to the Teacher Education Program, Educ 401; CSET verification.
- Educ 423 Integrated Curriculum Methods: Elementary 2**
Students will learn approaches to planning, managing, delivering and assessing instruction in history, arts and physical education. Students will draw on social, cultural and historical foundations and learning theory as they plan instruction. Prerequisites: admission to the Teacher Education Program, Educ 401; CSET verification.
- Educ 424 Secondary Curriculum and Methods 4**
Provides students preparing to teach in secondary schools with understanding of the secondary school curriculum. Students will examine recent research, use the California Frameworks and K-12 Content Standards to explore their subject areas and evaluate curriculum materials. Emphasis is given to preparing lesson plans that meet the diverse needs of students. Prerequisites: admission to the Teacher Education Program, Educ 401; CSET verification.

- Educ 451 Language and Culture 3**
 This course focuses on the impact of linguistic, cultural, socio-economic status, religion and gender diversity on the education of elementary and secondary school students. It will also address the socio-political nature of education and the challenging issue surrounding multicultural education in our schools today. Bilingual education and curricular implications will be discussed, as well as the history of other cultural groups in the United States. Prerequisites: admission to the Teacher Education Program; Educ 301 or concurrent enrollment; passage of Edu 435.
- Educ 460 Reading/Language Development in Diverse Elementary Classrooms 4**
 This course focuses on preparing the elementary school teacher to instruct reading and language arts in diverse classrooms. It follows the guidelines set forth by the CCTC and the California Language Arts Frameworks and Standards. Prerequisites: admission to the Teacher Education Program, Educ 401; CSET verification.
- Educ 470 Content Area Reading in Middle and Secondary Classrooms 4**
 Examines theory and practice in reading instruction as applied to the content areas of middle and secondary schools. Emphasizes development of reading techniques ranging from assessment of individual skills to selection of appropriate materials and strategies for instruction in subject areas for diverse classrooms. The guidelines set forth by the CCTC and the California Language Arts Frameworks and Standards serve as the basis for this course. Prerequisites: admission to the Teacher Education Program, Educ 401; CSET verification.
- Educ 480 Student Teaching I – TPA Practicum: Elementary/Multiple Subject 1**
 This course consists of thirty (30) hours of field experience and class seminars to prepare students to teach in elementary schools. Students will develop an understanding of instructional planning and delivery and how to meet the needs of diverse learners. Through the activities of this course, students will complete Teacher Performance Task 1 and Task 2. Prerequisites: completion of or concurrent enrollment in Educ 422, 423 and 460; CSET verification.
- Educ 481 Student Teaching I – TPA Practicum: Secondary/Single Subject 1**
 This course consists of thirty (30) hours of field experience and class seminars to prepare students to teach in secondary schools. Students will develop an understanding of 7-12 curriculum, strategies to teach reading and how to meet the needs of diverse learners. Through the activities of this course, students will complete Teacher Performance Task 1 and Task 2. Prerequisites: completion of or concurrent enrollment in Educ 424 and 470; CSET verification.
- Educ 901 Student Teaching II 12**
 Student teaching is a full semester, all day teaching experience at a qualified school site under the supervision of a cooperating teacher and university supervisor. Teaching strategies and classroom management are practiced at grade levels and in subject matter that represent the student teacher's career choice. Prerequisites: completion of all program courses; acceptance into Student Teaching Program; application submission prior to deadline; passing scores on the CSET examination or completion of a state-approved Single Subject Matter Preparation Program.

ENGLISH

- Eng 102 Writing and Research 3**
Students will practice research methods and a variety of writing strategies such as narration, description, exposition and argumentation. Through research, reading, writing and writer workshops, students will develop as critical thinkers, readers and writers.
- Eng 201 Themes in Literature 3**
An introduction to various literary themes and several critical approaches. Focus on verbal and written interpretation and personal application of the following literary themes: innocence and experience; conformity and rebellion; love and hate; and the presence of death.
- Eng 341 American Literature I 3**
A survey of American literature from its beginning to 1850. Includes journals, diaries, sermons and pamphlets. Emphasis on the writings of Irving, Hawthorne, Poe and Melville. Prerequisite: Eng 201.
- Eng 342 American Literature II 3**
A survey of American literature from 1850 to 1945. Literary movements such as Realism, Naturalism, as well as the roots of modern American literature emphasized. Prerequisite: Eng 201.
- Eng 361 English Literature I 3**
A survey of representative English prose, poetry and drama from the Anglo-Saxon period to 1800. Readings from such writers as the Beowulf poet, Chaucer, Shakespeare, Donne, Swift, Pope and Johnson acquaint students with the literary heritage of the English-speaking world. Prerequisite: Eng 201.
- Eng 362 English Literature II 3**
A survey of British literature from the late 18th century through the 19th century. The student will consider the Romantic and Victorian approaches to life through the study and critical discussion of such writers as Blake, Wordsworth, Coleridge, Mary Shelley, Keats, Tennyson, Elizabeth Barrett Browning and Robert Browning. Prerequisite: Eng 201.
- Eng 371 Literary Criticism 3**
Discussion and analysis of selected literary texts from various critical approaches including traditional, formalist, psychological, mythological, archetypal and exponential. Prerequisite: Eng 201.
- Eng 380 Women's Literature 3**
An intensive study of literature written by women, emphasizing representations of gender in different cultural and aesthetic contexts and exploring the unique contributions and genres particular to women's writing. Prerequisite: Eng 201.
- Eng 381 World Literature 3**
A study of world masterpieces, especially selected works of Homer, Sophocles, Virgil, Dante and Cervantes. Prerequisite: Eng 201.
- Eng 382 Post-Colonial Literature 3**
Analysis of representative novels of such post-colonial cultures as Nigeria, India, Colombia, Mexico, Egypt and South Africa. An emphasis on the comparison of these worldviews with the worldview of the West. Prerequisite: Eng 201.
- Eng 383 Modern Poetry 3**
A critical analytical survey of both Western and non-Western poetry of the 20th century. Prerequisite: Eng 201.

Eng 385	Modern Novel	3
	Famous and representative novels by continental, English, American, Asian and Latin American authors of the late 19th and 20th centuries. Prerequisite: Eng 201.	
Eng 387	Modern and Contemporary Drama	3
	Reading, critical analysis, discussion and evaluation of selected plays from 1890 through the 21st century. Dramatists include Ibsen, O'Neill, Pirandello, Lorca, Miller, Williams and Albee. Attending a performance may be required. Prerequisite: Eng 201.	
Eng 389	Film as Literature	3
	An intensive study of films and screenplays as literature, emphasizing the elements unique to the genre within the context of the modern literary world. Prerequisite: Eng 201.	
Eng 391	Children's Literature	3
	Survey of the history of children's literature, examination of a wide variety of children's books and related media and strategies for use in the preschool and elementary classroom. Prerequisite: Eng 201.	
Eng 441	Major American Writers	3
	Extensive reading and in-depth study of one or more significant American authors with special attention to their themes, literary techniques and traditions. Prerequisites: Eng 201 and Eng 341 or 342 or consent of instructor.	
Eng 451	Senior Seminar in English	3
	An intensive examination of a literary topic or writer with attention to intellectual and literary milieu through which students refine techniques of literary research and scholarship. Prerequisite: Eng 201.	
Eng 461	Major English Writers	3
	Extensive reading and in-depth study of significant longer works by several English authors with special attention to their themes and literary techniques. Prerequisites: Eng 201 and Eng 361 or 362 or consent of instructor.	
Eng 466	Shakespeare	3
	Critical reading and analysis of selected examples of Shakespeare's histories, comedies and tragedies. Prerequisite: Eng 201.	
Eng 477	History and Development of the English Language	3
	A brief overview of the history of English and an examination of the development of the language through a study of its linguistic elements, especially as they are incorporated in the "traditional grammar" of American schools. Prerequisite: Eng 201.	

EXERCISE AND SPORT SCIENCE

ESS 101	Education for Healthful Living	2
	Students explore the values and benefits that derive from the maintenance of a physically active life style and its contribution to the physical and mental well-being of the individual. The course includes instruction and laboratory experiences in physical fitness.	
ESS 110	CPR/First Aid	1
	Theory and practice for prevention and care of accidents and sudden illness. Covers the requirements for Red Cross Standard First Aid and CPR certification. Nominal fee.	

All activity courses examine techniques, rules and strategies, and develop skills.

ESS 111	Tennis	.5
ESS 112	Volleyball*	.5
ESS 114	Badminton	.5
ESS 116	Basketball*	.5
ESS 119	Bowling (<i>Nominal fee</i>)	.5
ESS 120	Baseball**	.5
ESS 121	Softball**	.5
ESS 123	Cross Country**	.5
ESS 124	Track**	.5
ESS 126	Aerobics	.5
ESS 128	Beginning Tae Kwon Do (<i>Nominal fee</i>)	.5
ESS 130	Dance (<i>Nominal fee</i>)	.5
ESS 138	Intermediate Tae Kwon Do (<i>Nominal fee</i>)	.5
ESS 140	Golf*	.5
ESS 141	Scuba*	.5
ESS 142	Beach Volleyball	.5
ESS 143	Open Water Paddling (Canoe and Kayak)*	.5
ESS 144	Rock Climbing*	.5
ESS 145	Fitness Walking	.5

**offered also as varsity sport*

***offered ONLY as varsity sport*

ESS 199	Individualized Physical Education	.5
	Physical education activity specially tailored to the needs and abilities of students who cannot participate in regularly-scheduled physical education classes because of physical condition, age or unavoidable schedule conflicts. <i>Students must be approved by and make arrangements with the Chair of the Exercise and Sport Science Division before registering for this class.</i>	
ESS 225	Principles of Weight Training and Cross Training	3
	A theory to practice approach to strength training and aerobic cross training methods. Students learn how to test, design and implement strength training and aerobic cross training programs for sport and fitness. This class is only for ESS majors. Non-ESS majors must have consent of the division chair.	
ESS 238	Observational Clinical Coursework I	1
	A non-classroom experiential course where the student will be introduced to the principles of athletic training and the practical aspects of daily athletic training room activity. This course is to correspond with the first semester of the observation phase of the Athletic Training Program and will require 50 lab hours for the clinical component on and off campus. A lab fee may be required. Prerequisite: consent of director of athletic training.	

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- ESS 239 Observational Clinical Coursework II 1**
A non-classroom experiential course where the student will be introduced to the principles of athletic training and the practical aspects of daily athletic training room activity. This course is to correspond with the second semester of the observation phase of the Athletic Training Program and will require 50 lab hours for the clinical component on and off campus. A lab fee may be required. Prerequisites: ESS 238 and consent of director of athletic training.
- ESS 303 Health 3**
Students will learn how to incorporate concepts of maintaining balance in the physical, emotional, social, intellectual and spiritual components of life. Students will also investigate health promotion and health education programs as well as examine various health science occupations.
- ESS 304 Motor Learning and Development 3**
Overview of significant factors which influence and determine the learning of motor skills. Basic principles of learning theory, transfer, cues, coding, practice, reminiscence, perception, motivation, reinforcement, extinction and similar concepts are applied to motor performance.
- ESS 308 Care and Prevention of Athletic Injuries 3**
The theory and practice of the principles and techniques pertaining to prevention and treatment of athletic injuries. Techniques of preventative athletic taping and strapping are also incorporated with the lecture as a laboratory component. A lab fee may be required. Prerequisite: Bio 246 or concurrent enrollment.
- ESS 310 General Medicine and Pharmacology 2**
Incorporates the knowledge, skills and values that entry-level certified athletic trainers or similar health professionals must possess to recognize, treat and refer, when appropriate, general medical conditions and disabilities. This course also provides the skills and knowledge of pharmacologic applications for athletes and others involved in physical activity. Prerequisites: Bio 246, 247 and ESS 308 or consent of division chair.
- ESS 320 Historical, Social and Cultural Foundations 3**
Historical, sociological and philosophical analyses of sport and physical education are presented and discussed. Additional topics on current challenges, relevant issues, controversies and career opportunities in sport and physical education are discussed.
- ESS 322 Organization and Management of Sport 3**
Emphasis on special problems of staffing, finance, program organization, purchasing, public relations and management in the individual areas.
- ESS 323 Sport Marketing and Sponsorship 3**
A study of the multidimensional field of sport marketing and sponsorship. Includes a survey of current research in sport marketing, theories unique to sport marketing, strategies for sport marketing in profit and non-profit venues. Additional emphasis will be focused on the growing area of sport sponsorship.
- ESS 325 Advanced Personal Training 3**
National Council of Strength and Fitness approved course for those who want Advanced Personal Training certification. Topics include functional anatomy, health and fitness screening and assessment, cardiovascular assessment and prescription, strength and power assessment and prescription, nutrition, and weight management. Prerequisites: ESS 225 or consent of division chair.

- ESS 338 Beginning Clinical Coursework I 1**
This is a non-classroom experiential course with education and teaching being of a practical nature. This course will introduce principles of athletic training and require a significant amount of time to be spent in the every day aspects of athletic training room activity on and off campus. This course is designed to correspond with the first semester of the first year in the professional phase of the Athletic Training Program and will require a minimum of 100 hours for the clinical component. A lab fee may be required. Prerequisites: ESS 238, 239 and acceptance into the Athletic Training Program.
- ESS 339 Beginning Clinical Coursework II 1**
A non-classroom experiential course with education and teaching being of a practical nature. This course will introduce principles of athletic training and require a significant amount of time to be spent in the every day aspects of athletic training room activity on and off campus. This course is designed to correspond with the second semester of the first year in the professional phase of the Athletic Training Program and will require a minimum of 100 hours for the clinical component. A lab fee may be required. Prerequisites: ESS 338 and consent of instructor.
- ESS 340 Elementary Physical Education 3**
An instructional strategies class that introduces students to movement and fitness education for children. The topics covered include analysis of the development and use of games, as well as the use of music to aid in children's motor development. The course also includes an integration of principles of motor learning, motor development and physiology of movement.
- ESS 348 Recognizing and Evaluating Athletic Injuries I 3**
A theoretical and practical approach to injury assessment for the upper body. The systematic evaluation format, as governed by the NATA, is utilized with the emphasis placed on the evaluation of the head/face, cervical/thoracic spine, shoulder, elbow, forearm, wrist, hand and abdominal viscera. A laboratory component is also incorporated into the lecture series Prerequisites: Bio 246, 247, ESS 308 or consent of division chair.
- ESS 349 Recognizing and Evaluating Athletic Injuries II 3**
A theoretical and practical approach to injury assessment for the lower body. The systematic evaluation format, as governed by the NATA, is utilized with emphasis placed on the evaluation of the lumbar spine, hip, thigh, knee, lower leg, ankle, foot and gait analysis. A laboratory component is also incorporated into the lecture series. Prerequisite: ESS 349 or consent of division chair
- ESS 350 Sport Law 3**
An examination of the legal issues in sport and physical education. Provides an explanation of key areas of the law such as negligence, contracts, civil rights, battery and defamation.
- ESS 355 Individual Activities 3**
Sports and individual activities commonly taught in physical education are analyzed. Theory and laboratory experience are designed to acquaint students with teaching progression, practice techniques, selection and care of equipment, history, rules and strategy for these activities. Prerequisite: ESS 376 or consent of division chair.

