

# Augustana Faculty

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# Augustana Faculty

Located on a picturesque residential campus in the small city of Camrose, 90 kilometres southeast of Edmonton, Augustana's primary focus is undergraduate teaching and learning. Augustana enrolls more than 1,000 students, drawn from across Alberta, Canada and the world, in distinctive degree programs in arts, sciences, music and management. It awarded its first U of A degrees in spring 2005. In addition to the Faculty's statement of identity and mission below, please consult the Augustana website at [www.augustana.ualberta.ca](http://www.augustana.ualberta.ca) for further information.

## Identity and Mission

Established in 1910 by Norwegian settlers, under the name Camrose Lutheran College, Augustana is still inspired by convictions that are part of its pioneer legacy: that personal wholeness emerges from a liberal education, that the proper end of leadership is service to others, and that the spirit of cooperation so crucial to rural life invigorates human endeavour. As a Faculty of the University of Alberta, Augustana continues to build on its reputation for high-quality teaching in a friendly, caring, residence-based setting. In doing so, it provides a distinctive small-campus undergraduate experience within one of Canada's leading universities. Augustana remains mindful of its heritage, open to a diversity of perspectives and backgrounds, and responsive to the rural region in which it is located.

Augustana Faculty is characterized by a lively, collegial academic culture of research, creativity, and public engagement in which students are invited to participate. It values interdisciplinary inquiry, teaching, and learning. Augustana offers the opportunity of a memorable, life-changing education through small classes, personal attention from professors, a challenging, innovative curriculum founded on the liberal arts and sciences, experiential learning in wilderness and international environments, and a range of campus-life programs. In this academic community, students are more than narrow specialists, spectators, or strangers.

Augustana aspires to educate the whole person in an intimate, small-campus setting so that students and mentors alike are capable of engaging life with intellectual confidence and imaginative insight, equipped for leadership and service, and committed to the betterment of their world.

# The Professors

## Members of the Faculty

### Officers of the Faculty

#### Dean and Executive Officer

A Berger, PhD

#### Vice-Dean

KI Misfeldt, PhD

#### Associate Dean, Academic

K Mündel, PhD

#### Associate Dean, Research

R Harde, PhD

#### Associate Dean, Teaching

JC Wesseliuss, PhD

#### Assistant Dean, Advancement

D McIntosh, MPR

#### Assistant Dean, External Relations

TE Hanson, BA

#### Assistant Dean, Finance and Administration

JB Smith, BCom, CPA, CMA

#### Chester Ronning Centre for the Study of Religion and Public Life

ID Wilson, PhD - Director

#### Alberta Centre for Sustainable Rural Communities

LK Hallstrom, PhD - Director

## Faculty Departments

### Fine Arts and Humanities

#### Associate Professor and Chair

A Carpenter, PhD (Music)

#### Professors

R Harde, PhD (English)

KB Harde, MVA (Art)

PE Johnson, MA (Drama)

KI Misfeldt, PhD (German)

MR Schlosser, DMus (Music)

K Sutley, MFA (Drama)

#### Associate Professors

KA Corcoran, MMus (Music)

JPH Forrest, MFA (Art)

LA Ries, DMus (Music)

IK Urberg, PhD (Scandinavian Studies)

JC Wesseliuss, PhD (Philosophy)

#### Assistant Professors

B Alakas, PhD (English)

AL Korda, PhD (Art History)

SS Oliver, PhD (English)

EL Sutherland, PhD (Cultural Studies)

JR Wiebe, PhD (Religion and Ecology)

ID Wilson, PhD (Religious Studies)

### Science

#### Professor and Chair

PK Berg, PhD (Mathematics and Physics)

#### Associate Professor and Associate Chair

D Audet, PhD (Biology)

#### Professors

NC Haave, PhD (Biology)

WW Hackborn, PhD (Mathematics and Computing Science)

GA Hood, PhD (Environmental Science/Studies)

GT Hvenegaard, PhD (Geography)

#### Associate Professors

IR Blokland, PhD (Physics and Mathematics)

SL Gares, PhD (Biology)

JK Kariuki, PhD (Chemistry)

GM Lotz, PhD (Physics and Mathematics)

B Rempel, PhD (Chemistry)

J Sylvestre, PhD (Mathematics)

T Terzin, PhD (Biology)

#### Assistant Professors

M-Y Kim, PhD (Computing Science)

GM King, PhD (Environmental Science/Studies)

EG McGinitie, PhD (Chemistry)

ACS McIntosh, PhD (Biology)

### Social Sciences

#### Professor and Chair

G Dipple, PhD (History)

#### Associate Professor and Associate Chair

TBA

#### Professors

A Berger, PhD (Anthropology)

WM Foster, PhD (Management)

LK Hallstrom, PhD (Political Studies)

SL Lorenz, PhD (Physical Education)

PF Marentette, PhD (Psychology)

GB Osborne, PhD (Sociology)

TW Parker, PhD (Psychology)

#### Associate Professors

M Asfeldt, MSc (Physical Education)

Y Fahmy, PhD (Economics)

KC Hatt, PhD (Sociology)

VA Manaloor, PhD (Economics)

M Méthot, PhD (History)

TH Milbrandt, PhD (Sociology)

P Mirejovsky, PhD (History)

SE Moore, PhD (Psychology)

K Mündel, PhD (Global and Development Studies)

R Purc-Stephenson, PhD (Psychology)

SC Rein, PhD (Political Studies)

GD Snyder, MSc (Physical Education)

SC Wilton, PhD (Political Studies)

### Assistant Professors

F Bastien, PhD (Management)

D Coraiola, PhD (Management)

C-YJ Liao, PhD, (Physical Education)

DCF Sims, PhD (History)

JE Yardley, PhD (Physical Education)

## Additional Members of Faculty Council

### President and Vice-Chancellor

D Turpin, CM, LLD, FRSC

### Vice-Provost & University Registrar

LM Collins

### Administrative Officers

MT Burnett, MBA

CA Blades, CEFM

JD Hawkins, MA

CL Person, MA

B Urkov, CFRE

### Head Librarian - Augustana

NE Goebel, M LIS

### Public Services Librarians

KP Blizzard, M LIS

PJ Neff, M LIS

### Augustana Chaplain

CE Wentland, MA

### Augustana Director of Athletics

G Ryan, MKin, ChPC

### Augustana Technology and Learning Services Team Lead

NT Skretting, BSc

### Faculty of Education

1 Representative

### Faculty of Nursing

1 Representative

### Faculty of Rehabilitation Medicine

1 Representative

### Sessional Staff

2 Representatives - 1 Full-Time, 1 Part-Time

### Non-Academic Staff

2 Representatives

### Student Representatives

President, Augustana Faculty Students' Association

4 Additional Representatives, 1 from each of Fine Arts, Humanities, Science, and Social Sciences

## Programs of Study

Augustana Faculty offers five degree programs:

- Bachelor of Arts (BA)
- Bachelor of Management in Business Economics (BMgt)
- Bachelor of Music (BMus)
- Bachelor of Science (BSc)
- Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana)

See Augustana Faculty for Admission Requirements and see Programs for Major and Minor Requirements

The University of Alberta Faculty of Nursing also offers a Bachelor of Science in Nursing After Degree Program on the Augustana Campus in Camrose - see BScN—After Degree Program.

### Classification of Degree Programs

Academic disciplines at the Augustana Faculty are organized into three departments for administrative purposes: Fine Arts and Humanities, Science, and Social Sciences. The following programs are available within these departments:

### Program Areas with Available Majors and Minors

Areas Available	BA Major	BSc Major	BMgt Major	BMus Major	BSc/BEd Major	BA Minor	BSc Minor	BMgt Minor	BMus Minor	BSc/BEd Minor
<b>Fine Arts</b>										
Art										•
Art History						•	•	•	•	
Art Studio						•	•	•	•	
Comprehensive Music				•						
Drama	•					•	•	•	•	•
Liturgical Arts				•						
Music	•					•	•	•		
Music: Choral										•
Musical Arts				•						
Piano				•						
Visual Art	•									
Voice				•						
<b>Humanities</b>										
Classical Studies						•	•	•	•	
English	•					•	•	•	•	
English Language Arts										•
French						•	•	•	•	
German						•	•	•	•	
Modern Languages	•									
Philosophy						•	•	•	•	
Philosophy and Religion	•									
Philosophy and Religious Studies										•
Religion						•	•	•	•	
Scandinavian Studies						•	•	•	•	
Second Languages: French										•
Second Languages: German										•
Second Languages: Spanish										•
Spanish						•	•	•	•	
<b>Science</b>										
Biology	•	•			•	•	•	•	•	•
Chemistry	•	•			•	•	•	•	•	•
Computing Science	•	•				•	•	•	•	

Areas Available	BA Major	BSc Major	BMgt Major	BMus Major	BSc/BEEd Major	BA Minor	BSc Minor	BMgt Minor	BMus Minor	BSc/BEEd Minor
Environmental Science		•								
Environmental Studies	•					•	•	•	•	
General Sciences					•					•
Geography						•	•	•	•	
Mathematics						•	•	•	•	
Mathematical Sciences					•					•
Mathematics and Physics	•	•			•					
Physical Sciences					•					•
Physics						•	•	•	•	•
<b>Social Sciences</b>										
Business Economics			•							
Economics	•					•	•		•	
History	•					•	•	•	•	
Interdisciplinary Studies:										
-Canadian Studies						•	•	•	•	
-Crime and Community						•	•	•	•	
-Global and Development Studies	•					•	•	•	•	
-Individualized						•	•	•	•	
-Women's Studies						•	•	•	•	
Management						•	•		•	
Physical Education	•	•				•	•	•	•	•
Political Studies	•					•	•	•	•	
Psychology	•	•				•	•	•	•	
Social Studies										•
Sociology	•					•	•	•	•	

## The Augustana Academic Course Schedule

The academic course schedule for Augustana Faculty provides a unique rhythm for each academic year that advances experiential learning opportunities for students, creates connections between these opportunities and more traditional classroom work, offers greater flexibility for students in managing course workloads and degree completion times, and provides greater accommodation to a variety of student learning styles. Augustana Faculty features an academic schedule in which each of the traditional Fall and Winter Terms consist of students taking a single course for three weeks, followed by a number of courses for 11 weeks. There are a smaller number of additional 3-week courses available at the start of the standard University Spring Term. This schedule creates a potential annual student academic enrollment cycle of 3-11-3-11-3. Students typically register in a single ★3 course in the 3-week period and a combination of courses totalling ★12 during the 11-week period.

## The Augustana Core

Augustana Faculty orients its programs toward a broad education realized through engagement, knowledge, and skills. Collectively, this commitment is incorporated in the Augustana Core.

### Foundation

Augustana provides a rigorous foundational course experience that encourages the development of intellectual and work habits necessary for academic and career success, such as critical and creative thinking, clear and effective writing and communication, and management of information. It also offers students an interdisciplinary experience to begin their Augustana career.

