



2009-2010

General Education Requirements and PSEO Recommendations

Why are there GENERAL EDUCATION REQUIREMENTS?

General Education Requirements/Core Curriculum

Concordia University requires, as do many other accredited liberal arts institutions of higher learning, a core of general courses (48-49 credits) that all students must take to fulfill their 128 credit degree requirements. These classes have been specifically chosen to help students learn to write well, speak well and develop problem-solving skills. The core curriculum requirements are listed below. You can find them also on our web address:

<http://concordia.csp.edu/portal/students/index.html>

GENERAL EDUCATION REQUIREMENTS	
English: Literature & College Writing	2 courses (8 credits)
Communication	1 course (4 credits)
Bible and Faith	2 courses (7-8 credits)
Fine Arts	2 courses (4 credits)
History & Political Science	1 course (4 credits)
Global Studies	1 course (4 credits)
Health & Physical Education	1 course (3 credits)
Math & Science	3 courses (9 credits)
Social & Behavioral Science	1 course (4 credits)

Before you attend your assigned advising/registration session, you will take a math assessment. Your score will then be used by your registration advisor for the day to make sure you take the right level of math.

The following guidelines are designed to help you decide which courses are most appropriate for you.

Advanced Placement (AP) Program or International Baccalaureate (IB) Program

If you have taken advanced placement (AP) courses in high school, you have a chance to earn college credit for those courses if you get a grade of 3 or higher on the AP examination. (You must have taken the AP Exam to get

AP college credit.) Be sure to request that your exam scores be sent to Concordia. There may also be some credit available to you through the IB program. Contact your admissions counselor or the Registrar's Office at (651) 605-6300 with questions about what course credits you might qualify for.

◆ ENGLISH 8 credits needed

To fulfill Concordia's general education requirements for writing, literature, you must take:

ENG120 College Writing 4 credits

This class is a required core course. It will help develop your writing and research skills. You may take ENG120 at the same time you take ENG155 or COM103.

ENG155 Introduction to Literature 4 credits

This is a required core course. You may take ENG155 at the same time you take ENG120, COM103 or COM212. You may be placed in any of the following writing courses. Any of these courses need to be completed before taking the ENG 120 writing course.

ENG100 Introduction to College Writing 4 credits

If your Writing sample indicates that you need ENG100, you must take this course before you enroll in ENG120.

ENG112 Fundamentals of Writing 4 credits

(Elective credit) You can take this course if you want to (or need to) improve grammar. In addition, if you are a student whose first language is not English and you have been in the United States school system no longer than 7 years, you will be placed in ENG112. You must take ENG112 before you can take ENG120.

◆ COMMUNICATION 4 credits required

Either of these classes will help you develop your speaking and relationship skills that are so important in today's world.

COM103 Communication Fundamentals 4 credits

COM212 Public Speaking & Performance 4 credits

You may take communication courses at the same time you take an English course.

◆ MATHEMATICS AND NATURAL SCIENCE

You will need to take a minimum of 3 credits each of Biology, Physical Science, and Math

MATHEMATICS

Students choose courses below based on high school mathematics background, interests, and anticipated program requirements. All students will take a Math Assessment during PSEO registration to determine which math course is appropriate.

Students who have successfully completed a year of high school algebra and a year of geometry or two years of algebra should be prepared for MAT101, MAT110 and MAT125. Students who have successfully completed high

school pre-calculus or analysis should be prepared for MAT135.

Students whose high school mathematics background indicates insufficient preparation for success will be required to complete a math class at their respective high school **first** before enrolling in MAT101 **or** take MAT100 Intermediate Algebra first before enrolling in MAT110 or MAT125.

MAT100 Intermediate Algebra 3 credits
This course is designed to build confidence in mathematics in order to succeed in college level math courses. Based on your math assessment scores and high school grades, you may be placed in this class to prepare you for other required courses. This course **will** count towards graduation credits but **does not** fulfill the general education requirement. It also may not fulfill your high school requirement since it is only 3 credits.