- ESS 357 Team Activities 3**
Sports and team activities commonly taught in physical education are analyzed. Theory and laboratory experiences are designed to acquaint students with teaching progression, practice techniques, selection and care of equipment, history, rules and strategy for these activities. Prerequisite: ESS 376 or consent of division chair.
- ESS 358 Therapeutic Exercise 3**
A theoretical and practical approach to therapeutic exercise and rehabilitation techniques for the injured athlete or those who engage in physical activity. A laboratory component is also incorporated into the lecture series. Prerequisites: Bio 246, 247, ESS 308 or consent of division chair.
- ESS 360 Principles of Coaching 3**
An analysis of the factors in coaching such as motivation, attitude formation and behavior; leadership and techniques of coaching. Purchase of ACEP material and certification is part of course.
- ESS 365 Sport Psychology 3**
Role of psychomotor and cognitive factors in human movement settings are discussed. Selected topics may include: arousal, attribution theory, achievement motivation, anxiety, interventions, goal setting, attention styles, aggression, social facilitation, social reinforcement and imagery.
- ESS 368 Therapeutic Modalities 3**
A theoretical and practical approach for therapeutic modalities in exercise and rehabilitation are discussed and explored. A laboratory component is also incorporated into the lecture series. Prerequisites: Bio 246, 247, ESS 308 or consent of division chair.
- ESS 370 Adaptive and Corrective Physical Education 3**
An analysis and examination of how physical education, sport and physical activities can be adapted to meet students' special and unique needs. Included will be an analysis stage of motor and intellectual development, appropriate skill progressions and an examination of various diseases and genetic conditions that lead to adaptation needs.
- ESS 376 Physical Education Management 3**
An evaluation of how to develop physical education lesson plans and curriculums, with emphases on how to develop physical education course work and progressions. Included are practical tips for creating effective teaching environments and teaching developmentally appropriate skills and activities.
- ESS 388 Intermediate Clinical Coursework I 1**
A non-classroom experiential course with education and teaching being of a practical nature. This practical course will introduce principles of athletic training and require a significant amount of time to be spent in the practical aspects of daily athletic training room activity on and off campus. This course is designed to correspond with the first semester of the second year in the professional phase of the Athletic Training Program and will require a minimum of 250 hours for the clinical component at an off-campus equipment intensive affiliate site. A lab fee may be required. Prerequisites: ESS 338, 339 and consent of director of athletic training.
- ESS 389 Intermediate Clinical Coursework II 1**
A non-classroom experiential course with education and teaching being of a practical nature. This practical course will introduce principles of athletic training and require a significant amount of time to be spent in the practical aspects of daily ath-

letic training room activity on and off campus. This course is designed to correspond with the second semester of the second year in the professional phase of the Athletic Training Program and will require a minimum of 150 hours for the clinical component at a number of general medicine affiliate sites. A lab fee may be required. Prerequisites: ESS 310 and 388 or concurrent enrollment in ESS 310 and consent of director of athletic training.

ESS 391	ESS Practicum: Sport Management	3
ESS 392	ESS Practicum: Teacher Education	3
ESS 393	ESS Practicum: Exercise Science	3
ESS 394	ESS Practicum: Coaching	3
ESS 406	Physiology of Exercise Application of physiological principles to the study of human performance in exercise. Prerequisite: Bio 247.	3
ESS 407	Kinesiology A study of human movement with emphasis on the biomechanics, structure and function of the skeletal, muscular and nervous systems. Prerequisite: Bio 247.	3
ESS 408	Advanced Athletic Training Survey of the theory and practice of advanced principles and techniques pertaining to prevention and treatment of athletic injuries. Advanced techniques of preventative taping and strapping are also incorporated with the lecture as a laboratory component. A lab fee may be required. Prerequisites: Bio 246, 247 and ESS 308 or consent of division chair.	3
ESS 410	Measurement and Evaluation of Exercise Development, evaluation and administration of tests in exercise science are explored through lecture and practical settings. Basic statistical analyses and their application in interpreting tests and measurements are included.	3
ESS 411 (FnA 411)	Interdisciplinary Seminar: The Art of Play An interdisciplinary examination of the relationships between the fine arts and sport movement and activity. Topics include psychological aspects of both artistic and athletic performance, including performance anxiety; artistic representations of sport, play and movement in literature, drama and visual art; and the relationship of athletics and the arts in high culture and popular culture.	3
ESS 428	Athletic Training Administration This course incorporates the professional administrative and management components of operating an athletic training room. Human resource management, financial resource management, information management, facility design and planning, athletic insurance and legal/ethical practice are topics investigated.	3
ESS 438	Advanced Clinical Coursework I A non-classroom experiential course with education and teaching being of a practical nature. This practical course will introduce principles of athletic training and require a significant amount of time to be spent in the practical aspects of daily athletic training room activity on and off campus. This course is designed to correspond with the first semester of the third year of the professional phase of the Athletic Training Program and will require a minimum of 175 hours focused on team activities for the clinical component. A lab fee may be required. Prerequisites: ESS 388, 389 and consent of director of athletic training.	1

ESS 439 Advanced Clinical Coursework II 1

A non-classroom experiential course with education and teaching being of a practical nature. This practical course will introduce principles of athletic training and require a significant amount of time to be spent in the practical aspects of daily athletic training room activity on and off campus. This course is designed to correspond with the second semester of the third year of the professional phase of the Athletic Training Program and will require a minimum of 175 hours focused on team activities for the clinical component and completion of the capstone project for program completion. A lab fee may be required. Prerequisites: ESS 438 and consent of director of athletic training.

ESS 490 Sport Management Internship 3

FINANCE

Fin 331 Finance 3

Introduction to principles and practices of managerial finance. Sources and methods of raising capital, cash flow analysis, financial statement analysis, financial markets and stockholder equity concerns. Additional concepts include decision making with risk and use of operating and financial leverage. Prerequisite: Act 212.

Fin 333 Investments 3

Building upon Bus 331, this course helps students learn more about the strategic deployment of equities, debt instruments, derivative instruments and diversification with appropriate levels of risk, time horizon, collateralization and active investment portfolio management. Prerequisite: Fin 331.

Fin 334 Entrepreneurial Finance 3

New ventures, and those positioning themselves for growth and acquisition, face financial challenges different in scope and magnitude from those addressed in traditional finance courses. This course focuses on financial theory and application for the New Ventures, Corporate Spinouts, and venture capital assisted growth organizations. Prerequisite: Bus 331 or Bus 326.

Fin 335 Property 3

Students will learn methods for analysis, acquisition, development, operation, financing, selling and other investment strategies applied to residential, commercial and institutional properties. Prerequisite: Act 211.

Fin 436 Financial Institutions 3

Analysis of domestic and international financial institutions, including pension funds, investment banks, commercial banks, thrifts, the private equity markets, and the Federal Reserve/Central Bank systems of the United States and other countries. Prerequisite: Eco 201 or Eco 202.

FINE ARTS

FnA 411 Interdisciplinary Seminar: The Art of Play 3

(ESS 411) An interdisciplinary examination of the relationships between the fine arts and sport, movement and activity. Topics include psychological aspects of both artistic and athletic performance, including performance anxiety; artistic representations of sport, play and movement in literature, drama and visual art; and the relationship of athletics and the arts in high culture and popular culture. Field trips included (with a possible additional charge).

GEOGRAPHY

- Geo 201 World Geography** 3
Introduction to world regional geography by means of examining cultural and economic adaptations to environmental characteristics. Emphasis placed on the essential features of the spatial organization of cultures in the world's regions.

GERMAN

- Ger 101 German I** 4
Natural approach to German with an emphasis on developing conversational skills. Reading and writing skills also introduced. Course is for students who have had no German or less than two years of high school German.
- Ger 102 German II** 4
Continuation of German I. Prerequisite: Ger 101 or two years of high school German. (Fulfills Concordia's foreign language requirement.)

GREEK

- Gre 101 Greek I** 5
A study of the fundamentals of the ancient Greek language. Morphology, syntax and vocabulary for reading simple passages of Greek prose.
- Gre 102 Greek II** 4
A continuation of Greek 101. Prerequisite: Gre 101 or equivalent with a grade of C- or better.
- Gre 210 Readings in the Gospels and Acts** 3
This class is designed primarily for the student who needs to review and strengthen the Greek acquired in an introductory class. Readings from selected portions of the Gospels and Acts with special emphasis on a review of basic vocabulary, grammar and syntax. Prerequisite: Gre 101 and 102 or equivalent with a grade of C- or better.
- Gre 225 Readings from the Pericopes** 1
Following the liturgical readings of the church year, this class is designed primarily for those who wish to maintain an ability to work with the text in its original language through the weekly study of the pericopes for the following Sunday.
- Gre 310 Readings in the Pauline Epistles** 3
This class is designed to strengthen the student's ability to employ Greek as a means to understand the New Testament. Advanced reading from selected portions of Paul's letters with emphasis on vocabulary and syntactical analysis. Prerequisite: Gre 210 or consent of the instructor.

HEBREW

- Heb 101 Hebrew I** 5
A study of the fundamentals of the Hebrew language.
- Heb 102 Hebrew II** 4
A continuation of Heb 101. Prerequisite: Heb 101 or equivalent with a grade of C- or better.
- Heb 201 Readings in the Hebrew Bible** 3
Reading of selected portions of the Hebrew text of the Old Testament with special emphasis on building translation skills through a review of morphology and syntax as well as acquisition of new vocabulary. Prerequisites: Hebrew 101 and 102.
- Heb 225 Readings from the Pericopes** 1
Following the liturgical readings of the church year, this class is designed primarily for those who wish to maintain an ability to work with the text in its original language through weekly study of the pericope for the following Sunday.

HISTORY

- Hst 201 Western Civilization I: Beginning to 1648** 3
The emergence of the major political, cultural, social and economic developments of the Western world from the earliest times, through the 17th century. Includes the Ancient, Medieval and Early Modern periods.
- Hst 202 Western Civilization II: 1500 to the present** 3
The emergence of the modern Western world from the early modern period to the present. Includes major political, cultural, intellectual, social and economic developments.
- Hst 226 United States History I** 3
Early America including its political, economic, social and cultural development. Phases include colonization, independence, early nationhood and sectional strife culminating in the Civil War.
- Hst 228 United States History II** 3
The political, economic, social and cultural development of the United States after the Civil War. Phases include reconstruction, economic expansion, imperialism, reforms, two world wars, prosperity, depression and contemporary tensions.
- Hst 265 Ethnic History and Issues** 3
A comprehensive introduction to the factors—historical, social and cultural—that have produced the major regional subcultures known as African-American, Asian-American and Hispanic-American. Students will especially be immersed in the historical foundations of these ethnic groups as they have become assimilated or maintained their ethnicity in American macro-society. Emphasis will also be focused on the contemporary issues that face these ethnic subcultures.
- Hst 301 Eastern Civilization** 3
A survey of the major themes of the political and cultural history of the Eastern world from its origins until modern times. This course focuses especially upon the Chinese and Japanese cultural traditions with some attention to other Asian motifs. Emphasis will be on an understanding and appreciation of the Eastern worldview and ethos.

- Hst 332 Ancient Greece and Rome 3**
The history of ancient Greece and Rome from the time of Homer to the fall of the Roman Empire. Particular emphasis on Greek and Roman politics, socio-economic life and structures, classical culture and philosophy, and the rise of Christianity. Prerequisite: Hst 201.
- Hst 334 Medieval History 3**
The emergence of Europe from the early Middle Ages to the Italian Renaissance. Topics include the feudal society, the Christian church, cities and commerce, art and learning, and the rise of kings and nation states. Attention will be given to Europe's Greek and Roman legacy, as transmitted by the Byzantine and Islamic civilizations. Prerequisite: Hst 201.
- Hst 335 British Parliament 3**
(Pol 335) The historical evolution, structure and worldwide impact of British politics and the parliamentary system from the 17th century to the present. Prerequisite: Hst 201.
- Hst 336 The Renaissance and the Reformation 3**
Europe from the 14th to the 17th century, the transitional period between medieval and modern history. Phases include the Italian Renaissance, the Northern Renaissance, the Lutheran Reformation, the Calvinist and Anglican Reformations and the Roman Catholic Counter Reformation. Prerequisite: Hst 201.
- Hst 338 Modern European History 3**
A course which integrates the various political, social, economic and cultural phases of Europe's history from the 18th century to the present. Topics include the French Revolution; industrialization; imperialism; the unification of Italy and Germany; the major scientific, literary and artistic developments; Communism and Fascism; the two world wars; and the Cold War. Prerequisite: Hst 201.
- Hst 351 Latin American Civilization 3**
A survey of the major forces and institutions that have shaped Latin America. An analysis of pre-Colombian Indian cultures as effected by the Iberian conquest. Special emphasis is given to the characteristic Latin American ethos and modern revolutionary change.
- Hst 371 Islamic Civilization 3**
An introduction to the lands, peoples and cultures of the Middle East from antiquity to modern times. The role of religion in shaping social and political institutions is emphasized, especially the influence of Islamic thought on the Arab world and conflicts in the contemporary Middle East.
- Hst 412 Origins of the American Political System 1763-1803 3**
(Pol 412) The origins of the American political system from the end of the Seven Years' War through the Louisiana Purchase and Marbury vs. Madison. Focuses on government under the Articles of Confederation, the Constitutional Convention, ratification controversies, the first political party system and Jeffersonian vs. Hamiltonian approaches to government.
- Hst 416 Contemporary Global Issues 3**
Senior seminar devoted to an in depth examination of a major issue affecting the global community. Exact topic to be determined each semester by the instructor.
- Hst 420 Advanced Topics in European History 3**
A research-oriented course that will focus on one specific aspect of European history. Allows advanced students to study one aspect of European history in depth. Prerequisite: Hst 201.