### Engagement

At Augustana, students integrate their learning with the complexities of local and global communities, both in the classroom and in the world. To achieve this

degree of social and political engagement, Augustana students are required to take courses in at least three of the following five areas:

- Creative & Imaginative Process
- Diversity and Global Studies
- Environmental Sustainability
- Experiential Learning
- Integrating Knowledge

For more information on Engagement requirements, see Bachelor of Arts (BA) [Augustana], Bachelor of Management in Business Economics (BMgt) [Augustana], Bachelor of Science (BSc) [Augustana], and Bachelor of Science (BSc)/Bachelor of Education (BEEd) (Secondary) Combined Degrees Program (Augustana), under The Augustana Core: Engagement.

### Knowledge

Augustana embraces a liberal arts and sciences education that embodies many different ways of knowing. The ability to use a range of approaches to solve problems enables citizens to face the complexities of society with flexibility and innovation. Students achieve this breadth of knowledge by taking courses in each of the following areas:

- Fine Arts,
- Humanities,
- Social Sciences, and
- Science.

For more information on breadth of Knowledge requirements, see Bachelor of Arts (BA) [Augustana], Bachelor of Management in Business Economics (BMgt) [Augustana], Bachelor of Science (BSc) [Augustana], and Bachelor of Science (BSc)/Bachelor of Education (BEEd) (Secondary) Combined Degrees Program (Augustana), under The Augustana Core: Knowledge.

### Skills

At Augustana, students acquire core academic skills through their major. These skills are the mark of a successful education and the basis for continued learning. Therefore, Augustana deliberately sets for itself the goal that, upon graduation, all students will be equipped with a skill set of which they can be justifiably proud. Students find these skills possess immense practical value, enabling our graduates to make meaningful contributions to their communities and workplaces.

Augustana aims to develop students who are thinkers, researchers, and communicators.

As Thinkers, Augustana students can

2. read, view, listen, and reflect carefully and extensively;
3. engage in issues from a variety of perspectives, cultures, or traditions; and
4. approach problems using evidence, reasoning, and creativity.

As Researchers, Augustana students can

1. design and execute projects from conception to fruition;
2. analyze and synthesize data, concepts, and ideas;
3. assert their own perspective on a topic through argument, presentation, or interpretation; and
4. employ information literacy skills to assemble and evaluate the most suitable materials.

As Communicators, Augustana students can

1. clearly convey ideas, creative work, and research in an artistic or scholarly manner;
2. present information confidently, showing command of oral, digital, written, visual, or artistic expression;
3. employ effective presentation and rhetorical strategies tailored to specific audiences; and
4. write logically and grammatically.

While these skills are not attached to any specific credit requirement, skill development is incorporated into several aspects of each degree program and is reviewed by the Faculty on a regular basis.

## General Program Information

The following terms, definitions, and abbreviations are used throughout the Augustana Faculty section of the Calendar.

1. **Unit of Course Weight:** A unit of course weight indicates the instructional credit assigned to a course and is designated by the symbol ★ after the course number and name. Units of course weight form a part of the degree requirements and are also used to calculate a student's Grade Point Average (GPA).
2. **Junior-level Courses:** Courses numbered 100-199.
3. **Senior-level Courses:** Courses numbered 200-599.
4. **Term:** The standard University of Alberta instructional periods are from September to December (Fall Term), January to April (Winter Term), May/June (Spring Term), and July/August (Summer Term). Augustana Faculty further divides these periods as follows:
  - a. **3-week courses:** Augustana designates three specific instructional periods during the academic year, consisting of approximately three weeks duration, normally in September, January, and May.
  - b. **11-week courses:** Augustana designates two specific instructional periods during the academic year, consisting of approximately 11 weeks, extending from late-September to December, and from late-January to April
5. **Single-term Course:** A standard credit course has a course weight of ★3 and normally extends over a single instructional period (3-week or 11-week). Certain courses may present an alternative course weight
6. **Two-term Course:** A two-term course is a course with a course weight of ★6 that normally extends over two or more instructional periods. Certain courses may present an alternative course weight.
7. **Year Status:** Each student who has been admitted to a degree program at Augustana is classified according to year status as follows:
  - a. ★0-23 earned: first-year standing. First-year students are normally not eligible to take courses numbered 200 or higher.
  - b. ★24-53 earned: second-year standing.
  - c. ★54-83 earned: third-year standing.
  - d. ★84 or more earned: fourth-year standing.
8. **Course load:** The normal full course load is ★30 for the academic year.

9. **Minimum Passing Grade:** The minimum passing grade in University of Alberta undergraduate courses is a D. The minimum final grade for transfer of courses from other postsecondary institutions is C-.
10. **Overlapping Options:**
  - a. A course that fulfills more than one requirement for a major or in a major/minor combination, or in some form of major/minor/certificate combination;
  - b. A course that fulfills a requirement in both the core and within a specific program.
11. **Non-Overlapping Options:**
  - a. A course that is not allowed to count towards more than one requirement within a major;
  - b. No course may be counted towards more than one core requirement.
12. **Supporting Course:** A course from outside a particular major which generally complements the study of that major; it is a requirement for the completion of the major, but is not used in calculating the major GPA.
13. **Option:** The term "option" where it appears in programs means a course chosen by the student from offerings by the Augustana Faculty if the necessary prerequisites have been met, and which is not a specific program requirement.
14. **Arts Courses/Options:** Courses offered by the Augustana Faculty which are classified as "Arts" courses (see Classification of Courses) for which the student is eligible and which meet degree requirements.
15. **Music Courses/Options:** Courses offered by the Augustana Faculty which are classified as "AUMUS" courses (see Course Listings) for which the student is eligible and which meet degree requirements.
16. **Science Courses/Options:** Courses offered by the Augustana Faculty which are classified as "Science" courses (see Classification of Courses) for which the student is eligible and which meet degree requirements.
17. **Specialized Professional Courses:** Courses offered by the Augustana Faculty which are classified as neither "Arts" nor "Science" courses (see Classification of Courses) for which the student is eligible and which meet degree requirements.

## General Regulations Governing Course Selections

1. Junior-level courses (numbered 100-199) should be taken as early as possible. A first-year student is normally not permitted to take senior-level courses (numbered 200 and higher).
2. All programs must include at least ★72 at a senior level.
3. A limited number of specialized professional courses may be substituted for arts and science courses in a BA or BSc program. The maximum allowed is ★18.
4. The maximum number of specialized professional courses allowed in the BMgt program is ★36.
5. A maximum of ★12 of Physical Education Activity (AUPAC) is allowed.
6. Each major or minor must consist of a distinct set of courses. No course may be counted toward more than one such area of study. This restriction does not apply to courses listed in the Calendar as "supporting courses." If a course is specifically required by two or more of a student's declared areas of study, the course may be counted toward only one area and a substitute course in each of the other areas must be selected with the approval of the student's Department Chair.

## Certificates

Augustana Faculty currently offers two certificates to graduating students which acknowledge formally that students have studied particular themes, within one discipline, or across disciplines. Normally the requirements for the certificates can be completed as part of the requirements for the degree; however, in some cases, a student may need to take more than the minimum required for the degree program in order to qualify for both the degree and the certificate. The following certificates are available from Augustana:

**Certificate in Community Mental Health:** Theory and Practice: available to students with a major in Psychology in the Augustana Faculty BA or BSc program (see Certificate in Community Mental Health: Theory and Practice).

**Certificate in Writing Studies:** available to students in any Augustana degree program (see Certificate in Writing Studies).

Augustana students are also eligible to pursue embedded certificates offered by other Faculties, but which are open to students across the University. These certificates include:

**Certificate in Sustainability:** offered through the Faculty of Agricultural, Life, and Environmental Sciences (ALES) in conjunction with the Office of Sustainability (see Certificate in Sustainability).

**Certificate in Community Engagement and Service-Learning:** offered through the Faculty of Arts (see Certificate in Community Engagement and Service-Learning).

## Faculty Regulations

Students should consult the following regulations of the Augustana Faculty in tandem with the University Regulations in Academic Schedule to Code of Applicant Behaviour, with particular attention to Registration and Fees and Academic Regulations.

### Admission and Transfer

If students who are registered in an Augustana degree program wish to enrol in a course offered by another institution and apply the credits for this course toward the Augustana degree, they must obtain the approval of their Academic Adviser before registering for the course. If approval is granted students must then obtain a Visiting Student Authorization letter from the Office of the Registrar at Augustana Campus. Please note that Augustana guarantees consideration for transfer of credits only to courses explicitly identified in the Visiting Student Authorization letter. Credits to be transferred from the other institution are judged on the same basis as transfer credits granted at the time of admission.

### Residential Requirement

Augustana is a residential institution, and living in residence is a valuable part of the total educational experience. Living on campus provides maximum opportunity to benefit from university life. The residence hall program is specifically designed to provide an environment that promotes the development of the whole person.

The policy requiring all students to live in residence for at least one year is an indication of Augustana Faculty's commitment to this enriching experience. The requirement to live on campus does not apply to:

- part-time students.
- married students.
- students with children
- students who are 21 years of age or older at the time of their registration for the academic year.
- students living with family in the Camrose area.
- students whose medical needs cannot be met by Augustana Faculty.

Students with special circumstances not indicated in the exemptions listed above may appeal the requirement to live on campus, in writing, to the Housing Review Committee.

### Registration

General regulations for students regarding Registration are contained in Registration and Fees.

1. **Deadlines:** Students should familiarize themselves with the deadlines pertaining to registration, as outlined in Academic Schedule, and be aware that these deadlines are strictly enforced.
2. **Student Responsibility:** Students are responsible for familiarizing themselves with program requirements and limitations as specified in the Calendar and for ensuring their programs are properly planned in accordance with degree specifications. Please read the Calendar carefully before registering in courses, and if you are in doubt about any regulations pertaining to your program, consult the Learning, Advising and Beyond Office, for clarification.
3. **Academic Advice:** A student is encouraged to consult an Admissions Counsellor when selecting courses for the first year of university studies. Academic advice is provided by Academic Advisers to assist a student in registering for subsequent years of studies.
4. **Failure to 'drop' a course:** Students who do not formally withdraw from a course but who are absent from the final examination without excuse (see Absence from Final Exams) will be given a mark of zero (0) on the final examination. The final grade in the course will then be determined by combining the appropriately weighted term grade and the assigned zero in the final examination, the mathematical result rounded to the lowest whole

number. Students who register in a course but do not attend and do not formally withdraw will receive a grade of F1.

5. **Change in program:** A student who wishes to change from one major, minor, or degree program to another within the Augustana Faculty must consult with an Academic Adviser. A student wishing to change degree program, or transfer into another Faculty, should also consult Readmission or Internal Transfer for requirements on readmission and internal transfer.
6. **Withdrawal from Augustana:** A student who wishes to withdraw from Augustana should first discuss the matter with their Academic Adviser. At the discretion of their Adviser, the student may be referred to a University Counsellor in the Augustana Personal Counselling Centre and/or the Director, Student and Residence Services (if the student is living in residence). All deadlines related to withdrawals are strictly enforced; students should consult Academic Schedule and Registration.
7. **Auditing courses:** Students interested in registering to audit one or more courses in the Augustana Faculty should refer to Auditors.