MAT101 Contemporary Mathematics 3 credits
This course is designed to give the liberal arts student an experience in contemporary mathematics with emphasis on its connection to society. The concepts include management science, statistics, coding, social choice and decision-making, and geometric size and shape.
(Prerequisite: two years of high school algebra or equivalent)

MAT110 Introduction to Probability and Statistics 3 credits
This course introduces probability and statistics to students whose main interest is not mathematics or science. Explorations of fundamentals topics from probability and descriptive and inferential statistics are included.
(Prerequisite: MAT100 or two years of high school algebra or equivalent)

MAT 125 Precalculus 4 credits
This course emphasizes functions and their applications. The first section includes graph investigations and solutions of the algebraic functions including polynomial, rational, and root functions. Exploration continues with the transcendentals including exponential, logarithmic and trigonometric functions. Additional topics include vectors, polar coordinates and conic sections. This course is good preparation for Calculus and for those students who will encounter functions in their course of study.
(Prerequisite: two years of high school algebra or equivalent).

MAT135 Calculus I 4 credits
This course explores the concepts of limit and continuity, investigates techniques of differentiation and its applications, introduces integration, and provides the framework for the Fundamental Theorem introduced throughout the course. (Prerequisite: MAT125 or equivalent background)

BIOLOGY

The following information will help you select the biology course or courses in preparation for your major. In addition, you should review the course catalog descriptions

and note which general education courses serve as prerequisites for which upper level courses.

BIO100 Biology Today 3 credits
This course challenges students to confront, evaluate, and integrate the major discoveries and principles of the biological sciences within their worldview as members of contemporary society. Future educators can take this course, and any one, excluding science majors, can use this class to meet the general education requirement.

BIO120 The Unity of Life 4 credits
Emphasizing inquiry and investigation, this course introduces students to the discoveries that support the unifying theories of modern biological science. Topics considered include the nature and methods of modern biological science; the basis of life in terms of matter, energy, cells, genetics, and reproduction; and the impact of evolution on the unity of life. All pre-med students, regardless of their major, should take this course.
Recommended prerequisites: one year of high school biology and chemistry and four years of high school mathematics.

BIO130 The Diversity of Life 4 credits
Current and competing hypotheses explaining the origin, development, and maintenance of the Earth's biodiversity are critically evaluated. Employing a phylogenetic approach and emphasizing the Eukaryota, the major lineages of life are surveyed and compared by considering evolutionary trends and the relationships between structure and function within and among lineages. This course may be taken before BIO 120 but it is recommended for all science majors. *Recommended prerequisites: one year of high school biology and chemistry and four years of high school mathematics.*



PHYSICAL SCIENCE 3 credits minimum required
The following information will help you select the physical science course or courses, which best prepare you for your major.

CHE110 Chemistry in Perspective 3 credits
Chemistry principles will be developed on a “need-to-know” basis within the context of selected societal problems. Class format will encourage students to contribute knowledge from non-scientific fields to expand the base of applicability. This course is designed for the non-science major, and may not be used for credit in any of the science majors or minors.

CHE115 General Chemistry I 4 credits
All students interested in careers in biology, chemistry, medicine, dentistry, pharmacy, allied health fields such as physical therapy, nursing, physician’ assistant, engineering, veterinary science, environmental science or students undecided should take this course which is the first of a two semester sequence. It can also be taken as

part of a chemistry concentration for elementary teaching majors.

PHS111 Principles of Physics 3 credits

This course is for students who have not had Physics in high school. It is largely hands-on learning and is useful for elementary teaching, religion, business and theater majors. All students (who have not had Physics in high school) interested in environmental science, kinesiology, physical education, any biology or chemistry field or undecided students should take this course.

PHS112 General Physics I (Trigonometry based) 5 credits

This course can be taken by students interested in a career in medicine. Topics covered included mechanics, heat, wave motion, electricity, magnetism and modern physics. A variety of equipment is used, including the computer. It can also be taken as part of a physics concentration for elementary teaching majors.

ENV120 Intro to Environmental Science 3 credits

This course introduces the student to factors influencing the quality of the environment, ecological principles and their relationship to population growth, pollution, resource allocation and depletion, conservation, and technology. This course will make use of the Concordia University Natural science Station as an outdoor laboratory.