Hst 478	History of California The history of California from earliest times to the present with an emphasis on its Hispanic heritage.	3
Hst 489	Historiography An intensive exploration of theories and techniques of doing history. Emphasizes research skills, writing and the major philosophies of history. Includes research in both primary and secondary sources as well as readings in the historiography of selected historical periods.	3

HUMANITIES

Hum 411 (BSc 411)	Goddesses and Heroes An interdisciplinary approach to topics in Humanities and Behavioral Sciences. This course meets the Graduation requirement for Senior Seminar.	3
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INFORMATION TECHNOLOGY/INFORMATICS

ITP 101	Introduction to IT and Computer Science This course introduces the historical development of IT and basic concepts of computer science with emphasis on the theory, developments and implications of information systems. Various IT application programs and programming languages are surveyed in the course. Overview of computer architecture and the nature of computing are covered in the course. Students are required to complete elementary computer programming and IT projects. Computer lab assignments are part of the course.	3
ITP 104	Fundamentals of Programming (C++) Fundamentals of Programming covers the basic principles of computer programming and the procedures involved in coding, program development, algorithms design, development and control. The class addresses basic programming language syntax and constructs, commands and utilities used for writing quality computer programs using the C++ programming language. The course also introduces the basic concepts of assembly and high-level programming languages. Students in the class will be able to write elementary programs that will run on Intel based microcomputers. Prerequisite: Department approval.	3
ITP 105	Web Design Basics This course provides the concepts, procedures and techniques used in the process of Internet-based applications development. Students will learn and use web application development programs to create websites and manipulate information. The class will require team work, project planning, implementation and testing of web application programs. Web development tools such as HTML, Java, NetObject Fusion, Microsoft FrontPage and Macromedia Flash are addressed in the class and one of the programs is used to develop Internet-based projects throughout the course. Prerequisite: ITP 101 or consent of instructor.	3
ITP 204	Object Oriented Programming (Visual Basics) This course is designed to introduce various object-oriented programming languages and explore programming concepts and algorithm development using Visual Basic. The class also studies the organization and runtime behavior of the languages and resource requirements for the programs. Students will develop application programs using Visual Basic. Prerequisite: Consent of instructor.	3

- ITP 205 Introduction to Operating Systems 3**
Introduction to operating systems provides the basic functions of modern desktop and enterprise operating systems. Topics addressed in the course include: multi-tasking, process synchronization, deadlocks, memory management, file systems, protection, backup, security and communication between the operating system and the computer architecture. The course includes comparative analysis of modern operating systems such as Unix, Windows, Macintosh and Open VMS. Prerequisite: ITP 101 or consent of instructor.
- ITP 209 Computer Architecture (Hardware) 3**
This course introduces the major hardware components and peripherals of computers and the interrelation of the devices in performing functions. Concepts of microprocessors, data transfer and control methods, program sequencing, instruction sets and memory organization theories are addressed in the class. Prerequisite: ITP 101 or consent of instructor.
- ITP 261 Information Technology/Informatics 3**
This class covers theoretical and practical aspects of business application programs like spreadsheets, databases, word processing, publishing and Internet tools as used to develop and maneuver information and business processes. Office application programs like MS *Word*, *Excel*, *Access*, *PowerPoint* and Web and email applications are used for business analysis and problem solving strategies.
- ITP 304 Systems Analysis and Design 3**
This class provides the skills needed to analyze computer systems and business processes in organizations. Students will learn the traditional and technical methods of requirements analysis, entity relationships and process flows, and presenting the outcome to users. Students will use flowcharting tools such as MS *Visio* and other systems analysis programs to design and map systems and evaluate functionalities of business processes and costs. Students will also learn and apply effective business principles used in organizational systems analysis. Prerequisites: ITP 101 and 205, or consent of instructor.
- ITP 307 Introduction to Networking 3**
An introduction to the principles of computer communications, Local Area Networks (LANs), Wide Area Networks (WANs) and the seven layers of network protocols. The class also addresses design and concepts of network topologies, network devices, TCP/IP and OSI diagnostics, firewall techniques, network risk assessment and basics of enterprise network administration. Prerequisite: ITP 205 or consent of instructor.
- ITP 308 Software Engineering 3**
The course introduces software design, development, lifecycle and principles applied for each application development stage and managing software projects. Students will learn the processes of creating, developing, testing and deploying software and the management methods in software development projects. Software development programs and CASE tools will be utilized to design, manage and evaluate the software project. Prerequisite: ITP 204 or consent of instructor.
- ITP 360 Multimedia Design 3**
Multimedia is the discipline of computer generated and controlled integration of text, graphics, illustrations, audio, video and any other media where objects can be manipulated, stored, transmitted and processed digitally to produce appealing information. This course will introduce various multimedia application tools and students will be able to develop multimedia projects using Adobe *PhotoShop* or Macromedia *Director*. Prerequisite: Consent of instructor.

- ITP 361 **Advanced Web Design** **3****
This course covers the development of a complex business application website from planning and development to completion. Issues of e-commerce and organizational database connectivity, web administration and security concepts will be addressed in the class. The course will utilize Macromedia *Dreamweaver* and other Macromedia products to design and develop a professional website. Prerequisite: ITP 105 or consent of instructor.
- ITP 403 **Database Management Systems** **3****
An introduction to the nature of relational and hierarchical database structures and the design and development of database tables, forms, reports and user interfaces. Students will create, analyze and manage databases using popular database development programs. Major relational database technologies such as Oracle, Informix and Sybase are addressed to provide a comprehensive understanding of database management systems. The course also addresses some of the major database servers such as Oracle and MS SQL Server.
- ITP 405 **Advanced Operating Systems (Enterprise Computing)** **3****
This course covers concepts of advanced operating systems focusing on the Unix/Linux operating system. Students taking the course will learn UNIX/Linux navigational techniques and file systems, directory structures, links and symbolic links used in the Unix/Linux environment. Students will also learn to use the KornShell, including wildcards, command history and substitutions to search and find files by name, owner, type or other attributes and process data with filters and pipes. The course also covers basic principles of Unix/Linux system security and network administration. Prerequisite: ITP 205 or consent of instructor.
- ITP 408 **Information Resource Management** **3****
This course covers the managerial aspects of information technology and skills needed for the administration of information resources. Diverse perspectives of business principles and the application of information systems to meet organizational objectives are stressed in the class. The course introduces concepts of Enterprise Resource Planning (ERP) systems and Customer Relationship Management (CRM) methods by analyzing real world information technology cases and projects. The class promotes an interactive learning environment by Prerequisite: ITP 205, 403 or consent of instructor.
- ITP 410 **Database Programming (SQL)** **3****
An introduction to the advanced concepts of database programming including designing and developing forms and reports and database transaction processing using SQL and PL/SQL. Particular emphasis is placed on relational database management which focuses on the logical nature of databases. Concepts of Data Definition Language (DDL) and Data Manipulation Language (DML) and administration of databases are addressed in the course. Prerequisite: ITP 403 or consent of instructor.
- ITP 420 **Artificial Intelligence** **3****
This course presents an overview of artificial intelligence concentrating on the core concepts of problem solving, heuristic search and knowledge representation. The class introduces widely used A.I. languages such as Lisp and Prolog to examine the application of core concepts in natural language processing and expert systems. Emphasis of the course will be on the selection of data representations and algorithms useful in the design and implementation of intelligent systems. Prerequisite: ITP 308 or consent of instructor.

- ITP 466 Computer Animation 3**
 This course introduces basic concepts of computer animation and the software used to develop 2-D and 3-D object animation. The course addresses principles of geometric modeling, motion specification, lighting, rendering, texture mapping, compositing, production techniques and systems for computer synthesized animation. Introduction to some popular animation studios such as Maya, SoftImage and 3D Studio Max is also covered in the class. The course primarily focuses on developing web-based object animation using Macromedia or Adobe products. Prerequisite: ITP 360 or consent of instructor.
- ITP 490 Internship [Research Seminar] 3**
 This class is a supervised individual field work experience where students are required to work in the area of information technology. A written contract between the student and the company allowing the internship needs to be submitted and approved by the department prior to the internship assignment. Prerequisite: Consent of instructor.

INTERDISCIPLINARY

- Int 100 Freshman Seminar 2**
 Seminars, workshops and presentations to assist freshmen with adjustment to college life in general and its social, interpersonal and academic demands; life-long learning, student development, communication skills, computer skills and multicultural awareness. Students will be required to attend various campus events/activities and skill/career workshops. *Required of all students entering Concordia with fewer than 24 semester units of college credit.*
- Int 103 Leadership Development 1**
 This course takes a developmental approach to helping students improve their leadership skills. Student leaders meet together to support and encourage one another and share new ideas and goals. Students become aware of their personal leadership styles and how to work cooperatively with others.
- _____ 411 Interdisciplinary Seminar 3**
 A general education capstone course for seniors designed by each division and for the purpose of helping the student integrate and synthesize the multifaceted knowledge and perspectives gained from exposure to all other courses in the general education curriculum.

MARKETING

- Mkt 341 Marketing 3**
 A study of movement of goods from producer to consumer, marketing institutions, product strategies, promotional strategies, pricing policies and channels of distribution. Prerequisite: Bus 201 or concurrent enrollment.
- Mkt 344 The Advertising Agency 3**
 This course is offered for students who wish to gain experience in processes central to the advertising industry. The course will emphasize three major areas: account management, creative processes and media planning. Included in the course will be client acquisition and service, development of the central themes and messages of advertising campaigns, creation of copy and images to support the message, selection of media and evaluation of advertising efforts. Prerequisite: Mkt 341 or concurrent enrollment.

Mkt 345	Sales Promotion Understanding the promotional process to consumer or trade, utilizing incentives, allowances, acceleration, special offers and web advertising. Students develop several promotional projects. Prerequisite: Mkt 341 or concurrent enrollment.	3
Mkt 363	Computer Graphics This course uses Adobe <i>Photoshop</i> or a similar product. The purpose of the course is to develop student skills in the creation and execution of computer graphics for advertising, illustration or enhancement of business products.	3
Mkt 365	Computer Graphics with Motion This course uses Adobe <i>Premier</i> or a similar product. The purpose of this course is to develop student skills in the creation and execution of animated computer graphics for advertising, illustration or enhancement of business products.	3
Mkt 442	Marketing Research A comprehensive overview of marketing research, providing information for marketing decision making. Problem identification and problem solving research. Student develops competence in survey methods applying analysis techniques including frequency distributions, discriminant, factor and cluster analysis. Prerequisite: Act 341.	3

MATHEMATICS

Mth 099	Intermediate Algebra (with lab) A preparatory course for students who need extra instruction before taking Mth 201. The Real Number system, equations and inequalities, polynomials, rational expressions, functions, graphing and quadratic equations are among the topics covered. Prerequisites: placement by testing and consent of division chair. (No graduation credits are given for this course.)	3
Mth 201	Principles of Mathematics A study of mathematics competencies required for the liberal studies major. Topics included are logic, algebra, functions, counting, probability and statistics. Problem solving is emphasized throughout the course. Prerequisite: liberal studies majors only.	3
Mth 211	The Nature of Mathematics This course serves as the primary general education course in mathematics. Students will explore some of the fundamental ideas in mathematics while also seeing how mathematics relates to the world around them. Topics will include an understanding of numbers, statistics, consumer mathematics, and introduction to several intriguing mathematical topics such as infinity and Fibonacci numbers. Problem solving skills are emphasized throughout the course. Writing and projects, as well as traditional methods of assessment, will be used.	3
Mth 251	Pre-Calculus Study of algebraic, logarithmic, exponential and trigonometric functions, conic sections, limits and other selected topics. Problem solving will be emphasized throughout the course. Graphing calculator is required.	3
Mth 265	Introduction to Statistics A basic statistics course applicable to education, business and the hard sciences. Topics covered include descriptive statistics, the normal, binomial, F-, and	3

Chi-squared distributions and hypothesis testing. Optional topics might include additional non-parametric tests and ANOVA. TI-83 graphing calculator or Microsoft *Excel* will be required.

- Mth 271 Calculus I (Lecture 5, lab 1) 5**
Study of differential and integral calculus with applications. Students are expected to have a graphing calculator. Emphasis is placed on using calculus to solve problems. Lab time is included in the schedule. Prerequisite: Mth 251 or consent of division chair.
- Mth 272 Calculus II (Lecture 5, lab 1) 5**
Continuation of Mth 271, including study of integral calculus with emphasis on the definite integral, transcendental functions along with applications, sums and sequences, and an introduction to differential equations. Students are expected to have a graphing calculator and ability to use appropriate computer software. Lab time is included in the schedule. Prerequisite: Mth 271 or acceptable AP examination credit.
- Mth 295 Mathematical Notation and Proof 3**
Introduction to standard mathematical notation, methods, truth tables and principles of symbolic logic for use in determining the validity of arguments. The remainder of the course will deal with proper notation and structure in mathematical proofs including direct and indirect proofs, mathematical induction and construction of counter-examples. Application will be made to a field of mathematics such as set theory, algebra or geometry. Prerequisite: Mth 271, 272 or concurrent registration.
- Mth 311 Mathematics for Teachers I 3**
The first course of two that reviews the topics within most elementary mathematics curriculum. This course is designed to meet the state criteria for students studying to become elementary teachers. The content areas covered are set theory, pre-operational skills, whole number operations, estimations and mental calculation, number theory, fractions, decimals and integers. Problem solving is emphasized throughout the course. Topics will be presented with appropriate styles of mathematical methodology with hands-on types of classroom activities. Recommended for junior/senior level status. Prerequisite: Mth 201.
- Mth 312 Mathematics for Teachers II 3**
The second course of two that reviews the topics within most elementary mathematics curriculum. This course is designed to meet the state criteria for students studying to become elementary teachers. The content areas covered are rational and real numbers, statistics, measurement and geometry, including terminology, polygons, similarity, congruence, coordinate geometry, symmetry, reflections and rotations. Problem solving is emphasized throughout the course. Topics will be presented with appropriate styles of mathematical methodology with hands-on types of classroom activities. Recommended for junior/senior level status. Prerequisite: Mth 311.
- Mth 373 Calculus III 4**
A continuation of Mth 272, this course includes the study of vector calculus, three-dimensional calculus, partial derivatives, multiple integrals, differential calculus and other selected topics in vector calculus. Prerequisite: Mth 272.
- Mth 376 Discrete Mathematics 3**
Includes the study of relations and functions, graph theory, counting principles and combinatorics, set theory, Boolean algebra, code theory, linear programming and other selected topics.