### Attendance, Evaluations and Grading

Since presence at lectures, participation in classroom discussions and projects, and the completion of assignments are important components of most courses, students will serve their interests best by regular attendance. Those who choose not to attend must assume whatever risks are involved. Students should pay close attention to any further requirements on attendance and class participation indicated on course outlines (see Evaluation Procedures and Grading System). As well, students should refer to Attendance for specific regulations regarding exams.

Every student's performance will be evaluated at least two times in each course. The evaluations may take the form of tests, essays, and/or other assignments. The results of at least one evaluation in each course will be available to students no later than eight weeks into a standard Fall or Winter Term, seven weeks into an 11-week Augustana course, or eight instructional days into a 3-week Augustana course. For further information on evaluations, grading, and exams, see Evaluation Procedures and Grading System and Examinations (Exams).

No examination valued at more than 20% of the final grade shall be scheduled during the last ten instructional days of a standard Fall or Winter Term course, the last eight instructional days of an 11-week Augustana course, or the last three instructional days of a 3-week Augustana course (the exception being a final exam in a 3-week course, which typically will occur on the last day of the course).

No student shall be required to write three final exams in one day (i.e., in the morning, afternoon, and evening exam periods). Should a student have three exams scheduled in one day, the student should contact the Office of the Registrar at Augustana as soon as possible for assistance in rescheduling one exam to another time within that final examination period.

### Policy on Academic Dishonesty

For information on Academic Dishonesty, including definitions, potential sanctions, the discipline process, and procedures for appeal, a student should consult the University of Alberta Code of Student Behaviour. Amendments to the Code of Student Behaviour occur throughout the year. The official version of the Code of Student Behaviour, as amended from time to time, is housed on the University Governance website at [www.governance.ualberta.ca](http://www.governance.ualberta.ca).

### Academic Standing and Graduation

#### Determination of Academic Standing

Academic standing is assessed based on a student's Grade Point Average (GPA). (Rules for computing the GPA are listed in Evaluation Procedures and Grading System.) Students are expected to maintain a 2.0 minimum GPA. Students who do not maintain this level of academic performance may be permitted to continue under academic warning or may be required to withdraw.

The assignment and reassignment of academic standing is based on a student's performance in a minimum of ★12. If, at the time of review, the student has attempted fewer than ★12 since the last assignment of academic standing, there will be a program review, but the assessment of academic standing will be deferred and the academic standing assigned at the last review will remain in effect until the next review.

A review of academic performance is conducted for each student at the end of each Fall/Winter Terms, based on all courses completed during those Fall/Winter Terms. In addition, any courses taken during the preceding Spring/Summer will be included in the review. Students whose assessment was deferred at the last

review will be assessed on the cumulative results of all courses completed since their last academic standing assignment.

### Implications of Academic Standing

1. **First-Class standing and the Dean's List:** First-class standing in a given year is awarded to any undergraduate student who obtains a GPA of at least 3.5, the GPA to be computed on a minimum of ★24 taken during Fall/ Winter. Students who attend in only one term of the Fall/Winter are eligible if they complete at least ★12 with a minimum GPA of 3.5. Dean's List: This designation is given to students who achieve a GPA of at least 3.7 on a minimum of ★18 in Fall/Winter. Students who attend for only one term of Fall/Winter are eligible if they complete at least ★9 with a minimum GPA of 3.7.
2. **Satisfactory Standing:** Satisfactory standing is given to a student who achieves a GPA of at least 2.0. Students with satisfactory standing are academically eligible to continue studies in Augustana Faculty.
3. **Marginal standing:** Marginal standing is given to a student who achieves a GPA of 1.7 to 1.9. Students with marginal standing will be placed on academic warning and will normally have one Fall/Winter of assessment to return to satisfactory standing. Students failing to return to satisfactory standing will be required to withdraw from Augustana Faculty. Students with marginal standing will also be required to withdraw if they have previously had unsatisfactory or marginal standing at the end of any period of assessment at Augustana Faculty or have previously been required to withdraw from Augustana, another Faculty, or another postsecondary institution.
4. **Unsatisfactory standing:** Unsatisfactory standing is given to a student who obtains a GPA less than 1.7. Students with unsatisfactory standing will be required to withdraw from Augustana Faculty.

### Other Regulations Related to Academic Standing

A student who has been required to withdraw from Augustana or any other Faculty, or from another postsecondary program, will not be considered for readmission until at least one full year has elapsed.

A student who has been required to withdraw from Augustana or any other Faculty after having previously been required to withdraw from Augustana, another Faculty, or from another postsecondary institution will not be considered for readmission except by special permission of the Associate Dean, Academic.

### Documentation of Academic Standing

At the end of each academic year, a statement of grades is available on Bear Tracks (<https://www.beartracks.ualberta.ca>).

## Graduation

### Grades Required in Courses Presented for the Bachelor's Degree

1. Courses presented for the Bachelor's degree are limited to those in which a grade of at least D has been attained. If a student has successfully completed more than the number of credits required for the degree, the courses presented to satisfy all the requirements are chosen to the student's advantage.
2. A student must achieve a Graduation Grade Point Average (GGPA) of at least 2.0 to be eligible for a bachelor's degree. The GGPA is based on the last ★90 presented for the degree (whether earned at Augustana Faculty, University of Alberta or elsewhere).
3. A student must achieve a GPA of at least 2.0 in each declared area of study. Each GPA major or minor is calculated over all presented courses that apply to the area of study, including those courses contributing to the first ★30.
4. The degree is awarded "with distinction" to a student who achieves a GGPA (as defined in item 2, above) of at least 3.5.

### Graduation Requirements

1. Students wishing to receive an Augustana Faculty degree at an upcoming convocation must apply for graduation on Bear Tracks (<https://www.beartracks.ualberta.ca>) in accordance with the deadlines specified in Academic Schedule. Also see Graduation. The University of Alberta Augustana Faculty will hold one convocation ceremony each year at Augustana campus, normally scheduled in June. Students registered in Augustana Faculty who are eligible to graduate in Fall may attend the Fall convocation held on North campus.
2. In order to graduate, a candidate must fulfill all program requirements and satisfy the grade point average and residence requirements specified above.

3. If a graduand has not paid all outstanding fees and accounts, the degree parchment and transcripts will be withheld until all amounts owing are paid in full.

## Grievances and Appeals

A copy of the Augustana Faculty regulations regarding appeals on grades and academic standing may be obtained from the Augustana Learning~Advising~Beyond Office. Certain academic standing decisions made by the Augustana Faculty Academic Appeals Committee may be appealed to the General Faculties Council Academic Appeals Committee. See Appeals and Grievances.

Note: Deadlines exist for submission of appeals. Contact the Faculty for details.

## Courses

### Course Listings

Augustana courses are listed in Course Listings under Augustana Faculty with the following subject headings:

- Accounting (AUACC)
- Art (AUART)
- Biology (AUBIO)
- Chemistry (AUCHE)
- Classical Studies (AUCLA)
- Community Service Learning (AUCSL)
- Computing Science (AUCSC)
- Crime and Community (AUCRI)
- Drama (AUDRA)
- Economics (AUECO)
- Education Field Experience (AUEFX)
- Educational Computing (AUEDC)
- Educational Psychology (AUEPS)
- English (AUENG)
- English for Academic Purposes (AUEAP)
- Environmental Studies (AUENV)
- French (AUFRE)
- Geography (AUGEO)
- German (AUGER)
- Global and Development Studies (AUGDS)
- History (AUHIS)
- Interdisciplinary Studies (AUIDS)
- Language Studies (AULAN)
- Latin (AULAT)
- Management (AUMGT)
- Mathematics (AUMAT)
- Music (AUMUS)
- Philosophy (AUPHI)
- Physical Activity (AUPAC)
- Physical Education (AUPED)
- Physics (AUPHY)
- Political Studies (AUPOL)
- Psychology (AUPSY)
- Religion (AUREL)
- Scandinavian Studies (AUSCA)
- Sociology (AUSOC)
- Spanish (AUSPA)
- Statistics (AUSTA)

### Classification of Courses

In the determination of eligibility for an Augustana Faculty degree, courses are classified as follows:

1. The following are classified as Science courses:
  - a. all Biology (AUBIO).
  - b. all Chemistry (AUCHE).
  - c. Community Service-Learning (AUCSL) 361.
  - d. all Computing Science (AUCSC).
  - e. Economics AUECO 206, AUECO 309, AUECO 311, AUECO 449.
  - f. Environmental Studies AUENV 120, AUENV 132, AUENV 201, AUENV 232, AUENV 233, AUENV 252, AUENV 261, AUENV 301, AUENV 320, AUENV