ESC140 Observational Astronomy 3 credits

The course introduces the student to observation of the sky. It is taught each semester and during the summer. Constellations, light, planets, the sun, the moon and stars are some topics considered. This course or the following ESC120 is useful for elementary teaching majors, outdoor education majors, Director of Christian Education majors and all students with an interest in astronomy.

ESC120 Observational Geology 3 credits

Computers and guided field trips are part of the course. The geology of Minnesota is examined. Rocks, minerals volcanoes and earthquakes are some topics considered. This course or ESC 140 is useful for teaching majors, outdoor education majors, Director of Christian Education majors, and all students with an interest in geology.

◆HEALTH & PHYSICAL EDUCATION 3 cr. required

KHS110 Health and Human Movement 3 credits

This course is designed to foster and promote healthy attitudes, behaviors and skills, which develop informed healthy living and enlightened care for self. This one class fulfills the general education requirement.

◆FINE ARTS 4 credits required

Choose two out of the three 2 credit courses. These courses are intended to give you a very broad base of knowledge in the arts and more than one can be taken in one semester.

ART 101 Approaching Art (7 weeks) 2 cr

MUS120 Music and the Human Experience 2 cr

ART101 and MUS120 are needed to fulfill the Minnesota teacher licensure requirements. If you are interested in an art major you should take ART101 and ART102 2D design in your first semester.

THR101 Introduction to the Theatre Arts (7 wk) 2 cr

It is *strongly recommended* that these fine art courses be taken in the freshman or sophomore year.

Students interested in drama are advised to take the THR101 course in the fall. This is a prerequisite to the major and minor. **Auditions for theatrical productions are posted on the call board in the theatre.**



Any student intending to major or minor in music, should take the “**Music Placement Examination**” offered at the PSEO registration and in October. If the student has little or no music background, or the survey indicates a need, the student should register for **MUS101 Basic Musicianship** at the earliest opportunity.

Private lessons are available at the 800 level in voice, piano and instrument for ½ hour for the additional fee of \$200.00 a semester. Auditions are available during orientation week or at other times as specifically noted. Contact Dr. David Mennicke (651-641-8248) or mennicke@csp.edu for further help.

◆GLOBAL STUDIES 4 credits required

There are many choices available. The basic tenet is that the course should expand the student’s knowledge of a culture or language other than the student’s native language or culture.

◆HISTORY & POLITICAL SCIENCE 4 cr. required

HIS212 Introduction to History 4 credits

INT111 Western Civilization to 1648 4 credits

INT113 Western Civ since the Reformation 4 credits

POL131 American Government 4 credi

◆SOCIAL & BEHAVIORAL SCIENCE 4 cr. required

SOC152 Introduction to Sociology 4 credits

PSY101 Introduction to Psychology 4 credits

Some majors require both of these classes.

HELPFUL SERVICES on CAMPUS

The Business Enrollment Advising Registration Center or The B.E.A.R. Center AD 124

The name comes from the University's athletic teams who are called the Golden Bears. The **BEAR Center** has all the resources you need to answer any of your financial aid, payment plan, enrollment, or registration questions in a one-stop shop.

STUDENT SUPPORT SERVICES (SSS)

<http://concordia.csp.edu/portal/students/index.html>

◆ COUNSELING SERVICES	Dining Hall 310	Amy Swanson	651-641-8252
◆ DISABILITY SERVICES	Luther Tunnel 115	Disabilities Specialists	651-641-8272 (V) 651-603-6222 (TTY) Melissa Fletcher or Josie Hurka
◆ LEARNING SERVICES	Luther Tunnel 113	Jan Baumgart	651-641-8769
● TUTORING	AD 121-02	Renee Rerko	651-603-6318.
◆ <u>NURSE</u>	Dining Hall 3 rd floor	Nurse Rafferty	651-641-8235
◆ <u>THE WRITING CENTER</u>	Luther Hall 116	Lisa Whalen	651-603-6233
◆ <u>PSEO ADVISING</u>	AD121-01 AD121-02	Rosie Braun Renee Rerko	651-641-8708 or 651-603-6318



Remember:

Your books are provided for you, but must be returned at the end of each semester in order to get transcripts released to your high school.

VERY IMPORTANT: Each semester you will need a **new** MN State PSEO form signed by your HS Counselor.