- Mth 380 Modern Geometry 3**
General study of deductive systems of geometry including Euclidean, projective, finite and other non-Euclidean geometries. Prerequisite: Mth 295 or concurrent registration
- Mth 387 Theory of Probability 3**
Probability and combinatorics; discrete and continuous random variables; the normal, gamma, Chi-square, Poisson and binomial distributions with applications.
- Mth 388 Mathematical Statistics 3**
A continuation of Mth 387, this course covers various multivariate probability distributions, bias and unbiased estimators, Least Square estimation, ANOVA and Block Designs, a revisit of hypothesis testing and a study of nonparametric statistics. Prerequisite: Mth 387.
- Mth 401 Mathematics in Secondary Education 3**
Designed for those students expecting to become mathematics teachers in a secondary school. Study of the current mathematics curriculum in the secondary schools as well as the current trends regarding pedagogy, assessment and technology in the mathematics classroom as outlined by California's *Mathematics Framework*. Prerequisite: junior or senior level only.
- Mth 420 Number Theory 3**
Provides a developmental study of the natural numbers and the integers. Topics include mathematical induction, prime numbers, divisibility, congruence, diophantine equations and selected theorems of Fermat, Wilson, Euler, Legendre and Gauss and their applications to related programs of today.
- Mth 425 History of Mathematics 2**
Traces the historical development of fundamental concepts and techniques in the fields of mathematics. Special consideration will be given to those contributions made by mathematicians from various racial, ethnic, cultural and gender backgrounds. Prerequisite: junior or senior level only.
- Mth 471 Linear Algebra 3**
Includes the study of matrices, determinants, vector spaces, inner products, linear transformations, eigenvectors and others. Problem solving includes the use of matrices, linear programming, difference equations and other techniques from discrete mathematics. Recommended for sophomore/junior level.
- Mth 473 Modern Algebra 3**
Study of the properties and operations within groups, rings, integral domains, fields, normal subgroups, quotient groups, homomorphisms and isomorphisms. Prerequisite: Mth 471.
- Mth 484 Differential Equations 3**
Classification of differential equations is covered. First order equations, exact differentials, integrating factors, higher order differential equations, method of undetermined coefficients, variation of parameters, operator methods, solution by infinite series and Laplace transformations are taught. Prerequisite: Mth 373.
- Mth 489 Real Analysis 3**
Introduction to the topics of real analysis by studying the topology of \mathbb{R}^n , continuity, differentiability, integration and how these topics are related. Included will be proofs of the Heine-Borel and Bolzano-Weierstrass theorems, the intermediate value and mean value theorem, as well as the fundamental theorem of calculus. Prerequisite: Junior or senior level only.

- Mth 495 Topics in Mathematics (Individualized Study) 1**
The capstone course for all mathematics majors. Students will meet with an instructor once per week and dedicate their mathematical efforts to the study of a specific topic in mathematics. Students will complete a written project and present their findings to a committee of peers and a selected number of faculty.
Prerequisite: seniors only.

MUSIC

- Mus 101 Experiences in Music 1.5**
A practical introduction to various types of music including popular, classical and non-Western styles. Introductory experiences in music reading, singing and playing piano, and handbells.
- Mus 102 Creative Musicianship 1.5**
An exploration of the process of music creation in a variety of Western and non-Western classical, popular and traditional styles through listening, basic theory, composition, discussion, performance, videos and concert attendance. Designed as an alternate to Mus 101 for general education students with some musical experience and as preparation for Mus 201.
- Mus 201 Music Theory I 3**
Beginning study of the craft of music for music majors and minors or general students with considerable musical experience. Includes study and application of scales, intervals, triads, rhythms and elementary chord progression through analysis and writing. Mus 211 is normally taken concurrently. Prerequisite: Mus 102 or other training in the fundamentals of musical notation.
- Mus 202 Music Theory II 3**
Continuation of Mus 201: study of non-harmonic tones, seventh chords, modulation and basic musical forms through analysis and composition of four-part textures. Mus 212 is normally taken concurrently.
- Mus 211 Aural Skills I 1**
Reinforces material and experiences in Mus 201 through keyboard and dictation activities with emphasis on the cultivation of musical sensitivity and responsiveness. Normally taken concurrently with Mus 201.
- Mus 212 Aural Skills II 1**
Continuation of Mus 211. Normally taken concurrently with Mus 202.
- Mus 215 Music Technology 1**
Introduction to MIDI technology as related to electronic tools for sequencing, recording and score production.
- Mus 221 Conducting I 1**
Beginning study in the craft of conducting, including basic beat patterns, preparatory and release gestures, and simple non-verbal stylistic cues. Students will conduct a musical ensemble made up from the members in class.
- Mus 222 Conducting II 1**
Continuation of Mus 221. Students will build upon their conducting skills with more advanced study in expressive gestures, left-hand independence, cueing, psychological conducting and score preparation. Prerequisite: Mus 221.
- Mus 303 Music Theory III 3**
Continuation of Mus 202 and 212, includes analysis of counterpoint, classical forms and chromatic alteration of melody and chord progression; further development of composition, aural and sight-singing skills. Prerequisite: Mus 202.

- Mus 304 Music Theory IV 3**
Continuation of Mus 303. Study of extended forms and melodic-harmonic formulae characteristic of the nineteenth century; introduction to techniques of the twentieth century; cultivation of related aural, notational and compositional skills.
Prerequisite: Mus 303.
- Mus 312 Instrumental Techniques and Repertoire: Brass 1**
Basic techniques for playing, teaching and maintaining brass instruments.
Curricular concepts and materials for teaching beginning instrumentalists.
Prerequisites: considerable musical experience, preferably instrumental, and consent of instructor.
- Mus 313 Instrumental Techniques and Repertoire: Percussion 1**
Basic techniques for playing, teaching and maintaining percussion instruments.
Curricular concepts and materials for teaching beginning instrumentalists.
Prerequisite: considerable musical experience, preferably instrumental, and consent of instructor.
- Mus 314 Instrumental Techniques and Repertoire: Woodwinds 1**
Basic techniques for playing, teaching and maintaining woodwind instruments.
Curricular concepts and materials for teaching beginning instrumentalists.
Prerequisite: considerable musical experience, preferably instrumental, and consent of instructor.
- Mus 315 Instrumental Techniques and Repertoire: Strings 1**
Basic techniques for playing, teaching and maintaining string instruments.
Curricular concepts and materials for teaching beginning instrumentalists.
Prerequisite: considerable musical experience, preferably instrumental, and consent of instructor.
- Mus 331 Music History I 3**
Survey of the development of art music in Western history from ancient Greece to the time of J.S. Bach, to include the relationship between secular and ecclesiastical, vocal and instrumental music and the social functions of music. Prerequisite: Mus 202 or consent of instructor.
- Mus 332 Music History II 3**
Survey of the development of art music in Western history from the time of J.S. Bach to the present, including the social functions of music and the relationship between secular and ecclesiastical, vocal and instrumental music. Prerequisite: Mus 202 or consent of instructor.
- Mus 390 Practicum in Music Leadership 1-2**
Closely supervised introductory experience in directing musical ensembles, assisting in classroom teaching or other approved music leadership activity.
Prerequisites: junior standing, completion of at least 15 credits in music, an appropriate methods course, demonstrated music leadership ability and consent of instructor.
- Mus 401 Advanced Studies in Music 1-3**
Scheduled when adequate student interest in particular topics arises such as jazz, counterpoint, arranging for instrumental, choral or handbell groups, electronic music, music in particular cultures, a period of music history or topics in music education. Prerequisites: depends on the topic selected, but normally Mus 202 and one music history course.
- Mus 402 Arranging and Orchestration 2**
Application of theoretical, stylistic and technical principles to adapting original music for a variety of performing groups including vocal, band, orchestra and small

ensembles. Prerequisites: Mus 202, one history course and one instrumental techniques course or equivalent experience.

- Mus 441 Handbell Methods and Repertoire** 1-3
Organizing and directing handbell programs; the one-credit component includes a philosophy of handbell ringing, methods for beginning ringers, materials and equipment, recruitment and handbell literature for school and church. The two-credit course adds literature and methods for more advanced ringers, small ensembles and solos and supervised leadership of a handbell ensemble. The three-credit option adds work in composition and arranging for handbells, as well as advanced directing. Prerequisites: Mus 202 and 221 for the three credit course or consent of instructor for the one credit course. Significant experience with handbell ringing is expected of all students.
- Mus 451 Music Cultures of the World** 3
Introduction to the study of music as a universal cultural phenomenon, with exposure to the musical and social aspects of a variety of folk, traditional and art music outside the European art tradition, including Latin American, African, Asian, North American and contemporary mass media forms. Prerequisite: Mus 101 or equivalent knowledge and experience in music strongly encouraged.
- Mus 461 Music for Children** 2-3
Identifying, understanding and working with the music capabilities of children; approaches, activities and materials for teaching music to children; development of preschool through grade 8 general music curriculum. The two-credit option is available to multiple-subject teacher education candidates interested in incorporating music into the self-contained classroom as well as others interested in musical development of children. The three-credit option is expected of music majors and available to others interested in developing curricula and/or other special skills and projects. Prerequisite: Mus 101 or equivalent; music reading ability and musical experience recommended.
- Mus 462 Music in Secondary Schools** 2
Principles and practices for teaching music in secondary schools: philosophy, organization, curriculum development and lesson-planning for general music, instrumental and choral programs. Preparation for CSET in music. Prerequisite: Mus 461 or concurrent registration.
- Mus 471 Choral Methods and Repertoire** 3
Advanced choral music methods course, focusing on choral repertoire, rehearsal management, advanced conducting techniques, vocal pedagogy, planning and administration. Prerequisites: Mus 202 and Mus 222 or consent of instructor.
- Mus 481 Contemporary Issues in Church Music** 2
The historical and theological foundation and preparation of contemporary Christian music for the worship service. Course activities may include various methods and materials for music teams, arranging for contemporary worship ensemble, modern music theory and instruction in the use of MIDI-based devices and software. Prerequisite: Mus 221 or experience in leading church music activities. Keyboard experience recommended.
- Mus 482 Musical Heritage of the Church** 3
Survey of the role, development and function of music in the Christian church from its roots in the Old Testament to the present day, with attention to biblical, theological, social and cultural considerations.

Mus 483 (Thl 483)	Hymnody and Sacred Song Survey of Christian hymnody and sacred song to develop awareness of the text and music treasures for both congregational and devotional use.	2
Mus 484 (Thl 484)	Planning Music in Christian Worship Practical study of planning music within the worship service. Students will draw upon their course experiences in theology, worship, history, arranging, performance and repertoire courses for creating and evaluating worship forms in the church today. Prerequisite: Thl 382; also suggested are Mus 331 or 482, 471, 481 and 483.	2
Mus 490	Internship in Music Culminating field experience normally reserved for Director of Parish Music candidates. Prerequisite: Music major with senior standing and all core courses completed.	3
Mus 498	Senior Project in Music Satisfies final requirements for a music major when church music, theory, music history, ethnomusicology or music education is the student's emphasis. May include developing a curriculum and music activities in a school, directing an established music performing group, conducting research or field study, writing a composition, preparing a festival worship service or leading music in a church under supervision. Prerequisite: approval of the senior project application by the music faculty. See also Senior Project Guidelines available in the Music Office.	2-3

MUSIC: APPLIED

Instruction is offered for voice, piano, guitar, organ, handbells and all standard orchestral instruments. See Music Department or Registrar for *Applied Music Registration Form*. A surcharge is assessed which includes instruction and access to practice facilities. The blank spaces are for instrument codes, a complete list of which are available in the Registrar's Office or Music Office. (See Tuition and Fees, page 15)

Mu__ 100 -101	Class Instruction Group instruction for beginning students. Available in voice, piano or guitar.	1
Mu__ 102 -409	Private Instruction Individual instruction at various levels of ability.	1-2
Mu__ 498	Senior Recital Preparation of a recital in the student's primary performing medium. Satisfies final requirements for a music major when performance is the student's emphasis. Prerequisite: approval of the senior project application by the music faculty. See also Senior Project Guidelines and Senior Recital Guidelines available in the Music Office.	2

MUSIC: ENSEMBLE

All ensembles may be repeated for credit, but only 2 units apply toward graduation except in the music major or minor where additional credits are required (see page 27).

NOTE: There may be an additional charge for required field trips or tours.

MuE 232	Chapel Choir	1
	Preparation of music of various styles for campus chapel services and occasional area church services. Basic vocal and sight-singing techniques. Membership is open to all students.	
MuE 234	The Concordia Choir	1
	Performance of significant musical works of all eras for major concerts and tours as well as campus chapel and area church services. Development of advanced vocal techniques and musical skills. Membership is by audition.	
MuE 236	Concordia Master Chorale	1
	An adult choral group for singers from both the community and the university. Performs major choral works from all eras, often with instrumental accompaniment. Normally presents three programs per year. Membership is by audition.	
MusE 238	Women's Ensemble	1
	Performance of significant musical works of all eras in concerts and church services on and off campus for women's voices. Development of advanced vocal techniques and musical skills. Membership is by audition.	
MuE 240	Pacific Ringers	1
	Introductory experience in handbell technique, note-reading and performance of elementary literature. Membership is open to all students as space permits.	
MuE 241	Chapel Bells	1
	Intermediate technical training and repertoire in handbells and introduction to performing experience on and off campus. Membership is by audition; previous handbell experience or other musical experience expected.	
MuE 242	Spirit Bells	1
	Intermediate and advanced techniques applied to performance of advanced literature on campus, in concert, in area churches and on tour. Membership is by audition; previous handbell experience expected.	
MuE 243	Concert Handbells	1
	Performance of significant five-octave handbell literature in major concerts and on tours as well as campus events; mastery of advanced techniques. Membership is by invitation.	
MuE 251	Band	1
	Performance of significant literature for wind and percussion instruments in concert and worship. Membership is by audition.	
MuE 252	Orchestra/String Ensemble	1
	Performance of significant literature for string instruments in concert and worship. Membership is by audition.	
MuE 253	Brass Ensemble	.5
	Select ensemble of brass instruments for special occasions on and off campus. Membership is by invitation from among students registered for MuE 251.	
MuE 254	Woodwind Ensemble	.5
	Select ensemble of woodwind instruments for special occasions on and off campus. Membership is by invitation from among students registered for MuE 251.	
MuE 255	Jazz Ensemble	.5
	An opportunity for advanced musicians to cultivate skills in jazz improvisation and performance. Membership is by invitation.	