- 324, AUENV 334, AUENV 335, AUENV 350, AUENV 354, AUENV 401, AUENV 420, AUENV 421, AUENV 425, AUENV 459.
- g. Geography AUGEO 120, AUGEO 218, AUGEO 230, AUGEO 231, AUGEO 233, AUGEO 301, AUGEO 320, AUGEO 324, AUGEO 334, AUGEO 351, AUGEO 354, AUGEO 401, AUGEO 420, AUGEO 421, AUGEO 425.
- h. Interdisciplinary Studies AUIDS 137, AUIDS 211, AUIDS 271, AUIDS 371.
- i. Management AUMGT 206.
- j. all Mathematics (AUMAT).
- k. Physical Education AUPED 112, AUPED 215, AUPED 216, AUPED 232, AUPED 251, AUPED 314, AUPED 317, AUPED 343, AUPED 344, AUPED 374, AUPED 375, AUPED 393, AUPED 414, AUPED 497.
- l. all Physics (AUPHY).
- m. Psychology (AUPSY) courses having odd numbers (last digit is 1, 3, 5, 7, or 9).
- n. all Statistics (AUSTA).
2. The following courses are designated as Social Science courses (and for the purposes of the BA are also categorized as Arts courses):
- a. Classics AUCLA 221, AUCLA 222, AUCLA 223, AUCLA 224.
- b. all Community Service–Learning (AUCSL), except AUCSL 361.
- c. all Crime and Community (AUCRI).
- d. all Economics (AUECO) except AUECO 206, AUECO 309, AUECO 311, AUECO 449.
- e. Environmental Studies AUENV 202, AUENV 260, AUENV 302, AUENV 327, AUENV 328, AUENV 341, AUENV 344, AUENV 358, AUENV 375, AUENV 402, AUENV 475.
- f. Geography AUGEO 242, AUGEO 302, AUGEO 341, AUGEO 402.
- g. all Global and Development Studies (AUGDS).
- h. all History (AUHIS).
- i. all Indigenous Studies (AUIND), except AUIND 240.
- j. Interdisciplinary Studies AUIDS 100, AUIDS 160, AUIDS 230, AUIDS 250, AUIDS 260, AUIDS 292, AUIDS 302.
- k. all Language Studies (AULAN).
- l. Management AUMGT 323, AUMGT 345, AUMGT 350, AUMGT 360.
- m. Philosophy AUPHI 240, AUPHI 241, AUPHI 340.
- n. all Physical Education (AUPED) except AUPED 112, AUPED 215, AUPED 216, AUPED 232, AUPED 251, AUPED 275, AUPED 282, AUPED 314, AUPED 317, AUPED 343, AUPED 344, AUPED 374, AUPED 375, AUPED 393, AUPED 414, AUPED 497.
- o. all Political Studies (AUPOL).
- p. all Psychology (AUPSY) courses having even numbers (last digit is 0, 2, 4, 6, or 8).
- q. Religion AUREL 260, AUREL 266.
- r. Scandinavian Studies AUSCA 231.
- s. Spanish AUSPA 241, AUSPA 250, AUSPA 251, AUSPA 252, AUSPA 253, AUSPA 341.
- t. all Sociology (AUSOC).
3. The following courses are classified as Humanities courses (and for the purposes of the BA are also categorized as Arts courses).
- a. Art AUART 365.
- b. all Classics (AUCLA) except AUCLA 221, AUCLA 222, AUCLA 223, AUCLA 224.
- c. Drama AUDRA 312.
- d. all English (AUENG) except AUENG 319.
- e. all English for Academic Purposes (AUEAP).
- f. Environmental Studies AUENV 268, AUENV 345, AUENV 355, AUENV 365, AUENV 368.
- g. all French (AUFRE).
- h. all German (AUGER).
- i. Indigenous Studies (AUIND) AUIND 240.
- j. Interdisciplinary Studies AUIDS 242, AUIDS 244.
- k. all Latin (AULAT).
- l. all Philosophy (AUPHI) except AUPHI 240, AUPHI 241, AUPHI 340.
- m. all Religion (AUREL) except AUREL 260, AUREL 266.
- n. all Scandinavian Studies (AUSCA) except AUSCA 231.
- o. all Spanish (AUSPA) except AUSPA 241, AUSPA 250, AUSPA 251, AUSPA 252, AUSPA 253, AUSPA 341.

4. The following courses are classified as Fine Arts courses (and for the purposes of the BA are also categorized as Arts courses).
- a. all Art (AUART), except AUART 365.
- b. all Drama (AUDRA) except AUDRA 312.
- c. English AUENG 319.
- d. all Music (AUMUS).
5. Education courses (AUEDC, AUEFX, AUEPS) and Management courses (all AUACC and all AUMGT except AUMGT 206, AUMGT 323, AUMGT 345, AUMGT 350, AUMGT 360) and AUPED 275 and AUPED 282 are classified as specialized professional courses [see General Regulations Governing Course Selections (3) and General Regulations Governing Course Selections (4)].
6. All other courses not identified in (1) to (5) above are classified as Arts courses.

## Bachelor of Arts (BA)

### Overview

The Bachelor of Arts degree consists of ★120 arts and science, including at least ★55 arts (see Classification of Courses). The ★120 in the program are made up of the Engagement and Knowledge components of the Augustana Core, a major subject, an optional minor, and options, as follows:

### The Augustana Core: Engagement

Engagement requirements consist of five different categories. A student must complete ★15 from at least three of the five categories with no more than ★6 in any one category; courses which satisfy these requirements may overlap with a student's major:

- Creative & Imaginative Process
- Diversity and Global Studies
- Environmental Sustainability
- Experiential Learning
- Integrating Knowledge

For more detail on which courses may be counted towards these categories, see Augustana Chart 1 Core Engagement Requirements.

### The Augustana Core: Knowledge

The ★21 Breadth of Knowledge requirements consist of four different categories; the ★21 credits counted towards these categories may not overlap with a student's first major:

- ★3 Fine Arts
- ★6 Humanities
- ★6 Science
- ★6 Social sciences

For the actual classification of Augustana courses within these categories, see Classification of Courses.

**Note:** The same credit may not be counted twice in courses that relate to more than one category within the Engagement and Knowledge components of the Augustana Core; that is, a total of 36 different credits must be earned to fulfill these requirements.

### Major subject:

★42–60 in one discipline or approved interdisciplinary area (with the minimum number of credits specified by the discipline or approved interdisciplinary area), including no more than ★12 at the junior level (except when required in a discipline with a performance component or in an interdisciplinary program that requires junior courses from several different disciplines) and including a minimum of ★9 at the 300- and 400-level, of which at least ★3 must be at the 400-level. Normally no more than ★60 in one discipline will be credited towards the degree. In some cases, a major may also require courses in one or more disciplines outside the major; these may be prerequisites for specific courses in the major and/or courses supporting the major in a more general way (up to a maximum of ★24).

**Note:** A student should be aware that it may not be possible to complete certain combinations of majors, or combinations of majors and minors, without extending the time required to earn the degree.



## Optional minor:

A minimum of ★18 in one discipline or approved interdisciplinary area, including at least ★12 at the senior level.

## Options:

★0-21 (or more, depending on the amount of overlap between the core and the requirements for the major, and/or minor) of the student's choice (see General Regulations Governing Course Selections). A student may choose to use options to work toward a minor, or second major but should be aware that a double major normally requires more than ★120 in the degree program..

## Residence Requirements

Students registered in a BA program must complete at least ★60 offered by the Augustana Faculty, at least ★54 of which must be at the senior level. However, language or other study abroad may, with special permission of the Associate Dean, Academic, count toward the residence requirement. Note: Students transferring into this degree program within the framework of a Faculty-approved transfer agreement must complete ★60 of the final credits of their degree program with credits offered by the Augustana Faculty.

## BA Major/Minor Requirements

### Art

#### Major in Visual Art [Augustana]

##### Visual Art - General Stream

###### Requirements

- AUART 101 - Introduction to the History of Art I **OR**
- AUART 103 - Caves to Skyscrapers: The Built Environment
- 
- AUART 102 - Introduction to the History of Art II
- AUART 111 - Studio Foundation I
- AUART 112 - Studio Foundation II - 3-D and Colour Theory
- AUART 215 - Sculpture I
- AUART 231 - Drawing I
- AUART 232 - Drawing II
- AUART 271 - Painting I
- AUART 272 - Painting II
- AUART 331 - Drawing III
- AUART 371 - Painting III
- AUART 411 - Visual Explorations

###### Additional Requirements

- ★6 additional at a senior level in art history
- Any AUART course to be used as a prerequisite for subsequent AUART courses must be passed with a minimum of C- (or equivalent).
- A grade of D or D+ in a Major subject may normally be credited only once in the student's Art Major program. Any subsequent course for which a grade of either D or D+ is received must be repeated for degree credit or an alternative course, approved by the Department, must be substituted.

## Additional information for students

A student intending to pursue graduate studies in Art is urged to take additional credits in Art. Drama and Music courses should be taken (as options) to enrich the concentration in Art. Art supplies for studio courses are the responsibility of the student. It is recommended that initial courses in studio be taken in the following sequence: Foundation, Drawing, Painting. Some senior Art courses are offered in alternate years only.

### Recommended first-year program

#### Required courses: ★12

- AUART 101 - Introduction to the History of Art I **OR**
- AUART 103 - Caves to Skyscrapers: The Built Environment
- 
- AUART 102 - Introduction to the History of Art II
- AUART 111 - Studio Foundation I

- 
- AUART 112 - Studio Foundation II - 3-D and Colour Theory
- Art History Stream

#### Requirements

- AUART 101 - Introduction to the History of Art I **OR**
- AUART 103 - Caves to Skyscrapers: The Built Environment
- 
- AUART 102 - Introduction to the History of Art II
- AUART 224 - Art and Its Histories
- AUART 231 - Drawing I
- AUART 271 - Painting I
- AUART 365
- AUART 421 - Art History Stream Capstone

#### Additional Requirements

- ★12 additional at a senior level in art history
- ★9 additional senior in AUART, including ★3 in art studio at an AUART 300-level..

## Minor in Art History [Augustana]

### Requirements

- ★12 senior Art courses of which at least ★9 must be Art History.
- ★6 from
- AUART 101 - Introduction to the History of Art I **OR**
- AUART 103 - Caves to Skyscrapers: The Built Environment
- 
- AUART 102 - Introduction to the History of Art II
- AUART 111 - Studio Foundation I

## Minor in Art Studio [Augustana]

### ★18 senior AUART courses at least ★6 of which must be from

- AUART 215 - Sculpture I
- AUART 331 - Drawing III
- AUART 371 - Painting III

## Biology

### Major in Biology

A student may choose a BA or BSc in Biology. See Augustana Faculty for Admission Requirements.

#### Requirements

- AUBIO 111 - Integrative Biology I
- AUBIO 112 - Integrative Biology II
- AUBIO 230 - Molecular Cell Biology
- AUBIO 253 - Ecological Interactions
- AUBIO 260 - Principles of Genetics
- AUBIO 280 - Biochemistry: Proteins, Enzymes and Energy
- AUBIO 338 - Developmental Biology
- AUBIO 411 - History and Theory of Biology

#### ★3 from

- AUBIO 323 - Plant Biology
- AUBIO 371 - Immunology
- AUBIO 381 - Biochemistry: Intermediary Metabolism
- AUBIO 394 - Comparative Invertebrate Zoology
- AUBIO 395 - Vertebrate Form and Function

#### ★3 from

- AUBIO 390 - Animal Behaviour
- AUBIO 413 - Advanced Topics in Evolutionary Ecology
- AUBIO 438 - Evolutionary Development Biology

#### Additional Requirements

- ★12 additional AUBIO
- ★6 overlapping at the 400-level.

#### Supporting courses: ★9 in chemistry:

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II
- AUCHE 250 - Organic Chemistry I

### The BSc in Biology requires the following additional supporting courses:

- ★3 AUMAT (excluding AUMAT 107)
- 
- AUSTA 215 - Statistical Methods for the Natural Sciences

Note: At least ★3 AUPHY is recommended for students in the BSc program who do not have credit in Physics 30. Students interested in pursuing graduate studies in biochemistry, cell biology, or physiology are advised to complete ★6 AUPHY.

### Additional information for students

For more information and advice about the Augustana Biology program, and potential career paths in Biology, visit the Augustana Department of Science – Biology website at [www.ualberta.ca/augustana/programs/degree/biology](http://www.ualberta.ca/augustana/programs/degree/biology).

### Minor in Biology

#### Requirements

- ★9 in senior level AUBIO
- ★3 in AUBIO at the 300- or 400-level
- 3 additional credits in AUBIO
- 
- AUBIO 111 - Integrative Biology I **OR**
- AUBIO 112 - Integrative Biology II

## Chemistry

### Major in Chemistry

A student may choose a BA or BSc in Chemistry. See Augustana Faculty for Admission Requirements.

#### Requirements

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II
- AUCHE 220 - Analytical Chemistry
- AUCHE 230 - Inorganic Chemistry I
- AUCHE 250 - Organic Chemistry I
- AUCHE 279 - Physical Chemistry

#### ★3 from

- AUCHE 405 - Selected Topics in Chemistry
- AUCHE 450 - Enzymes and Enzyme Mechanisms
- AUCHE 485 - Selected Topics in Biochemistry

#### Additional Requirements

- 21 senior credits in AUCHE, at least ★6 of which must be at the 300- or 400-level. The BSc in Chemistry requires that AUCHE 277 be taken to satisfy ★3 of this requirement.

#### Supporting courses:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)

#### The BSc in Chemistry requires additional supporting courses:

- AUMAT 112 - Elementary Calculus II
- 
- AUPHY 102 - Introductory General Physics I (Mechanics) **OR**
- AUPHY 104 - Introductory General Physics I (Mechanics) **OR**
- AUPHY 110 - Mechanics
- 
- AUPHY 120 - Waves, Thermodynamics, and Optics

### Additional information for students

1. Students interested in a graduate degree in Chemistry (i.e., MSc, PhD) should enrol in the BSc program and take more than the minimum required credits (in total and at the 400-level).
2. ★3 in Statistics are recommended. Some senior courses are offered in alternate years.
3. Plans for taking a Chemistry project course should be discussed with the Department Chair in the year prior to registering in the course.

4. A student is advised to take the Mathematics supporting courses early in the program. Note that AUMAT 110, or AUMAT 116 is a recommended corequisite for AUCHE 220 and AUCHE 222 is required for AUCHE 279; that AUMAT 211 is a recommended corequisite for AUCHE 277 and a required prerequisite for AUCHE 377; and that AUMAT 120 is a required prerequisite for AUCHE 430.

### Recommended first-year program

#### Required courses:

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

#### Recommended courses:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- **AND**
- AUMAT 112 - Elementary Calculus II
- 
- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics

### Minor in Chemistry

#### Requirements

- ★9 in senior level AUCHE
- 3 additional credits in AUCHE at the 300 or 400-level
- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

## Classical Studies

### Minor in Classical Studies

#### Requirements

1. 6 junior credits in AUCLA and/or AULAT
2. 12 senior credits in AUCLA and/or AULAT

## Computing Science

### Major in Computing Science

A student may choose a BA or BSc in Computing Science. See Augustana Faculty for Admission Requirements.

#### Requirements

##### General Stream

- AUCSC 111 - Introduction to Computational Thinking and Problem Solving
- AUCSC 112 - Data Structures and Algorithms
- AUCSC 220 - Software Engineering I
- AUCSC 250 - Computer Organization and Architecture I
- AUCSC 310 - Algorithm Design and Analysis
- AUCSC 370 - Programming Languages
- AUCSC 490 - Social and Ethical Issues for Computing Professionals

#### Additional Requirements

- ★15 additional senior credits in Computing Science, including at least an additional ★3 at the 400-level (other than AUCSC 401 and AUCSC 402).

#### ★6 from

- 
- AUCSC 320 - Software Engineering II
- AUCSC 330 - Database Management Systems I
- AUCSC 350 - Computer Organization and Architecture II
- AUCSC 380 - Operating Systems Concepts

#### Supporting courses: ★12 AUMAT including

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 120 - Linear Algebra I
- AUMAT 250 - Discrete Mathematics

- ★3 AUSTA

#### Practicum Stream:

- AUCSC 401 and AUCSC 402, plus all the requirements of the General Stream as listed above.

### Additional information for students

1. AUCSC 112 requires AUMAT 110 or AUMAT 116 and AUMAT 120 as corequisites.
2. AUCSC 340 requires AUMAT 211 as a prerequisite, which in turn requires AUMAT 112 as a prerequisite.
3. At least ★3 in Physics is recommended.
4. Many senior Computing Science courses are offered in alternate years only. Some 300- and 400-level Computing Science courses are offered only if there is sufficient student demand.
5. AUCSC 401 and AUCSC 402 are practicum courses available to a limited number of senior Computing Science majors. Each of these courses provides four months of practical experience either through employment in an information systems context with an external organization, or through a directed self-study (possibly leading to a professional certification).

### Recommended first-year program

#### Required courses

- AUCSC 111 - Introduction to Computational Thinking and Problem Solving
- AUCSC 112 - Data Structures and Algorithms

#### ★6 from

- AUMAT 110 - Elementary Calculus I
- AUMAT 116 - Elementary Calculus I (Enriched)
- AUMAT 120 - Linear Algebra I

### Minor in Computing Science

#### Requirements

- 12 senior credits in Computing Science
- AUCSC 111 - Introduction to Computational Thinking and Problem Solving
- AUCSC 112 - Data Structures and Algorithms

### Drama

### Major in Drama

#### Requirements

- AUDRA 101 - Play Analysis
- AUDRA 201 - History and Critical Analysis of Theatre
- AUDRA 230 - Acting Techniques I
- AUDRA 244 - Improvisation II: Workshop and Performance
- AUDRA 340 - Movement for the Theatre
- AUDRA 350 - Introduction to Directing
- 
- AUDRA 437 - Senior Showcase **OR**
- AUDRA 444 - Improvisation IV: Story Theater

#### Additional Requirements

- 3 additional credits in Drama at the 400-level
- 15 additional senior credits in Drama.

### Additional information for students

1. A student intending to pursue graduate studies in Drama is strongly advised to choose additional credits in Drama.
2. Art, English, History and Music courses should be taken (as options) to enrich the major in Drama.
3. Many senior Drama courses are offered in alternate years only.

### Recommended first-year program

#### Required courses:

- AUDRA 101 - Play Analysis
- AUDRA 144 - Improvisation I: Introduction

### Minor in Drama

#### Requirements

- ★12 in senior level Drama.
- AUDRA 101 - Play Analysis

### Economics

### Major in Economics

See Augustana Faculty for Admission Requirements.

#### Requirements

Students select one of two streams: the general economics stream or the economics and mathematics stream.

#### General Economics Stream

- AUECO 101 - Introduction to Microeconomics
- AUECO 102 - Introduction to Macroeconomics
- AUECO 190 - Economic Issues (Cornerstone Course)
- AUECO 203 - Intermediate Microeconomic Analysis I
- AUECO 204 - Intermediate Macroeconomic Analysis I
- AUECO 206 - Mathematics in Economics and Finance
- AUECO 311 - Introductory Econometrics
- AUECO 384 - Intermediate Microeconomic Analysis II
- AUECO 385 - Intermediate Macroeconomic Analysis II
- AUECO 490 - Senior Seminar in Economics (Capstone Course)

#### Additional Requirements

- 9 additional senior credits in Economics of which at least ★3 must be at the 400-level.

#### ★3 in applied microeconomics courses:

- AUECO 323
- AUECO 341 - Environmental Economics
- AUECO 346 - Agricultural Economics
- AUECO 393 - Public Sector Economics

#### ★3 in financial or international economics courses:

- AUECO 258 - The International Economy in Historical Perspective II
- AUECO 333 - Money and Banking in Canada
- AUECO 336 - Economics of Financial Markets
- AUECO 360 - International Economics
- AUECO 363 - International Finance
- AUECO 364 - Development Economics

#### Supporting courses:

- AUMAT 110 - Elementary Calculus I
- AUMAT 116 - Elementary Calculus I (Enriched)
- AUSTA 153 - Introductory Applied Statistics

#### Economics and Mathematics Stream

- AUECO 101 - Introduction to Microeconomics
- AUECO 102 - Introduction to Macroeconomics
- AUECO 190 - Economic Issues (Cornerstone Course)
- AUECO 203 - Intermediate Microeconomic Analysis I
- AUECO 204 - Intermediate Macroeconomic Analysis I
- AUECO 384 - Intermediate Microeconomic Analysis II
- AUECO 385 - Intermediate Macroeconomic Analysis II
- AUECO 311 - Introductory Econometrics
- AUECO 490 - Senior Seminar in Economics (Capstone Course)
- AUMAT 110 - Elementary Calculus I
- AUMAT 112 - Elementary Calculus II
- AUMAT 116 - Elementary Calculus I (Enriched)
- AUMAT 120 - Linear Algebra I
- AUMAT 211 - Intermediate Calculus I
- AUMAT 212 - Intermediate Calculus II
- AUMAT 250 - Discrete Mathematics
- AUMAT 330 - Ordinary Differential Equations

#### Additional Requirements

- ★9 in applied microeconomics, financial economics, or international economics. At least ★3 must be at the 400 level.
- ★3 additional AUMAT credits at the 200 level or higher.

**Supporting course:**

- AUSTA 153 - Introductory Applied Statistics

**Additional information for students**

1. A student considering graduate work in Economics is advised to take the Economics and Mathematics stream
2. Many senior Economics courses are offered in alternate years only.

**Recommended first-year program****General economics stream**

- AUECO 101 - Introduction to Microeconomics
- AUECO 102 - Introduction to Macroeconomics
- AUECO 190
- 
- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUSTA 153 - Introductory Applied Statistics

**Mathematical economics stream**

- AUECO 101 - Introduction to Microeconomics
- AUECO 102 - Introduction to Macroeconomics
- AUECO 190
- 
- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 120 - Linear Algebra I
- AUSTA 153 - Introductory Applied Statistics

**Minor in Economics****Requirements**

- ★9 additional senior credits in Economics
- 
- AUECO 101 - Introduction to Microeconomics
- AUECO 102 - Introduction to Macroeconomics
- AUECO 190 - Economic Issues (Cornerstone Course)

**★3 from economic history or history of economic thought courses:**

- AUECO 215 - Economic Thought
- AUECO 251 - History of Canadian Economic Development
- AUECO 257 - The International Economy in Historical Perspective I
- AUECO 258 - The International Economy in Historical Perspective II

**English****Major in English****Requirements****★6 AUENG from**

- AUENG 102 - Critical Reading, Critical Writing
- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period

**★6 Medieval and Renaissance Literature**

- AUENG 221 - Chaucer
- AUENG 225 - Middle Ages
- AUENG 230 - The Early English Renaissance
- AUENG 231 - The Later English Renaissance
- AUENG 233 - Shakespeare
- AUENG 239 - Milton
- AUENG 321 - Chaucer
- AUENG 325 - Middle Ages
- AUENG 330 - The Early English Renaissance
- AUENG 331 - The Later English Renaissance
- AUENG 333 - Shakespeare
- AUENG 339 - Milton

**★3 Eighteenth-Century or Nineteenth-Century British Literature**

- AUENG 240

- AUENG 252
- AUENG 352

**★6 Canadian, U.S., Aboriginal/Indigenous, World Literature in English**

- AUENG 207 - Aboriginal/Indigenous Literature
- AUENG 270 - United States Literature to 1865
- AUENG 271 - United States Literature since 1865
- AUENG 280 - Canadian Literature to 1950
- AUENG 281 - Canadian Literature since 1950
- AUENG 307 - Aboriginal/Indigenous Literature
- AUENG 370 - United States Literature to 1865
- AUENG 371 - United States Literature since 1865
- AUENG 380 - Canadian Literature to 1950
- AUENG 381 - Canadian Literature since 1950

**★3 Twentieth and Twenty-first Century Literature**

- AUENG 268 - Women and Environmental Literature
- AUENG 368 - Women and Environmental Literature
- AUENG 382 - Postcolonial Literature and Theory

**★3 Criticism or Theory**

- AUENG 292 - Feminist Critical Theory and Women's Writing
- AUENG 392 - Feminist Critical Theory and Women's Writing

**Additional Requirements**

- ★6 at the 400-level in English
- ★9 additional senior credits in English
- ★6 overlapping in AUENG at the 300-level from courses listed above.