PHILOSOPHY

- Phi 201 Critical Thinking 3**
This course explores the theory and practice of rational inquiry in oral and written argumentation. The course may examine reasoning via arguments from public policy, life choices, science, the arts and/or the professions. Students will learn to clarify complexities, expose assumptions, evaluate sources and articulate solutions. They will study elements of statement logic (including fallacies) and deepen their rhetorical and reasoning skills in researched writing. Prerequisite: Eng 102 recommended.
- Phi 210 Introduction to Philosophy 3**
Students are introduced to the traditions of western philosophy, beginning with the ancient Greeks and following selected threads in subsequent eras. Classic texts by selected philosophers are studied. Topics include ontology, epistemology, aesthetics, language and logic.
- Phi 211 Philosophical Ethics 3**
An introduction to philosophy through study of major traditions of ethical reflection in the history of philosophy. Socrates, Plato, Aristotle, Kant and Mill will be among the philosophers studied. The course will be used as part of Concordia University's preparation of teams for ethics competitions.
- Phi 433 Philosophy of Religion 3**
An introduction to the issues of the philosophy of religion, including epistemological method, the classical proofs for God's existence, determinism, free will, religious experience, faith and reason and the problem of evil. Prerequisites: Thl 101 or 371, Phi 210 or 211 or consent of instructor.
- Phi 439 Analytic Philosophy 3**
An introduction to contemporary western philosophy. Includes 19th century background, the "early" and "later" Wittgenstein, G.E. Moore, B. Russell and the "ordinary language" movement. Reference to Christian respondents to the practitioners of this style of philosophy. Prerequisites: Phi 201 and 210 or 211.

PHYSICS

- Phy 211 Physics I (Lecture 3, Lab 2) 4**
Introduction to physics with emphasis on classical mechanics, wave motion and thermodynamics. Prerequisite: Mth 251 or consent of division chair.
- Phy 212 Physics II (Lecture 3, Lab 2) 4**
Continuation of Phy 211 with emphasis on electricity, magnetism, light, optics and modern physics. Prerequisite: Phy 211.

POLITICAL SCIENCE

- Pol 211 U.S. History and Government 3**
The theories of government basic to an understanding of the American Constitution; political parties in the American system; history, character and functions of government in the United States. **Meets Professional Clear Credential requirements—state of California.**

- Pol 301 Political Theory 3**
A study of the origins and development of classical and modern political philosophy as expressed in the writings of such theorists as Plato, Aristotle, Machiavelli, Locke, Rousseau, Hobbes, Marx and Dewey.
- Pol 304 International Relations 3**
Basic background and methods for analysis of current issues in international affairs such as the arms race, detente, human rights and the role of multinational corporations.
- Pol 308 Comparative Political Systems 3**
A comparative study of several types of governments, their similarities and differences in structure and function. Comparisons of historical as well as contemporary political systems. Special emphasis on political culture and political sociology and on the comparison between democratic and totalitarian governments.
- Pol 312 Constitutional Law 3**
The development of judicial interpretation of the U.S. Constitution from 1789 to the present. Emphasis on the political, social, cultural and economic context for key Supreme Court decisions. Use of the case study method to introduce students to legal reasoning. Topics include controversial court decisions involving race, religion, gender and limits of government authority.
- Pol 335 British Parliament 3**
(Hst 335) The historical structure and worldwide impact of British politics and the parliamentary system from the 17th century to the present. Prerequisite: Hst 201.
- Pol 412 Origins of the American Political System 1763-1803 3**
The origins of the American political system from the end of the Seven Years' War through the Louisiana Purchase and Marbury vs. Madison. Focuses on government under the Articles of Confederation, the Constitutional Convention, ratification controversies, the first political party system and Jeffersonian vs. Hamiltonian approaches to government.
- Pol 413 Religion and Politics in America 3**
The role of religion in American public life. Special emphasis on the interpretations and impact of the First Amendment and the concept of the "separation of church and state" on religious and political life in the United States.

PSYCHOLOGY

- Psy 101 Introduction to Psychology 3**
Concepts and principles pertinent to psychological processes of social behavior, development, motivation, sensation, perception, thinking and symbolic processes, learning, personality and psychological disorders.
- Psy 102 Career and Life Planning 1**
This course provides a systematic approach to generating self-knowledge (values, self-concept, interests, abilities), environmental knowledge (majors, occupations) and skills (problem solving and decision making) that maximize probability for productive lifestyle choices. Activities are centered on personal growth and development in order to produce a more knowledgeable and well-rounded individual.

- Psy 202 Human Sexuality 3**
Survey topics in human sexuality, with a foundation in Christian ethics guiding sexual conduct. The focus is on the development of sexual behavior, including areas such as gender identity, sexual orientation, sexual anatomy, contraception, reproduction and birthing, sexually transmitted diseases, sexual dysfunctions and the paraphilias.
- Psy 261 Chemical Dependency and Addiction 2**
Introduction to the addictive behavior connected with alcoholism and drug use. An understanding of the biological and psychological processes of addiction and the use of various interventive strategies in treatment.
- Psy 313 Developmental Psychology: Childhood 3**
The development of physiological and psychological aspects of human growth will be traced from birth through childhood. Theories and research evidence as well as methodological problems will be reviewed as they relate to the growth process. Prerequisite: sophomore standing or above.
- Psy 314 Developmental Psychology: Adolescence 3**
A study of human development during the adolescent period. Emphasis will be placed on an examination of theories and research data as these relate to adolescent development. Problems and adjustment patterns in the context of the family, peer groups, school and society will be included.
- Psy 315 Developmental Psychology: Adulthood and Aging 3**
An introduction to the major psychological and developmental issues concerning adulthood, aging and the aging process. Specific objectives are: to dispel many of the myths and stereotypes about aging; to examine issues associated with the physical, psychological, cultural and social aspects of aging; and to give the student a better understanding of the grief process as it relates to the issues of adulthood and aging.
- Psy 318 Learning Theories 3**
An examination of the theory and evidence pertaining to the physical and behavioral mechanisms involved in learning with special attention to principles of classical and operant conditioning. Emphasis will be on experimental findings that apply to learning. Prerequisite: Psy 101.
- Psy 340 Introduction to Biopsychology 3**
An introduction to the biological basis of behavior. Topics include the structure and functioning of the nervous system, brain-behavior relationships and hormonal and genetic effects on behavior. Limited to psychology and behavioral science majors or consent of instructor. Prerequisite: Psy 101.
- Psy 345 Social Psychology 3**
The effect of social influences upon the development of personality and behavior patterns. Topics include socialization, attitude formation and change, communication, propaganda, roles and stereotypes, leadership and collective behavior. Prerequisite: BSc 296.
- Psy 351 Personality Theory 3**
A study of personality through examination of those psychological systems which determine individuals' unique adjustments to their environment. Major issues and variety of personality theories are explored and underlying researches are evaluated. (Alternate prerequisite for all upper-level psychology courses.)
- Psy 361 Abnormal Psychology 3**
An introduction to the symptoms, causes, treatment and prevention of psychopathology. Topics include anxiety disorders, personality disorders, psychophysiological disorders, psychoses, addictions, sexual deviations and

organic disorders. Prerequisite: BSc 296, junior or senior standing or consent of instructor.

- Psy 371 Cognition 3**
A theoretical and research-based investigation of the mental processes that underlie perception, imagery, attention, memory, language, reading, reasoning, decision making and problem solving.
- Psy 381 Advanced Research Methods I 3**
Students will conduct original, empirical and/or literature review-only research in psychology under the direct supervision of and/or collaboration with a psychology faculty member. The express intent of the projects is to have the resulting manuscript published in reputable psychological outlets; e.g. professional journals, monographs, book chapters. Students will be required to submit their projects for presentation at professional conferences.
- Psy 382 Advanced Research Methods II 3**
Students will conduct original, empirical and/or literature review-only research in psychology under the direct supervision of and/or collaboration with a psychology faculty member. The express intent of the projects is to have the resulting manuscript published in reputable psychological outlets; e.g. professional journals, monographs, book chapters. Students will be required to submit their projects for presentation at professional conferences.
- Psy 441 Clinical and Forensic Psychology 3**
An overview of the field of clinical psychology, with a particular emphasis on its sub-discipline of forensic psychology; the application of clinical research and practice findings to legal cases where someone's mental status is one of the issues being adjudicated; e.g. competency to stand trial, insanity, dangerousness and other forensic questions. The course covers clinical psychology's history and current professional issues, psychological assessment, training and ethical issues; emphasizing the role of the psychologist as an expert witness in court. Prerequisites: Psy 251 and Psy 361; junior or senior standing.
- Psy 466 Principles of Counseling 3**
A foundation course providing an understanding of the content and process of counseling. Specific aspects of the counseling process addressed include: basic skills, legal and ethical issues, crisis intervention, cultural sensitivity, how and when to refer, control-mastery theory and the integration of psychology and theology.

SCIENCE

- Sci 103 Safety Seminar (Individualized Study) 1**
This course provides an introduction to federal, state and local regulations, material safety data suggestions, chemical hygiene plans, labels, equipment, spill response, and proper handling and disposal of chemicals as related to an academic laboratory.
- Sci 115 Physical Science: Introduction to Chemistry/Physics (Lecture 3, Lab 2) 4**
Integrated, interdisciplinary introduction to chemistry, the central science, and physics, the fundamental science, emphasizing key concepts, significant chemical and physical phenomena and practical applications together with a brief introduction to the historical, philosophical, epistemological and theological underpinnings of chemistry and physics in current Christian apologetic context. Prerequisite: Mth 201, 251 or higher or concurrent registration.

- Sci 211 Geology (Lecture 2, Lab 2) 3**
 A study of the origin and composition of rocks and minerals; landscape development by water, ice and wind; earthquakes; the earth's interior; the nature of mountains and their development; the drift of continental and oceanic plates; and environmental aspects of geology. Students should be prepared for one or two weekend field trips.
- Sci 231 Astronomy (Lecture 2, Lab 2) 3**
 A study of the earth, time, moon, sky, celestial mechanics, solar system and the sidereal universe. Also included are star formation and evolution, space-time, black holes and galaxies. Labs include a study of the laws of physics related to the optics of telescopes. Evenings in observation and a possible weekend field trip may be included.
- Sci 301 Earth Science (Lecture 3) 3**
 An introduction to position, motion and properties of the solar system and cosmos. A survey of spatial concepts of the earth's crust, materials, structure and the effects on the land forms, soil, vegetation and natural resources. An overview of the atmosphere, its composition and the processes that makes the earth's surface so dynamic. Prerequisites: Bio 101 and Sci 115.
- Sci 318 Ocean Science (Lecture 2, Lab 3)**
 A study of the characteristics of the marine biotypes and physical characteristics; the organisms indigenous to each; physical, chemical and biological parameters affecting the productivity of each biotype; the geological composition of the ocean floor and air-sea interactions. Lecture and field work also included. Two weekend field trips are possible (Friday afternoon through Sunday). Prerequisites: Bio 101 or 111 and Sci 115.
- Sci 411 Interdisciplinary Seminar: Science and Theology 3**
 (Thl 411) A capstone course designed for the purpose of helping the student integrate and synthesize the multifaceted knowledge and perspective gained from exposure to all other courses in the general education curriculum. By means of an integrative theme and presentations by several members of the science and theology faculty, students will interface with the interpretive models of science and theology in their analysis of epistemology, bioethics and creation/evolution. Restricted to seniors.
- Sci 455 History and Philosophy of Science (Lecture 3) 3**
 An historical overview of the development of science and its philosophy, concentrating on Western thought from Augustine and the Greek influence through today's cosmology (the Big Bang) and evolutionary synthesis. Emphasis will be placed on the evolutionary synthesis, its development and controversies. Major assumptions include the distinction between material naturalist, philosophical naturalist and the philosophical problems of consciousness, rationality and reductionism.

SOCIOLOGY

- Soc 101 Introduction to Sociology 3**
 The analysis of social interaction, social relationships, socialization, social deviance, social control, social institutions, social processes and social change, family and educational problems, child abuse, social deviance, crime and delinquency and drug, alcohol and tobacco abuse.

- Soc 229 Criminology 3**
Introduction to the scientific study of crime as a social phenomenon. Course focuses on how crime in our society is related to the collective aspects of human life.
- Soc 316 Ethnic and Minority Relations 3**
An analysis of ethnicity in contemporary urban society including relationships between subcultural communities and the larger society. Factors and processes in the formation of minority groups will be examined as well as strategies for changing dominant-minority patterns.
- Soc 320 Social Stratification 3**
This course introduces the sources, functions and dynamics of the unequal distribution of wealth, power, knowledge and prestige in an historical, comparative perspective.
- Soc 321 Social Problems 3**
An introduction to the major problems in contemporary America with a focus on the causes, theoretical explanations and social policy solutions. Topics include economic and political problems, urbanization and environmental problems, family and educational problems, child abuse, social deviance, crime and delinquency, and drug, alcohol and tobacco abuse.
- Soc 325 Women and Gender Issues 3**
An analysis of the status of women in Western society as well as from a cross-cultural perspective. Topics include: theories of male domination, gender stereotypes, male-female relationships, women's liberation and the role of women in the church. A multidisciplinary perspective in understanding women's roles will be featured.
- Soc 331 Marriage and the Family 3**
A study of marriage, the family and the intimate environment. Topics such as courtship, marriage and role relationships in the family as a social institution will be discussed. Additional emphasis will be placed on the changing nature of the family, family problems and family strengths. A Christian perspective of the family will be offered.
- Soc 332 Child, Family and Community 3**
An overview of the socialization process involving the young child in the larger cultural setting. Focus will be on social institutions as social agents including the family, the school, peer groups, mass media and community structures. Prerequisite: sophomore standing or above.
- Soc 355 Social Gerontology 3**
An introduction to the study of aging from a sociological perspective with attention given to current research, problems faced by the elderly, the impact of an increasingly aged population on society, and the resulting implications for policy and social intervention.
- Soc 411 Servant Leadership 3**
A capstone course for seniors designed to integrate systematic inquiry into general leadership theories and concepts; experiential learning through opportunities for servant leadership; personal reflection and development; and demonstration of proficiency in oral and written communication.
- Soc 461 Social Theory 3**
Selected major social theories and theorists; introduction to the formulation and evaluation of social theories, including social systems theory, evolutionary theory, formal and phenomenological theory, sociology of knowledge, symbolic interaction theory functionalism, social action theory and exchange theory. History and development of social theory.