**Additional information for students**

1. Senior courses should be taken from a variety of instructors, and in a broad range of genres, historical periods, and national literatures.
2. A student considering graduate studies should take as many additional courses in English as possible. Furthermore, such a student should take at least ★6 in a second language.
3. Many senior English courses are offered in alternate years only.

**Recommended first-year program****Required courses:**

- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period

**Minor in English****Requirements****★6 AUENG from**

- AUENG 102 - Critical Reading, Critical Writing
- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period

**★12 senior credits in English, no more than ★9 of which can be writing courses from**

- AUENG 215 - Creative Writing
- AUENG 314 - Advanced Creative Writing: Poetry
- AUENG 316 - Advanced Creative Writing: Fiction
- AUENG 318 - Creative Writing Long Manuscript, Novel
- AUENG 319 - Playwriting

**Environmental Science (BSc)/Environmental Studies (BA)****Major in Environmental Science/Studies**

A student may choose a BSc in Environmental Science or a BA in Environmental Studies. See Augustana Faculty for Admission Requirements.

**Requirements****★12 in environmental studies**

- AUENV 120 - Human Activities and the Natural Environment
- AUENV 324 - Resource and Environmental Management

- AUENV 341 - Environmental Economics
- AUENV 421 - Environmental Science: History and Impacts

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**★3 in ecology**


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- AUBIO 253 - Ecological Interactions

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**★3 in earth science**


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- AUGEO 230 - Geomorphology
- AUGEO 231 - Climatology

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**★6 in environmental perspectives**


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- AUENG 268 - Women and Environmental Literature
- AUENG 368 - Women and Environmental Literature
- AUENV 268 - Women and Environmental Literature
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 328 - Environmental Politics
- AUENV 344 - Environmental Psychology
- AUENV 345 - Religion and Ecology
- AUENV 355 - Philosophy, Technology, and the Environment
- AUENV 358 - Environmental Sociology
- AUENV 368 - Women and Environmental Literature
- AUENV 375 - Canadian Environmental History
- AUENV 475 - Canadian Environmental History
- AUHIS 375 - Canadian Environmental History
- AUHIS 475 - Canadian Environmental History
- AUPHI 355 - Philosophy and the Environment
- AUPOL 328 - Environmental Politics
- AUPSY 344 - Environmental Psychology
- AUREL 345 - Religion and Ecology
- AUSOC 358 - Environmental Sociology
- Other selected topics courses on a case by case basis.

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**★3 in applied environmental studies**


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- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUBIO 354 - Freshwater Ecology and Management
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUECO 449 - Economic Methods of Project Evaluation
- AUENV 233 - Soil Science and Soil Resources
- AUENV 252 - Wildlife Diversity of Alberta
- AUENV 320 - Parks and Wilderness
- AUENV 322
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 335 - Wildlife Ecology and Management
- AUENV 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUENV 354 - Freshwater Ecology and Management
- AUENV 420 - Parks and Wilderness
- AUENV 425 - Environmental Impact Assessment
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 218 - Introduction to Geographic Information Systems

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**For the BSc in Environmental Science:**


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- ★6 additional in applied environmental studies from ★3 in applied environmental studies above

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**★3 in outdoor experience or practica**


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- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUCSL 360 - Community Service-Learning Practicum (based on approved project)
- AUCSL 361 - Community Service-Learning Practicum (based on approved project)
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 343 - Expedition in the Canadian North
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- AUPED 285 - Introduction to Ski Touring
- AUPED 286 - Outdoor Education and Leadership
- AUPED 388 - Arctic Canoe Expedition

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**★6 from the following:**


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- AUBIO 323 - Plant Biology
- AUBIO 274 - Microbiology
- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 351 - Biogeography
- AUBIO 355 - Ecological Dynamics
- AUBIO 390 - Animal Behaviour
- AUBIO 394 - Comparative Invertebrate Zoology

- AUBIO 395 - Vertebrate Form and Function
- AUBIO 397 - Vertebrate Physiology
- AUBIO 495
- AUBIO 413 - Advanced Topics in Evolutionary Ecology
- AUCHE 220 - Analytical Chemistry
- AUENV 201
- AUENV 252 - Wildlife Diversity of Alberta
- AUENV 301 - Directed Studies
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 401 - Directed Studies
- AUGEO 218 - Introduction to Geographic Information Systems
- AUGEO 230 - Geomorphology
- AUGEO 231 - Climatology
- AUGEO 351 - Biogeography
- AUMAT 332 - Mathematical Ecology and Dynamical Systems

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**For the BA in Environmental Studies (General stream):**


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**★6 additional in environmental perspectives from above**


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**★6 additional in applied environmental studies from above and/or from the following:**


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- AUBIO 274 - Microbiology
- AUBIO 323 - Plant Biology
- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 351 - Biogeography
- AUBIO 355 - Ecological Dynamics
- AUBIO 390 - Animal Behaviour
- AUBIO 394 - Comparative Invertebrate Zoology
- AUBIO 395 - Vertebrate Form and Function
- AUBIO 397 - Vertebrate Physiology
- AUBIO 413 - Advanced Topics in Evolutionary Ecology
- AUBIO 495
- AUCHE 220 - Analytical Chemistry
- AUENV 201
- AUENV 202
- AUENV 301 - Directed Studies
- AUENV 302 - Directed Reading
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 401 - Directed Studies
- AUENV 402 - Directed Reading
- AUGEO 230 - Geomorphology
- AUGEO 231 - Climatology
- AUGEO 351 - Biogeography
- AUMAT 332 - Mathematical Ecology and Dynamical Systems

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**★3 in outdoor experience or practica**


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- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUCSL 360 - Community Service-Learning Practicum (based on approved project)
- AUCSL 361 - Community Service-Learning Practicum (based on approved project)
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 343 - Expedition in the Canadian North
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- AUPED 285 - Introduction to Ski Touring
- AUPED 286 - Outdoor Education and Leadership
- AUPED 388 - Arctic Canoe Expedition

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**For the BA in Environmental Studies (Outdoor Education stream):**


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- AUPED 184 - Introduction to Outdoor Education - Snowshoeing **OR**
- AUPED 285 - Introduction to Ski Touring
- 
- AUGEO 343 - Expedition in the Canadian North **OR**
- AUPED 286 - Outdoor Education and Leadership **OR**
- AUPED 388 - Arctic Canoe Expedition
- 
- AUPED 383 - Programming and Processing the Adventure Experience
- AUPED 389 - Foundations of Outdoor, Adventure, and Experiential Education
- Certification in wilderness emergency care; and instructor-level certification in two outdoor education activities such as skiing, canoeing, or orienteering (these certifications must be current on the date of graduation).

**★3 from**

- AUPAC 109 - Cross-Country Skiing
- AUPAC 125 - Canoeing
- AUPAC 134 - Indoor Climbing
- AUPAC 270 - Adventure Games
- AUPAC 326 - Moving Water Canoeing: Skill and Instructional Development
- ★6 overlapping credits at the 400-level are required in both BA streams and the BSc

**Supporting courses:**

- AUBIO 112 - Integrative Biology II
- AU ECO 101 - Introduction to Microeconomics
- AUSTA 215 - Statistical Methods for the Natural Sciences

**The BSc in Environmental Science requires additional supporting courses:**

- ★6 Chemistry.
- ★3 Mathematics (excluding AUMAT 107).

Note: Students interested in pursuing graduate studies in a natural or physical science program are advised to take ★6 AUPHY.

**Additional information for students**

1. Students considering graduate studies should take a directed reading, directed studies, or directed project in the field.
2. A student in the BA Environmental Studies (Outdoor Education stream) is strongly advised to take one of AUBIO 395 and AUBIO 397; or AUPED 112, AUPED 215 and AUPED 216.
3. A student interested in a career in environmental health and safety, air quality, water quality, and land management is encouraged to take additional credits from AUCHE 220, AUCHE 230, AUCHE 232, AUCHE 250, AUCHE 252, and AUCHE 330. A student interested in air quality should also take AUGEO 231. A student interested in land management should also take AUGEO 230.
4. A student interested in a career in vertebrate ecology is encouraged to take additional credits from AUBIO 350, AUBIO 390, AUBIO 393, AUBIO 395, AUBIO 459, AUBIO 493, AUENV 350, AUENV 459.
5. A student interested in a career in plant ecology is encouraged to take additional credits from AUBIO 323 and AUENV 322.
6. AUPHI 350 is highly recommended.
7. Plans for taking AUENV 301, AUENV 302, AUENV 401, or AUENV 402 should be discussed with the Department Chair and supervising instructor in the year preceding registration in the course.
8. Many senior courses are offered only in alternate years; some of these require additional prerequisites.

**Recommended first-year program****Required courses for all streams**

- AUBIO 112 - Integrative Biology II
- AU ECO 101 - Introduction to Microeconomics
- AUENV 120 - Human Activities and the Natural Environment

**For the BSc stream, additional required courses:**

- ★3 Mathematics
- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

**For the BA general stream, additional recommended course:**

- AUPSY 103 - Introduction to Psychology

**For the BA outdoor education stream, additional required course:**

- AUPED 184 - Introduction to Outdoor Education - Snowshoeing

**Minor in Environmental Studies****Requirements**

- AUENV 120 - Human Activities and the Natural Environment

**★3 in environmental analysis**

- AUENV 324 - Resource and Environmental Management
- AUENV 341 - Environmental Economics
- AUENV 421 - Environmental Science: History and Impacts

**★3 in earth science**

- AUGEO 230 - Geomorphology
- AUGEO 231 - Climatology

**★6 of applied environmental studies**

- AUBIO 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUBIO 354 - Freshwater Ecology and Management
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AU ECO 449 - Economic Methods of Project Evaluation
- AUENV 252 - Wildlife Diversity of Alberta
- AUENV 320 - Parks and Wilderness
- AUENV 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUENV 354 - Freshwater Ecology and Management
- AUENV 420 - Parks and Wilderness
- AUENV 425 - Environmental Impact Assessment
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 218 - Introduction to Geographic Information Systems

**or outdoor experience or practica**

- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUCSL 360 - Community Service-Learning Practicum (based on approved project)
- AUCSL 361 - Community Service-Learning Practicum (based on approved project)
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 343 - Expedition in the Canadian North
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- AUPED 285 - Introduction to Ski Touring
- AUPED 286 - Outdoor Education and Leadership
- AUPED 388 - Arctic Canoe Expedition

**★3 in environmental perspectives**

- AUENG 268 - Women and Environmental Literature
- AUENG 368 - Women and Environmental Literature
- AUENV 268 - Women and Environmental Literature
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 328 - Environmental Politics
- AUENV 344 - Environmental Psychology
- AUENV 345 - Religion and Ecology
- AUENV 355 - Philosophy, Technology, and the Environment
- AUENV 358 - Environmental Sociology
- AUENV 368 - Women and Environmental Literature
- AUENV 375 - Canadian Environmental History
- AUENV 475 - Canadian Environmental History
- AUHIS 375 - Canadian Environmental History
- AUHIS 475 - Canadian Environmental History
- AUPHI 355 - Philosophy and the Environment
- AUPOL 328 - Environmental Politics
- AUPSY 344 - Environmental Psychology
- AUREL 345 - Religion and Ecology
- AUSOC 358 - Environmental Sociology
- Other selected topics courses on a case by case basis

**Minor in Geography****Requirements**

- ★15 additional in Geography, ★12 of which must be at a senior level. In addition, courses previously cross-listed with Environmental Studies may be counted towards this requirement, including AUENV 320, AUENV 324, AUENV 334, AUENV 420, AUENV 421 and AUENV 425.
- AUENV 120 - Human Activities and the Natural Environment (previously cross-listed with AUGEO 120).

**History****Major in History****Requirements**

- AUIDS 100 - The World in Progress: Inquiry in the Social Sciences **OR**
- AUHIS 190 - The Historian's Craft: Research Skills and Tools
- AUHIS 260 - An Introduction to the Study of Canadian History to 1867

- AUHIS 261 - An Introduction to the Study of Canadian History, 1867 to the Present
- AUHIS 480 - The Historian's Craft: Historiography

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**★6 from**

- AUHIS 104 - World History: The West
  - AUHIS 105 - World History: The East and the South
  - AUHIS 121 - Topics in Global History
  - 
  - AUIND 101 - Introduction to Indigenous Studies **OR**
  - AUIND 201 - Introduction to Indigenous Studies

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**Additional Requirements**

- ★21 additional at a senior level in History, including at least ★9 at the 300-level or above. Any AUIND course may also be counted towards this requirement.
- Within the ★21 course selection, a minimum of ★3 from each of three of the following fields of History:

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**Ancient:**

- AUHIS 203
- AUHIS 204
- AUHIS 207 - History of the Roman Republic
- AUHIS 208 - History of the Roman Empire

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**Canadian:**

- AUHIS 262 - History of Canadian Economic Development
- AUHIS 271 - The History of Women in Canadian Society
- AUHIS 360 - Selected Topics in Canadian History
- AUHIS 361 - Selected Topics in Canadian History
- AUHIS 363
- AUHIS 366
- AUHIS 368 - History of Sport in Canada
- AUHIS 369 - History of Canada's Aboriginal Peoples
- AUHIS 372 - History of Quebec
- AUHIS 375 - Canadian Environmental History
- AUHIS 460 - Selected Topics in Canadian History
- AUHIS 461 - Selected Topics in Canadian History
- AUHIS 463
- AUHIS 475 - Canadian Environmental History

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**European:**

- AUHIS 201 - European History I: Fall of the Roman Empire to the French Revolution
- AUHIS 202 - European History II: French Revolution to the Present
- AUHIS 243 - British History since 1688
- AUHIS 316 - Europe in the Eighteenth Century
- AUHIS 322 - Nineteenth-Century Europe to 1849
- AUHIS 323 - Nineteenth-Century Europe since 1849
- AUHIS 325 - Twentieth-Century Europe
- AUHIS 328 - Germany since Frederick the Great
- AUHIS 329 - Topics in the History and Culture of Southern France
- AUHIS 337 - History of the Soviet Union, 1917 to 1941
- AUHIS 338 - History of the Soviet Union, 1941 to 1991
- AUHIS 425 - Twentieth-Century Europe

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**Indigenous:**

- AUHIS 366
- AUHIS 369 - History of Canada's Aboriginal Peoples
- AUIND 240 - Introduction to Indigenous Cultural Production
- AUIND 300 - Selected Topics in Indigenous Studies
- AUIND 367 - The Fur Trade
- AUIND 370 - Oral History
- AUIND 390 - Directed Studies in Indigenous Studies
- AUIND 399 - Theories in Indigenous Studies
- AUIND 400 - Selected Topics in Indigenous Studies
- AUIND 467 - The Fur Trade
- AUIND 470 - Oral History
- AUIND 490 - Directed Studies in Indigenous Studies
- AUIND 499 - Theories in Indigenous Studies

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**Sport:**

- AUHIS 212 - Sport, Physical Activity, and the Body: Historical Perspectives
- AUHIS 312 - The Modern Olympic Games
- AUHIS 368 - History of Sport in Canada

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**United States:**

- AUHIS 250 - United States History to 1865

- AUHIS 251 - United States History since 1865
- AUHIS 356 - History of the United States West
- AUHIS 454 - The United States Civil War Era, 1846 to 1877

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**Women's:**

- AUHIS 271 - The History of Women in Canadian Society

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**Additional information for students**

Many senior History courses are offered in alternate years only.

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**Recommended first-year program**


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**Required courses:**

- AUHIS 104 - World History: The West
- AUHIS 105 - World History: The East and the South
- AUHIS 190 - The Historian's Craft: Research Skills and Toolss

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**Minor in History [Augustana]**


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**Requirements**

- ★3 of History at the 300- or 400-level.
- ★9 at a senior level in History. Any AUIND course may also count towards this requirement.
- ★6 additional in History
- Within the requirements above, a minimum of ★3 from each of two of the following fields of history:

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**Ancient:**

- AUHIS 203
- AUHIS 204
- AUHIS 207 - History of the Roman Republic
- AUHIS 208 - History of the Roman Empire
- Canadian:

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**AUHIS 262 - History of Canadian Economic Development**

- AUHIS 271 - The History of Women in Canadian Society
- AUHIS 360 - Selected Topics in Canadian History
- AUHIS 361 - Selected Topics in Canadian History
- AUHIS 363
- AUHIS 366
- AUHIS 368 - History of Sport in Canada
- AUHIS 369 - History of Canada's Aboriginal Peoples
- AUHIS 372 - History of Quebec
- AUHIS 375 - Canadian Environmental History
- AUHIS 460 - Selected Topics in Canadian History
- AUHIS 461 - Selected Topics in Canadian History
- AUHIS 463
- AUHIS 475 - Canadian Environmental History

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**European:**

- AUHIS 201 - European History I: Fall of the Roman Empire to the French Revolution
- AUHIS 202 - European History II: French Revolution to the Present
- AUHIS 243 - British History since 1688
- AUHIS 316 - Europe in the Eighteenth Century
- AUHIS 322 - Nineteenth-Century Europe to 1849
- AUHIS 323 - Nineteenth-Century Europe since 1849
- AUHIS 325 - Twentieth-Century Europe
- AUHIS 328 - Germany since Frederick the Great
- AUHIS 329 - Topics in the History and Culture of Southern France
- AUHIS 337 - History of the Soviet Union, 1917 to 1941
- AUHIS 338 - History of the Soviet Union, 1941 to 1991
- AUHIS 425 - Twentieth-Century Europe

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**Indigenous:**

- AUHIS 366
- AUHIS 369 - History of Canada's Aboriginal Peoples
- AUIND 240 - Introduction to Indigenous Cultural Production
- AUIND 300 - Selected Topics in Indigenous Studies
- AUIND 367 - The Fur Trade
- AUIND 370 - Oral History
- AUIND 390 - Directed Studies in Indigenous Studies
- AUIND 399 - Theories in Indigenous Studies
- AUIND 400 - Selected Topics in Indigenous Studies
- AUIND 467 - The Fur Trade
- AUIND 470 - Oral History

- AUIND 490 - Directed Studies in Indigenous Studies
- AUIND 499 - Theories in Indigenous Studies

#### Sport:

- AUHIS 212 - Sport, Physical Activity, and the Body: Historical Perspectives
- AUHIS 312 - The Modern Olympic Games
- AUHIS 368 - History of Sport in Canada

#### United States:

- AUHIS 250 - United States History to 1865
- AUHIS 251 - United States History since 1865
- AUHIS 356 - History of the United States West
- AUHIS 454 - The United States Civil War Era, 1846 to 1877

#### Women's:

- AUHIS 271 - The History of Women in Canadian Society

- AUSOC 222 - Canadian Social Issues
- AUSOC 225 - Criminology: A Canadian Perspective

## Minor in Interdisciplinary Studies in the area of Crime and Community

Crime and Community is an interdisciplinary program that requires the completion of a selection of courses from a variety of disciplines.

#### Requirements

- ★9 senior credits in Crime and Community or the cross-listed equivalents
- AUCRI 160 - Introduction to Crime, Correction, and Community **OR**
- AIDS 160 - Introduction to Crime, Correction, and Community

#### ★3 from

- AUPSY 103 - Introduction to Psychology
- AUSOC 101 - Introducing Sociology: Principles and Practice
- AUSOC 103 - Introducing Sociology: Institutions and Insight
- AUSOC 105 - Social Anthropology

#### ★3 from

- AUHIS 271 - The History of Women in Canadian Society
- AUHIS 369 - History of Canada's Aboriginal Peoples
- AUPHI 260 - Ethics
- AUPOL 221
- AUPSY 240 - Social Psychology
- AUPSY 256 - Developmental Psychology
- AUPSY 263 - Memory and Cognition
- AUPSY 348 - Industrial and Organizational Psychology
- AUPSY 477 - The Neurobiology of Learning, Memory, and Addiction
- AUSOC 271 - The Family
- AUSOC 275 - Sex, Gender, and Society
- AUSOC 393 - Political Sociology

#### Additional information for students

1. A student pursuing employment in this area is strongly encouraged to acquire language skills in French and/or Cree.
2. A student wishing to pursue graduate studies in a related area should contact the coordinator of Crime and Community in the Social Sciences Department for program advice.
3. Some courses are not offered every academic year. Further details about individual courses may be found in Course Listings under the respective disciplines.

## Development Studies

Augustana offers an Interdisciplinary Studies major in Global and Development Studies and minors in two streams of Development Studies: Canadian and International Issues, and Community Service Exchange. For further information about Development Studies, a student should contact any of the Development Studies faculty.

## Major in Interdisciplinary Studies - Global and Development Studies

#### Requirements

- AUCSL 100 - An Introduction to Community Engagement **OR** other AUCSL course
- 
- AIDS 100 - The World in Progress: Inquiry in the Social Sciences
- AUGDS 400 - Capstone Research Seminar

#### Additional Requirements

- ★6 in a single language (normally of the region of the Semester Abroad or International Tour or of a cross-cultural immersion experience within Canada).
- One exchange (at least one month in duration), an approved semester abroad, an approved practicum, internship or co-op experience.