SOCIAL WORK

- SWk 301 Introduction to Social Work** 3
An introduction to the field of social work from an historical, educational and theoretical perspective. Emphasis is placed on developing an awareness of the scope of the profession and exploring an interest in pursuing human services as a career.
- SWk 302 Social Work Practice** 3
A comprehensive exploration of the basic skills used in the profession of social work. Selected areas of social work practice are examined including individuals and families, groups, communities and social policy formulation.
- SWk 303 Introduction to Social Policy** 2
An introduction to basic social policy, the process by which social policy is a response to current social problems, and the social and cultural factors that shape social welfare policies and services.
- SWk 304 Human Behavior in the Social Environment** 3
Introduction to various theories of human behavior and the social environment as a foundation for social work practice. The relationship among biological, social, psychological and cultural systems as they affect the “person-in-environment” will be examined.

SPANISH

- Spa 101 Spanish I** (Lecture 4, Lab 1) 4
Natural approach to Spanish with an emphasis on developing conversational skills. Reading and writing skills also introduced. Course taught completely in Spanish and is for students who have had no Spanish or less than two years of high school Spanish.
- Spa 102 Spanish II** 4
Continuation of Spa 101. Prerequisite: Spa 101 or two years of high school Spanish. (Fulfills Concordia's foreign language requirement.)
- Spa 201 Intermediate Spanish I** (Lecture 3, Lab 1) 3
Systematic review of grammar including readings to provide an introduction of Spanish culture and literature. Prerequisite: Spa 102 or equivalent.
- Spa 202 Intermediate Spanish II** 3
Continuation of Spa 201. Prerequisite: Spa 201 or equivalent.
- Spa 301 Advanced Conversation** 3
Development of increased mastery of the spoken language through extensive text and periodical readings. Emphasis placed on small-group discussion to improve skills in Spanish. Prerequisite: Spa 202 or equivalent.
- Spa 302 Advanced Grammar/Reading** 3
Extensive reading of Spanish writings, review of grammatical principles and regular composition work based on these readings. Prerequisite: Spa 202 or equivalent.
- Spa 311 Survey of Spanish Literature** 3
Study of representative works of literature of Spain from the Middle Ages to the present. Prerequisite: Spa 202.
- Spa 312 Survey of Spanish American Literature** 3
Study of representative works of Spanish-American literature from the Conquest to the present. Prerequisite: Spa 202.

- Spa 399 Independent Study** 2-4
Intended for students capable of doing independent study in Hispanic language, civilization or literature. Research paper required. Prerequisite: consent of Humanities Division.

THEATRE

NOTE: There may be an additional charge for required field trips.

- Thr 101 Experiences in Theatre** 1.5
An activity-oriented course designed to acquaint students with the ephemeral, experiential nature of the theatre. Course content includes play-going, play-making (i.e., scenework), rudimentary play analysis, and discussion and direct participation in on-campus production work.
- Thr 251 Introduction to Theatre** 3
An overview of the various conventions, forms, styles and genres of the theatre. Principles of play analysis. Explorations in theatre criticism from dramaturgical, literary and cultural perspectives. Thematic discussions of representative contemporary plays. Field trips.
- Thr 261 Acting I** 3
An introduction to basic acting technique. Students examine ways to construct the interior, physical and vocal life of a character and learn warm-up procedures and staging principles. Experiences in scene and character analysis; performance of monologues and improvisations; introduction to scene study. Field trips. Prerequisite: Thr 251 or consent of instructor.
- Thr 262 Acting II** 3
An intermediate experiential course covering performance techniques and principles through in-class scene study. Exploration of the following theatrical styles: contemporary realism, Greek tragedy and Comedy of Manners. Exercises, analytical skills, research of theatrical styles and rehearsal procedures are also considered. Field trips. Prerequisites: Thr 251 and 261 or consent of instructor.
- Thr 271 Acting in Musical Theatre** 3
Exploration of the voice, movement and acting skills necessary to performing in modern musical plays. Students participate in workshops, exercises, warm-ups, rehearsal procedures, solo and group in-class performances. Field trips. Prerequisite: Thr 261 or consent of instructor.
- Thr 299 Film as Art, Education and Entertainment** .5
This course is an overview of the various conventions, forms, styles and genres of cinema through discussions of representative films. The course will expose students to basic principles used to analyze cinema, focusing particularly on the visual nature of the medium. May be repeated for credit.
- Thr 311 Stagecraft** 3
Introduction to the practical application of theatrical design principles. Techniques and practices of technical organization, set construction, lighting preparation, costume construction, makeup application and sound preparation, with emphasis on hands-on experience. Field trips and participation in on-campus production work required. Prerequisite: Thr 251 or consent of instructor.
- Thr 321 Introduction to Theatrical Design** 3
Introduction to theories and principles of theatrical design, with emphasis upon a wholistic, scenographic approach. Exploration of set, lighting, costume, makeup and sound design, with consideration of director/designer collabora-

- tion. Field trips and participation in on-campus production work required. Prerequisite: Thr 251 or consent of instructor.
- Thr 330 Readers Theatre 3**
In-depth work in solo and group oral interpretation, including selection, adaptation and presentation of readers theatre programs for adults and children. Topics include: intercultural issues in performance, performing for religious audiences and performance of non-fiction. Field trips required.
- Thr 351 Play Direction 3**
Students are introduced to the following directing techniques: play selection and analysis, auditioning, scenic design and staging, actor coaching, rehearsal strategies and production management. Principles in directing for both the proscenium and the open stage are examined. Workshop scenes are presented and evaluated. Prerequisites: Thr 251, 261 and 262 or consent of instructor.
- Thr 371 Acting III 3**
Advanced study of techniques of theatrical performance through intensive in-class workshop experiences. Special emphasis on acting Shakespeare and other period styles. Exercises, analytical skills, rehearsal procedures and methods of artistic criticism are also considered. Field trips. Prerequisite: Thr 262 or consent of instructor.
- Thr 441 Theatre and Culture I 3**
An examination of the theatre of various cultures from the Classical period through the Renaissance. Intensive study of representative plays. Consideration of the theatrical conventions, visual art, music and significant historical events of various periods. Field trips. Prerequisite: Thr 251 or consent of the instructor.
- Thr 442 Theatre and Culture II 3**
A continuation of Thr 441. An examination of the theatre of various cultures from the Renaissance to the present day. Prerequisite: Thr 251 or consent of instructor.
- Thr 461 Creative Dramatics 3**
Emphasis upon personal dramatic experience and drama as process instead of theatrical product. Principles and procedures for utilizing creative dramatics activities in a variety of settings, as expressed through individual and group movement, sound and improvisation. Practicum lab hours required.
- Thr 498 Theatre Showcase 3**

THEOLOGY

- Thl 101 Foundations of Christian Theology 3**
This course studies the source of Christian theology, namely the Holy Scriptures. Drawing upon the Scriptures as well as historical and doctrinal writings by Christian theologians, the student will examine major teachings of the Christian faith (e.g., the nature and knowledge of God, Christology, justification, ecclesiology, eschatology, sacramentology). Differing understandings of these teachings will be explored when appropriate. Such engagement will enable the student to understand and articulate the basic tenets of Christianity.
- Thl 105 Life of Christ 3**
An inductive approach to the Christian faith through the Gospel literature. An exploration of Christ's life, miracles, parables and teachings leading to an understanding of doctrine as formulated in the Apostles' Creed. The historical and cultural background of Christ's life as well as the significance of the Gospel will

be studied. *Designed primarily for the student who has had little or no contact with Western philosophy and culture and no formal education or exposure to Christian doctrine and practice. Such students may take this course in place of Thl 101.*

- Thl 201 History and Literature of the Old Testament 3**
An historical and literary survey of the Old Testament, with an emphasis on theological themes and their relevance for Christian faith and life.
- Thl 202 History and Literature of the New Testament 3**
An historical and literary survey of the New Testament, with an emphasis on theological themes and their relevance for Christian faith and life.
- Thl 222 Christian Witness and Evangelism 1**
This course will introduce the student to the theology and practice of Christian evangelism. Skills in speaking the Gospel to others will be developed and applied.
- Thl 311 Old Testament Book of the Bible 3**
An in-depth study of a single book of the Bible or several smaller books in their entirety. The books studied will vary from offering to offering and be selected by the instructor. Prerequisite: Thl 201 or consent of instructor.
- Thl 312 New Testament Book of the Bible 3**
An in-depth study of a single book of the Bible or several smaller books in their entirety. The books studied will vary from offering to offering and be selected by the instructor. Prerequisites: Thl 201 and 202 or consent of instructor.
- Thl 321 World Religions 3**
A survey of the world's major non-Christian religions including major motifs, belief patterns, ritual and worship, ethics and social patterns, origin and development and sacred writings.
- Thl 351 Patristic and Medieval Christianity 3**
Emphasis on the major themes in the history of medieval Christian thought. Beginning with the church fathers, the student will continue through the thought of the major medieval thinkers culminating with the work of St. Thomas.
- Thl 355 The Reformation 3**
An introduction to the background history of the Reformation with particular emphasis upon the thoughts of Martin Luther and John Calvin. Some attention is devoted to the Anabaptist movement of the time as well as to the "Counter Reformation." The student will also be introduced to later 17th century orthodoxy.
- Thl 358 Contemporary Church History 3**
Emphasis on the major themes in the history of 20th century Christian thought. After a survey of the 18th and 19th century background, the course will focus on theological thought after Protestant liberalism and up to the present day. Some time will be devoted to conservative responses.
- Thl 365 Readings of Classical Christian Thought 3**
To understand how theology and ethics determine life decisions, the major motifs of Christian theologians are studied and compared including Augustine, Aquinas, Luther, Calvin and contemporary theologians whose teachings provide guidance for present communities of faith including Roman Catholic, Lutheran, Reformed, Protestant, Evangelical, etc. *Students with significant education in Christianity may use this course in place of Thl 101 in the general education requirements upon consultation with instructor.* Prerequisite: Thl 101 or consent of instructor.

- Thl 371 Christian Doctrine I 3**
 Introductory course in systematic and confessional theology for undergraduates. Covers the subjects of revelation and scripture, God and His attributes, humanity and sin, and the person of Jesus Christ as the God/man. Stresses acquaintance with key biblical material and its expression in the Lutheran Confessions. *Students with significant education in Christianity may use this course in place of Thl 101 in the general education requirements upon consultation with instructor.*
- Thl 372 Christian Doctrine II 3**
 Introductory course in systematic and confessional theology for undergraduates. Covers the subjects of the work of Christ, the person and the work of the Holy Spirit, the church and eschatology. Stresses acquaintance with key biblical materials and its expression in the Lutheran Confessions. Prerequisite: Thl 371.
- Thl 375 Contemporary Religious Bodies in America 3**
 Introductory survey of major theological communities and their theology. Designed as an undergraduate course in comparative dogmatics, the course is organized around the systems of Roman Catholicism, Luther, Calvin and Wesley. Prerequisite: Thl 101 or equivalent.
- Thl 382 Corporate Worship 3**
 The shaping of the theology of corporate worship on the basis of the scriptures and the Lutheran Confessions, with particular reference to criteria for creating and evaluating worship forms in the church today. Prerequisite: Thl 101 or equivalent.
- Thl 404 History of the Christian Church 3**
 This course surveys the origin and development of the Christian church. Political and cultural contexts and influences on the church will be examined. Special consideration will be given to theological themes which surfaced at different times and in different places throughout the history of the Christian church, culminating with twenty-first century trends in fundamentalism, evangelicalism and ecumenism.
- Thl 411 Interdisciplinary Seminar: Science & Theology 3**
(Sci 411) A capstone course designed for the purpose of helping the student integrate and synthesize the multifaceted knowledge and perspective gained from exposure to all other courses in the general education curriculum. By means of an integrative theme and presentations by several members of the science and theology faculty, students will interface with the interpretive models of science and theology in their analysis of epistemology, bioethics and creation/evolution. Restricted to seniors.
- Thl 429 Biblical Theology and Exegesis 3**
 An intensive study of the major themes of the Old and New Testaments through the introduction and application of the tools and principles of exegesis and hermeneutics, with special emphasis on deriving Law and Gospel principles for use in congregational ministry. Prerequisites: Thl 201 and 202 or concurrent enrollment.
- Thl 430 Christian Apologetics 3**
 The relationship of the Christian faith to the major philosophies and ideologies that conflict with Christianity will be evaluated in light of the epistemological and ontological arguments developed by Christian apologists in support of scripture from the second century to the present. Prerequisite: junior or senior standing or consent of instructor.

- Thl 465 Christians and Ethics 3**
An exploration of morality and ethics in light of scriptural teaching concerning both creation and redemption. Students will be oriented to the main approaches, both traditional and contemporary, of non-biblical philosophical ethics and will study how Christian faith interacts with these approaches. The significance for ethics of the Lutheran confessional distinction between God's left and right hand rule will be explored in depth. The course will usually include student research and presentations on contemporary ethical issues in light of the student's growing understanding of Christian ethics. Prerequisite: junior or senior standing or consent of instructor.
- Thl 481 World Missions 3**
An overview of the theology and practice of Christian missions including historical development, missionary methods, evangelism programs and paradigm shifts. Development of some skills in speaking the Gospel is included.
- Thl 483 Hymnody and Sacred Song 2**
(Mus 483) Survey of Christian hymnody and sacred song to develop awareness of the text and music treasures for both congregational and devotional use.
- Thl 484 Planning Music in Christian Worship 2**
(Mus 484) Practical study of planning music within the worship service. Students will draw upon their course experiences in theology, worship, history, arranging, performance and repertoire courses for creating and evaluating worship forms in the church today. Prerequisite: Thl 382; also suggested are Mus 331 or 482, 471, 481 and 483.

WRITING

- Wrt 231 Newspaper I 1**
An introduction to the practice of journalism, with emphasis on news writing, as well as production of *The Hilltop Herald*.
- Wrt 232 Newspaper II 1**
An introduction to the practice of journalism, with emphasis on news writing, as well as production of *The Hilltop Herald*.
- Wrt 331 Newspaper III 1**
Advanced experiences in the practice of journalism, with an emphasis on news writing, editing, and page layout, as well as production of *The Hilltop Herald*.
- Wrt 332 Newspaper IV 1**
Advanced experiences in the practice of journalism, with an emphasis on news writing, editing, and page layout, as well as production of *The Hilltop Herald*.
- Wrt 431 Newspaper V 1**
Advanced experiences in the practice of journalism, with an emphasis on news writing, editing, and page layout, as well as production and administration of *The Hilltop Herald*.
- Wrt 432 Newspaper VI 1**
Advanced experiences in the practice of journalism, with an emphasis on news writing, editing, and page layout, as well as production and administration of *The Hilltop Herald*.
- Wrt 324 Writing for Children and Teenagers 3**
Students will learn the principles, examine the market and write approximately ten pieces of fiction and non-fiction for children and teenagers. Prerequisite: Eng 102.

Wrt 325	Writing for the Workplace Study and practice of effective strategies for clear communication on the job. Course examines both written and oral business communication as well as using technology to access and share information. Prerequisite: Eng 102.	3
Wrt 327	Creative Writing An introduction to the art of writing poetry, fiction and/or drama. Students will explore creative writing techniques through writing practice, close analysis of published works and student workshops. Prerequisites: Eng 102 and 201.	3
Wrt 329	Non-Fiction Writing Examination and discussion of contemporary nonfiction, with practice in a variety of genres. Course includes analysis of nonfiction markets and the submission of work for publication. Prerequisite: Eng 102 or consent of instructor.	3
Wrt 427	Advanced Creative Writing More specialized than Wrt 327. Students receive additional practice in the genre of their choice. They will complete a polished work of creative writing consisting of one of the following: a novella; a collection of short stories; a play; or a collection of poetry. Prerequisite: Wrt 327 or consent of instructor.	3

ADDITIONAL EDUCATIONAL EXPERIENCES

The following individualized courses are independently-arranged academic and practical experiences that are available to the student only with the approval of a division or program area. The discipline prefix, number, title, description and credit units will be determined for each experience. Each experience must meet all academic standards of the institution.

— —	Individualized Study An arrangement between a student and the instructor to offer a course listed in the catalog at a time other than when it is normally offered. This arrangement is normally reserved for emergency situations and for transfer students unable to work courses offered every other year into their schedules. General education courses may not be taken by supervised study. Approval must be given by the dean of the appropriate School.	
— 499	Honors Course An educational experience reserved for students who have excelled in an academic discipline and who seek a challenging study and/or research experience beyond the scope of the curriculum. The student will typically suggest an area of interest and the instructor will assist in defining the parameters of the study. The study will typically result in a significant paper describing the experience and its findings.	1-3
— 390	Practicum Experience A practical experience outside the classroom that is directly related to the student's major, minor or professional program. It typically involves "hands-on" experience that is a beneficial complement to the student's academic experience.	1-3
— 490	Internship An intense practical experience outside the classroom that is an integral part of a professional program. This may be either a part-time or full-time experience that contributes significantly to the preparation of a student for entrance into a profession. Approximately 40 contact hours are required for each unit of credit.	3-8

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 Mrs. Molly Frick Wampler

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Mr. Richard J. Wendt

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Assistant to the President for International and Cultural Relations	Dr. Cheryl E. Williams

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Director, Writing Center

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Ex. Dir., CUI Foundation

Assistant VP, Development

Ex. Dir., Enrollment Services

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Prof. Sue Fleischli

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Prof. Ken Clavir

Faculty

PRESIDENT EMERITUS

Halm, D. Ray

English

Concordia Teachers College, Seward, NE, B.S., 1963. Ball State University, IN, M.A., 1966. Concordia Seminary, St. Louis, MO, Pastoral Colloquy, 1978. Pepperdine University, Irvine, CA, Ed.D., 1986. Concordia Theological Seminary, Fort Wayne, IN, D.D., 1987. Faculty: Concordia Teachers College, Seward, NE, 1966–71. Milwaukee Lutheran High School, WI, 1971–77. Concordia University

PROFESSORS EMERITI

Baden, Marian J.

Education

Concordia College, Seward, NE, B.S. in Ed., 1959; M.Ed., 1976. University of Nebraska, Lincoln, Ph.D., 1981. Faculty: Concordia College, Seward, NE, 1979 (summer). Concordia University since 1982. Associate Faculty, 1981-82.

Barnes, Robert D.

Business

Concordia Teachers College, Seward, NE, B.S. in Ed., 1957. National University, Irvine, CA, M.B.A., 1988. Faculty: Concordia Teachers College, Seward, NE, 1962–65. Walter A. Maier Memorial Lutheran High School, Los Angeles, CA, 1969–77. Concordia University since 1977.

Hartmann, Dale W.

*Associate Professor of Evangelism
University Archivist*

Concordia Teachers College, Seward, NE, B.S., 1954. University of Denver, CO, M.A., 1957. Faculty: Concordia Seminary, Springfield, IL, 1965–76. Concordia University since 1976.

Holtmeier, Ronald G.

Education

University of Nebraska, Lincoln, B.S., 1956. Cornell, Ithaca, NY, M.S.T., 1964. Concordia College, Seward, NE, Colloquy, 1967. Faculty: Concordia College and High School, Seward, NE, 1964–72. Luther High School North, Mt. Clemons, MI, 1972–74. Minneapolis Lutheran High School, MN, 1974–82. Martin Luther High School, St. Charles, MO, 1982–87. Concordia University since 1987.

Manske, Charles L.

Theology

Concordia Seminary, St. Louis, MO, B.A., 1954; M.Div., 1958. Washington University, St. Louis, MO, M.A., 1958. University of Southern California, Los Angeles, CA, Ph.D., 1979. Faculty: University of Southern California, 1958–73. Concordia University since 1973.

Marxhausen, Benjamin W.

Art

Concordia Teachers College, Seward, NE, B.S. in Ed., 1958. University of Minnesota, Minneapolis, M.A., 1969. Eastern Michigan University, Ypsilanti; University of California at Irvine. Concordia College, Seward, NE, LL.D., 1996. Faculty: Walther Lutheran High School, Chicago, IL, 1961–63. Concordia College, St. Paul, MN, 1965–88. Christ College Irvine, Visiting Professor, 1984–85. Concordia University since 1988.

Moon, Shang Ik

Sociology

St. John's College, Winfield, KS, A.A., 1957. Concordia Senior College, Ft. Wayne, IN, B.A., 1959. Concordia Seminary, St. Louis, MO, M.Div., 1963. Washington University, St. Louis, MO, M.A., 1966. St. Louis University, MD, Ph.D., 1970. Faculty: Fontbonne College, St. Louis, MO, 1966–70. University of Missouri (Associate Faculty), St. Louis, 1969–70. Concordia Senior College, Fort Wayne, IN, 1970–76. Concordia University since 1976.

Mueller, Roland M.*History*

Concordia College, River Forest, IL, B.S., 1951. University of Northern Colorado, Greeley, M.A., 1955. University of Kansas, Ph.D., 1978.
Faculty: St. John's College, Winfield, KS, 1956–86. Concordia University since 1986.

Nauss, Allen H.*Psychology and Counseling*

Concordia College, St. Paul, MN, A.A., 1942. Concordia Seminary, St. Louis, MO, B.A., 1944; M.Div., 1948. University of Oregon, Eugene, M.Ed., 1950. University of Missouri, Columbia, Ph.D., 1960.
Faculty: St. Paul's College, Concordia, MO, 1948–60. Concordia Theological Seminary, Springfield, IL and Ft. Wayne, IN, 1960–77. Concordia University since 1978.

Rahn, James, E.*Chemistry*

Concordia Teachers College, River Forest, IL, B.S. in Ed., 1959. Syracuse University, Syracuse, NY, M.S., 1967. St. Thomas College, St. Paul, MN, M.A., 1967. University of Northern Colorado, Greeley, Ed.D., 1976. Concordia Theological Seminary, Ft. Wayne, IN, Pastoral Colloquy, 1996.
Faculty: Concordia College and Academy, St. Paul, MN, 1961–78. Concordia University since 1978.

Schulz, Marlin W.*Education*

University of Minnesota, B.S. in Ed., 1956. Concordia College, River Forest, IL, Colloquy, 1960. University of Wisconsin, Milwaukee, M.S.Ed., 1966. University of Nebraska, Lincoln, Ph.D.Ed., 1972.
Faculty: Concordia Teachers College, Seward, NE, 1968–74. The Lutheran Church–Missouri Synod, Board for Parish Education, 1974–81. Concordia University since 1981.

FULL-TIME FACULTY**Abate, Eshetu***Professor of Theology*

Association of Theological Institutions, Eastern Africa, B.Div., 1980. Mekane Yesus Seminary, Addis Ababa, Ethiopia, B.Th., 1981. Concordia Seminary, St. Louis, MO, S.T.M., 1986; Th.D., 1988.
Faculty: Mekane Yesus Seminary, Addis Ababa, Ethiopia, 1988-01. The Bible Society of Ethiopia, Addis Ababa, Ethiopia, 2001-02. Concordia University since 2002.

Adhanom, Abraham K.*Assistant Professor
of Information Technology*

Biola University, LaMirada, CA, B.S., 1998; M.A., 2001.
Faculty: Concordia University since 2001.

Bachman, James V.*Professor of Philosophy/Ethics
Dean, School of Theology*

Valparaiso University, Valparaiso, IN, B.S., 1968. Cambridge University, England, M.A., 1970. Concordia Seminary, St. Louis, MO, M.Div., 1972. Florida State University, Tallahassee, FL, Ph.D., 1986.
Faculty: Lake City Community College, Lake City, FL, 1971-81; Florida State University, Tallahassee, FL, 1986-89; Valparaiso University, Valparaiso, IN, 1989-99. Trembeth Professor, 2004-05. Concordia University since 1999.

Bachman, Susan O.*Professor of Rhetoric*

Valparaiso University, Valparaiso, IN, B Gainesville, FL, M.A., 1974. Florida State University, Tallahassee, FL, Ph.D. 1996.
Faculty: Adjunct, Lake City Community College, Lake City, FL, 1971-79; Tallahassee Community College, Tallahassee, FL, 1986-88; Adjunct, Valparaiso University, Valparaiso, IN, 1989-92, 1996-97; Purdue University, North Central, Westville, IN, 1992-95; Guest Instructor, Concordia Seminary, St. Louis, MO, 1997-98. Concordia University since 1999.

Beck, Gretchen J.*Associate Professor of Art
Director, Art Department*

Valparaiso University, Valparaiso, IN, B.A., 1992; University of Iowa, Iowa City, IA, M.A.A., 1998, M.F.A., 1999.

Faculty: Taproots Association, St. Louis, MO, 1996-98; University of Iowa Art Share, Iowa City, IA, 1998-99. Concordia University since 1999.

Benda, Brooke K.*Resident Faculty in Sociology*

Southern California College, B.A., 1998; Vanguard University, M.S., 2000.

Faculty: Associate faculty, Concordia University, Irvine, since 2001. Concordia University since 2004.

Bordeaux, Joseph A.*Professor of Education**Associate Dean, School of Education*

George Williams College, Downers Grove, IL, B.A., 1969. Loyola University, Baltimore, MD, M.Ed., 1981. St. Louis University, MO, Ph.D., 1994.

Faculty: Immanuel Lutheran School, Baltimore, MD, 1972-79. St. Paul Lutheran School, Hilton, NY, 1979-84. Washington Lutheran School, St. Louis, MO, 1984-91; 1999-02. Lindenwood University, St. Charles, MO, 1991-99. Concordia University since 2002.

Borst, Katharine F.M.*Assistant Professor of English*

Christ College Irvine, CA, B.A., 1988. St. Louis University, MO, M.A., 1991; Ph.D.

Candidate, 1997.

Faculty: Graduate Teaching Assistant and Inroads Lecturer of English, St. Louis University, MO, 1991-92. Sacramento Lutheran High School, CA, 1993-94. Concordia University since 1994.

Brighton, Mark A.*Assistant Professor of Biblical
Languages and Theology*

Christ College Irvine, CA, B.A., 1981. Concordia Seminary, St. Louis, MO, M.Div., 1986.

University of California at Irvine, M.A., 1993; Ph.D. Candidate., 2003.

Faculty: Christ College Irvine, 1982-83 and Concordia University since 1986.

Brown, Jacqueline Y.*Assistant Professor of History*

Pacific Union College, B.A., 1970. California State University at Long Beach, M.A., 1991.

Faculty: Adjunct, Cerritos Community College, CA, 1991; Cypress College, CA, 1992-94.

Concordia University since 1993.

Browne, Scott E.*Associate Dean, School of Business**Associate Professor of Business**Director, Undergraduate Business Programs*

University of California at Irvine, B.A., 1978; M.B.A., 1982; Nova Southeastern University, North Miami Beach, FL, DBA, 2003.

Faculty: Adjunct, California State University at Fullerton, Loyola Marymount University, Los Angeles, CA, University of California at Irvine, 1990-94. Concordia University since 1993.

Bruening, Michael W.*Assistant Professor of History*

University of Virginia, Charlottesville, B.A., 1992; M.A., 1994; University of Arizona, Tucson, Ph.D., 2002.

Faculty: Concordia University since 2002.

Burkhart, Tammie L.*Assistant Professor of Business*

Concordia University, Irvine, CA, B.A., 1995; Pepperdine University, Malibu, CA, M.B.A., 2001.

Faculty: Adjunct, Concordia University, 2001. Concordia University since 2002.

Busby, Thomas D.*Resident Faculty in Business*

Loyola University, Los Angeles, CA., B.A., 1968. Central Missouri State University, Warrensburg, M.A., 1970.
 Faculty: Adjunct, University of California Extension, Irvine, 1993-present. Chapman University, Orange, CA, 1993-present. University of Maryland, Labrador, Canada, 1971-72. Saddleback College, Mission Viejo, CA 1974-76, 1999. Adjunct, Concordia University, 1997-01. Concordia University since 2001.

Busch, Michael L.*Associate Professor of Music**Director, Choral Activities**Director, Parish Music Program*

San Jose State University, CA, B.M., 1987. M.A., San Jose State University, CA, 1989.
 University of Colorado, Boulder, D.M.A. 1999.
 Director of Music/Music Teacher, Lutheran Church of Our Savior, Cupertino, CA, 1987-89.
 Director of Music Ministries, St. John's Lutheran Church, Denver, CO, 1989-96. Concordia University since 1996.

Cattau, Curt W.*Assistant Professor of Exercise & Sport Science*

Concordia College, Seward, NE, B.S. 1973. University of Wisconsin, Milwaukee, M.S., 1989.
 University of New Mexico, Albuquerque, Ph.D. candidate, 2000.
 Faculty: Martin Luther High School, Milwaukee, WI, 1973-91. Concordia University since 1991. Concordia University Foundation Athletic Director for Development, 2001-03.

Clavir, Kenneth R.*Faculty without Rank**Dean of Academic Records*

Concordia University, Irvine, CA, B.A., 1993, M.A.Ed., 2004
 Faculty: Bethany Lutheran School, Long Beach, CA, 1994-1997. Staff: Concordia University, Irvine, 1997-2004. Concordia University since 2004.

Cosgrove, Jennifer L.*Professor of Psychology*

California State University at Fullerton, B.A., 1982; M.S., 1984. U.S. International University, San Diego, CA, Ph.D. 1991.
 Faculty: Adjunct, Concordia University, 1986-87. Concordia University since 1987

Crosby, Glenn A.*Visiting Professor of Chemistry**and Chemical Physics*

Waynesburg College, PA, B.A., 1950. University of Washington, Seattle, Ph.D., 1954.
 Postdoctoral Research Associate, University of Florida Chemistry Department, Tallahassee, 1954-1957.
 Faculty: University of New Mexico, 1957-67; University of Washington, Seattle, 1967-03.
 Washington State University, Pullman, 1967-01. Concordia University since 2003.

Doering, Dwight R.*Associate Professor of Education*

Concordia College, River Forest, IL, B.A., 1980. University of Missouri, St. Louis, M.A., 1986. Georgia State University, Atlanta, Ph.D., 1998.
 Faculty: Our Savior Lutheran School, New Orleans, LA, 1980-81; Green Park Lutheran Association, St. Louis, MO, 1981-1987; Duluth Middle School, Gwinnett County, GA, 1987-89; Teaching Assistant, Research Assistant and Research Associate, Georgia State University, Atlanta, 1992-99. Concordia University since 2000.

Ebel, Kenneth K.*Professor of Biology**Director, Pre-Medical Professions Program*

Concordia College, Seward, NE, B.S., 1968. University of Wisconsin, Eau Claire, M.S.T., 1976. University of North Dakota, D.A., 1989.
 Faculty: Milwaukee Lutheran High, Milwaukee, WI, 1968-80. Concordia University since 1980.

Fleischli, M. Sue*Assistant Professor of Spanish
Academic Advisor*

Ohio University, Athens, B.A., 1966; M.A., 1968.

Faculty: Teaching Assistant; Ohio University, Athens, 1967–68. Anaheim Union High School District, Anaheim, CA, 1968–72. Associate faculty, Concordia University 1977–88. Concordia University since 1988.

Flores de Apodaca, Roberto*Professor of Psychology*

Sarah Lawrence College, Bronxville, NY, B.A., 1974. University of Rochester, NY, M.A., 1978; Ph.D., 1979.

Faculty: California State University, Long Beach, 1978-01. Concordia University since 2001

Gavin, Thea L.*Assistant Professor of English*

Concordia University, Irvine, B.A., 1995. California State University, Fullerton, M.A., 1997.

Faculty: Adjunct, Concordia University Irvine, 1996-98. Concordia University since 1998.

Gaylor, Diane C.*Assistant Professor of Library Information Systems**Director, Library Services*

Christ College, Irvine, CA, B.A., 1989. San Jose State University, CA, M.L.I.S., 1998.

Staff: Concordia 1988-01. Faculty: Concordia University since 2001.

Geisler, Herbert G., Jr.*Professor of Music**Chair, Fine Arts Division**Director, Music Activities*

Concordia Teachers College, River Forest, IL, B.A., 1971; M.A.Ed., 1974. University of Michigan, Ann Arbor, Ph.D., 1990.

Faculty: Concordia Lutheran Middle School, Hong Kong, 1971–75. Director of Music, University Lutheran Chapel, Ann Arbor, MI, 1975–79. Graduate teaching assistant, University of Michigan, Ann Arbor, 1976–78. Lutheran High School West, Detroit, MI, 1978–79. Director of Music, St. Luke Lutheran Church, Ann Arbor, MI, 1979–88. Concordia College, Ann Arbor, MI, 1979–88. Concordia University since 1988.

Habel, Lowell W.*Resident Faculty in Communication*

University of Toledo, OH, B.A., 1980; University of California, Santa Barbara, M.A. 1983.

Faculty: Orange Coast College, Costa Mesa, CA (part time), 1992-present; University of California, Los Angeles (part time), 1992-present; University of California, Irvine (part time), 1992-present; Ithaca College, Los Angeles, CA (part time), 1995-present. Associate faculty, Concordia University, Irvine, since 1996. Concordia University since 2004.

Harms, Richard H.*Professor of Business*

University of Northern Colorado, Greeley, B.S., 1960. University of Southern California, Los Angeles, M.S., 1968. University of California, Riverside, Ph.D., 1975.

Faculty: Riverside City Schools, Riverside, CA, 1960–63. Rancho Santiago Community College District, Santa Ana, CA, 1970–88. Concordia University since 1988.

Hoffman, Patricia A.*Professor of Family Studies*

Concordia College, River Forest, IL, B.A., 1976; M.A., 1983. University of Wisconsin at Madison, Ph.D., 1997

Faculty: Concordia University, Mequon, WI, 1989–93. Concordia University since 1993.

Jimenez-Silva, Margarita*Associate Professor of Education*

Concordia University, Irvine, CA, B.A., 1990. Harvard University, Cambridge, MA., Ed.M., 1992; Ed.D., 2002.

Faculty: Graduate Assistant, University of California, Berkeley, 1994-96. Jingtow Charter School, Oakland, CA., 1994-96. Concordia University since 1997.

Kemp, Robert B.*Resident Faculty in History**Director, Pre-Law Program*

Wabash College, Crawfordsville, IN, B.A., 1967. University of Chicago, IL, M.A., 1969; Ph.D., 1973.

Faculty: The Claremont Colleges, CA, 1972–76; Harvard–M.I.T., Cambridge, MA, 1976–79. Adjunct, Concordia University, 1989–94. Concordia University since 1994.

Kenney, John W., III*Professor of Chemistry
and Chemical Physics*

University of Nevada, Reno, B.S., 1972. University of Utah, Salt Lake City, Ph.D. 1979.
 Postdoctoral Research Associate: Chemical Physics Program, Washington State University,
 Pullman, WA, 1979-81.
 Faculty: Director, Science Learning and Instructional Center, Washington State University,
 Pullman, WA, 1979-80. Faculty Research Affiliate, Los Alamos National Laboratory, NM,
 1987-99. Summer Faculty Research Affiliate, U.S. Air Force High Energy Density Materials
 Program, Edwards AFB, CA, 1987, 1989, 1995. Visiting Research Professor, University of
 Nevada, Reno, 1993 and University of New Mexico, Albuquerque, 2000. Associate Professor,
 Eastern New Mexico University, Portales, 1982-01. Concordia University since 2001.

Krueger, Kurt J.*Professor of English
Provost*

Valparaiso University, Valparaiso, IN, B.A., 1970. Concordia Teachers College, River Forest,
 IL, Colloquy, 1971. Lewis and Clark College, Portland, OR, M.A.T., 1974. Marquette
 University, Milwaukee, WI, M.A., 1984. Indiana University, Indiana, PA, Ph.D., 1996.
 Faculty: Concordia College Wisconsin, Mequon, 1980-86. Concordia University since 1986.

Krüger, Niclas T.*Resident Faculty in Art*

Art Institute of Southern California, Laguna Beach, CA, B.F.A., 1995; California State
 University, Fullerton, M.F.A., 2002.
 Faculty: Laguna College of Art and Design, Laguna Beach, CA, 1998-present; California State
 University, Fullerton, 2001-02; Irvine Valley College, Irvine, CA, 2002-03. Concordia
 University since 2003.

Lee, Adam R.*Assistant Professor of English Education
Instructor, Shenzen Teacher Training Program*

Concordia University, Irvine, CA, B.A., 1992; University of St. Thomas, St. Paul, MN,
 M.A., 1994.
 Faculty: Chonbuk National University, Jeonju, Republic of Korea, 1995-97; Sohae College,
 Gunsan, Republic of Korea, 1998-02; Kunsan National University, Republic of Korea, 2002-
 04. Concordia University since 2004.

Leising, Rachel L.*Assistant Professor of Graphic Design*

Concordia University, Seward, NE, BFA, 2000. Iowa State University, Ames, MFA, 2004.
 Faculty: Iowa State University, College of Design, Ames, teaching assistant, 2001-03; gradu-
 ate assistant 2004. Concordia University, Irvine, since 2004.

Maas, Korey D.*Assistant Professor of Theology*

Concordia University, River Forest, IL, BA, 1993; Concordia Seminary, St. Louis, MO, M.Div.,
 1998, STM, 1999; St. Cross College, University of Oxford, England, Ph.D., 2005.
 Assistant Pastor: Resurrection Lutheran Church, Cambridge, England, 2004-2005.
 Faculty: Concordia University, Irvine, CA (graduate assistant in Theology) 1999-01.
 Concordia University, Irvine, since 2005.

Mangels, Kenneth E.*Professor of Mathematics
Dean, School of Arts and Sciences*

Concordia Teachers College, Seward, NE, B.S., 1968. Colorado State University, Ft. Collins,
 M.A.T., 1973. University of Texas, Austin, Ph.D., 1992.
 Faculty: Martin Luther High School, Milwaukee, WI, 1968-84. Concordia University
 since 1984.

Massmann, Janice C.*Assistant Professor of Education
Director, Liberal Studies Program*

Concordia College, Seward, NE, B.S., 1969; Concordia University, Irvine, CA, M.A., 1990.
 Argosy University, Orange, CA, Ed.D. 2004.
 Faculty: St. Paul's Lutheran School, Orange, CA, 1969-71; Trinity Lutheran School, Paso
 Robles, CA, 1981-84; Grace Lutheran School, Escondido, CA, 1984-91; Zion Lutheran
 School, Fallbrook, CA, 1991-95; Christ Lutheran School, Costa Mesa, CA, 1995-99.
 Concordia University since 1999.

Massmann, Paul F.*Assistant Professor of Instructional Technology**Director, Center for Excellence in Learning and Teaching (CELT)*

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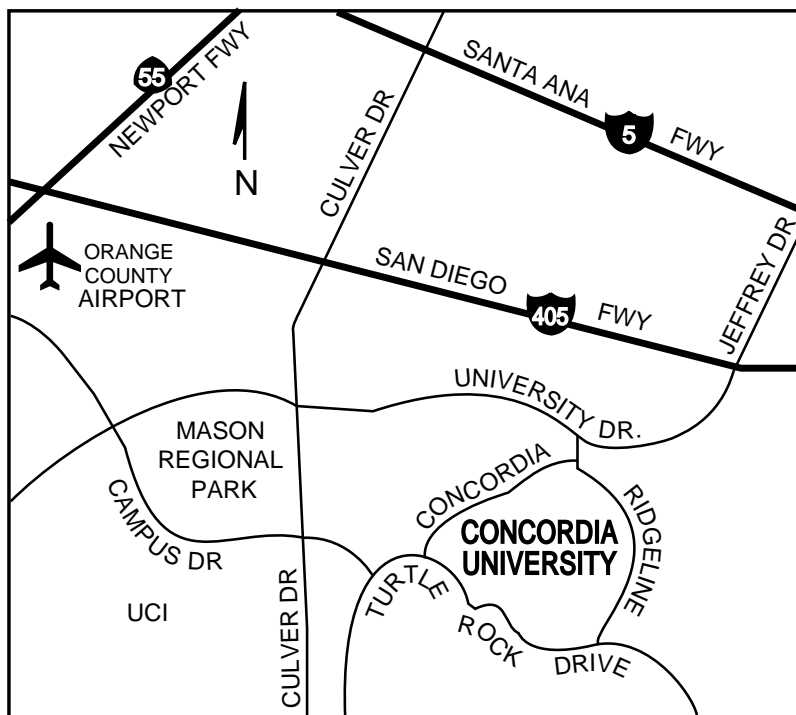
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MAP NOT TO SCALE

Directions from Culver

1. Take 405 or 5 freeway
2. Take Culver south to Campus Dr.
3. Left turn on Campus to Turtle Rock Dr.
4. Left turn up hill
5. Left turn at Concordia West

Directions from Jeffrey

1. Take 405 or 5 freeway
2. Take Jeffrey south which becomes University Dr.
3. Left turn at Ridgeline Dr.
4. Right turn at Concordia East

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Concordia University Irvine Alumni Association (CUIAA) serves all alumni of the university and is led by alumni volunteers and the office of Alumni Relations. The CUIAA encourages and promotes alumni participation in the Concordia community through service and leadership in various events, activities and programs that benefit the university and its students. The CUIAA organizes events and activities across the nation, communicates regularly with alumni. Promotes alumni giving and estate planning to support student scholarships and encourages alumni volunteerism throughout the university.

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