**★24 (with ★12 in each of two areas of the following specializations, with at least ★3 at the 300- to 400-level in both):**

#### Business & Economics:

- AUECO 101 - Introduction to Microeconomics

## Interdisciplinary Studies

### Minor in Interdisciplinary Studies in the area of Canadian Studies

Canadian Studies is an interdisciplinary program that requires the completion of a selection of courses from a variety of disciplines. Courses that are eligible to be taken as part of a Canadian Studies minor are listed below. A student should consult an Augustana Faculty Academic Adviser for assistance in planning a Canadian Studies program. Further details about individual courses may be found in Course Listings under the respective disciplines.

#### Requirements

1. ★12 in Canadian Studies, including ★6 from each of two different disciplines.
2. 6 additional credits in Canadian Studies from any discipline.
3. Within the (1) and (2) course selection above, at least 12 senior credits in Canadian Studies.

#### Additional information for students

#### Augustana Faculty courses eligible for inclusion in a Canadian Studies minor:

- AUART 223 - Canadian Art
- AUCRI 200 - Young Offenders and the Law
- AUCRI 222 - Canadian Social Issues
- AUCRI 225 - Criminology: A Canadian Perspective
- AUCRI 353 - Law, Politics, and the Judicial Process
- AUECO 251 - History of Canadian Economic Development
- AUECO 346 - Agricultural Economics
- AUENG 280 - Canadian Literature to 1950
- AUENG 281 - Canadian Literature since 1950
- AUENG 380 - Canadian Literature to 1950
- AUENG 381 - Canadian Literature since 1950
- AUENV 320 - Parks and Wilderness
- AUENV 375 - Canadian Environmental History
- AUENV 420 - Parks and Wilderness
- AUENV 475 - Canadian Environmental History
- AUGEO 320
- AUGEO 341 - Geography of the Canadian North
- AUGEO 420
- AUHIS 260 - An Introduction to the Study of Canadian History to 1867
- AUHIS 261 - An Introduction to the Study of Canadian History, 1867 to the Present
- AUHIS 262 - History of Canadian Economic Development
- AUHIS 271 - The History of Women in Canadian Society
- AUHIS 369 - History of Canada's Aboriginal Peoples
- AUHIS 372 - History of Quebec
- AUHIS 375 - Canadian Environmental History
- AUHIS 475 - Canadian Environmental History
- AUPED 368 - History of Sport in Canada
- AUPED 469 - Sport and Canadian Popular Culture
- AUPOL 221
- AUPOL 353 - Law, Politics, and the Judicial Process
- AUPSY 346 - Community Psychology
- AUSOC 103 - Introducing Sociology: Institutions and Insight
- AUSOC 105 - Social Anthropology
- AUSOC 200 - Young Offenders and the Law



- AUECO 102 - Introduction to Macroeconomics
- AUECO 251 - History of Canadian Economic Development
- AUECO 252 - India Tour Orientation
- AUECO 254 - India Tour
- AUECO 341 - Environmental Economics
- AUECO 346 - Agricultural Economics
- AUECO 364 - Development Economics
- AUECO 480 - Ethics in Economics and Business
- AUMGT 100 - Introduction to Business
- AUMGT 200 - Introduction to Management
- AUMGT 320 - Business Law
- AUMGT 340 - Organizational Behaviour

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**Environment:**

- AUENV 120 - Human Activities and the Natural Environment
- AUENV 260 - Environmental Studies Practicum
- AUENV 268 - Women and Environmental Literature
- AUENV 320 - Parks and Wilderness
- AUENV 324 - Resource and Environmental Management
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 328 - Environmental Politics
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 344 - Environmental Psychology
- AUENV 345 - Religion and Ecology
- AUENV 358 - Environmental Sociology
- AUENV 368 - Women and Environmental Literature
- AUENV 375 - Canadian Environmental History
- AUENV 420 - Parks and Wilderness
- AUENV 421 - Environmental Science: History and Impacts
- AUENV 475 - Canadian Environmental History or cross-listed equivalents

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**Gender:**

- AUENG 202
- AUENG 268 - Women and Environmental Literature
- AUENG 292 - Feminist Critical Theory and Women's Writing
- AUENG 302
- AUENG 368 - Women and Environmental Literature
- AUENG 392 - Feminist Critical Theory and Women's Writing
- AUENV 268 - Women and Environmental Literature
- AUENV 368 - Women and Environmental Literature
- AUGER 293 - Women and German Literature in Translation
- AUHIS 271 - The History of Women in Canadian Society
- AUIDS 230 - Introduction to Women's Studies
- AUMUS 321
- AUMUS 421
- AUPED 266 - Women in Sport and Physical Activity
- AUPOL 355 - Gender and Politics
- AUSOC 275 - Sex, Gender, and Society
- AUSOC 279 - Women in Contemporary Cuba
- AUSOC 377 - Theoretical Approaches to Gender
- AUSPA 253 - Women in Contemporary Cuba

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**International Relations:**

- AUPOL 240 - Introduction to International Relations I
- AUPOL 248 - Model United Nations/International Organization
- AUPOL 341 - The Global South and World Politics
- AUPOL 343 - Selected Topics in International Political Economy
- AUPOL 348 - Model United Nations/International Organization
- AUPOL 443 - Selected Topics in International Political Economy
- AUSOC 393 - Political Sociology

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**Philosophy, Religion & Culture:**

- AUPHI 290
- AUPHI 355 - Philosophy and the Environment
- AUPHI 392 - World Philosophy: Comparing Perspectives
- AUPSY 442 - Psychology in a Cultural Context
- AUREL 260 - India Tour Orientation
- AUREL 263 - Spirituality and Globalization
- AUREL 266 - India Tour
- AUREL 270 - Selected topics in Religion and Public Life
- AUREL 271 - Selected Topics in Religion and Public Life
- AUREL 272
- AUREL 345 - Religion and Ecology
- AUSOC 262 - Mass Communication and Contemporary Society

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**Engagement & Social Change:**

- Any AUCSL course

- AUGDS 223
- AUGDS 323 - Development Studies Practicum
- AUPED 290 - Studies in Leadership Theory
- AUPED 383 - Programming and Processing the Adventure Experience
- AUPED 389 - Foundations of Outdoor, Adventure, and Experiential Education
- AUSOC 218 - Sociology of Global and Development Issues
- AUSOC 222 - Canadian Social Issues
- AUSOC 341 - Sociology of Food
- AUSOC 367
- AUSOC 371
- AUSOC 391 - Social Change from Development to Globalization
- AUSOC 393 - Political Sociology

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**Individualized:**

- At least ★12 in a well defined interdisciplinary area of Global and Development Studies approved by the Chair of Social Science.

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**Additional information for students**

1. The ★42 required in I. above represent the minimum. Up to ★60 from the courses listed above may be used to count on the major. Those seeking to enter graduate school are encouraged to take the maximum.
2. Global and Development Studies is an interdisciplinary program that requires the completion of a selection of courses from a variety of disciplines. Some of these courses have junior prerequisites, which should be taken in the student's first year. Some courses have senior pre- or corequisites. Further details about individual courses may be found in Course Listings.
3. While participation in international programs is highly encouraged, it is possible to satisfy all the requirements locally or within Canada. It is strongly encouraged that a student who stays in this region find a cultural experience different from their own background, whether on a First Nation's reserve or in the Inner-city or in a rural community.
4. Many senior courses are offered in alternate years only...

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**Minor in Interdisciplinary Studies in the area of Global and Development Studies**


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**Requirements**

- AUCSL 100 - An Introduction to Community Engagement or other AUCSL course
- AUGDS 400 - Capstone Research Seminar
- AUIDS 100 - The World in Progress: Inquiry in the Social Sciences

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**Additional Requirements**

- ★6 in a single language (normally of the region of the Semester Abroad or International Tour or of a cross-cultural immersion experience within Canada).
- One exchange (at least one month in duration), an approved semester abroad, an approved practicum, internship or co-op experience.

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**★12 in from one of the following areas of specialization, with at least ★3 at the 300- to 400-level:**


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**Business & Economics:**

- AUECO 101 - Introduction to Microeconomics
- AUECO 102 - Introduction to Macroeconomics
- AUECO 251 - History of Canadian Economic Development
- AUECO 252 - India Tour Orientation
- AUECO 254 - India Tour
- AUECO 341 - Environmental Economics
- AUECO 346 - Agricultural Economics
- AUECO 364 - Development Economics
- AUECO 480 - Ethics in Economics and Business
- AUMGT 100 - Introduction to Business
- AUMGT 200 - Introduction to Management
- AUMGT 320 - Business Law
- AUMGT 340 - Organizational Behaviour

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**Environment:**

- AUENV 120 - Human Activities and the Natural Environment
- AUENV 260 - Environmental Studies Practicum
- AUENV 268 - Women and Environmental Literature
- AUENV 320 - Parks and Wilderness
- AUENV 324 - Resource and Environmental Management
- AUENV 327 - Environmental Education and Heritage Interpretation

- AUENV 328 - Environmental Politics
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 344 - Environmental Psychology
- AUENV 345 - Religion and Ecology
- AUENV 358 - Environmental Sociology
- AUENV 368 - Women and Environmental Literature
- AUENV 375 - Canadian Environmental History
- AUENV 420 - Parks and Wilderness
- AUENV 421 - Environmental Science: History and Impacts
- AUENV 475 - Canadian Environmental History or cross-listed equivalents

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**Gender:**

- AUENG 202
- AUENG 268 - Women and Environmental Literature
- AUENG 292 - Feminist Critical Theory and Women's Writing
- AUENG 302
- AUENG 368 - Women and Environmental Literature
- AUENG 392 - Feminist Critical Theory and Women's Writing
- AUENV 268 - Women and Environmental Literature
- AUENV 368 - Women and Environmental Literature
- AUGER 293 - Women and German Literature in Translation
- AUHIS 271 - The History of Women in Canadian Society
- AUIDS 230 - Introduction to Women's Studies
- AUMUS 321
- AUMUS 421
- AUPED 266 - Women in Sport and Physical Activity
- AUPOL 355 - Gender and Politics
- AUSOC 275 - Sex, Gender, and Society
- AUSOC 279 - Women in Contemporary Cuba
- AUSOC 377 - Theoretical Approaches to Gender
- AUSPA 253 - Women in Contemporary Cuba

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**International Relations:**

- AUPOL 240 - Introduction to International Relations I
- AUPOL 248 - Model United Nations/International Organization
- AUPOL 341 - The Global South and World Politics
- AUPOL 343 - Selected Topics in International Political Economy
- AUPOL 348 - Model United Nations/International Organization
- AUPOL 443 - Selected Topics in International Political Economy
- AUSOC 393 - Political Sociology

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**Philosophy, Religion & Culture:**

- AUPHI 290
- AUPHI 355 - Philosophy and the Environment
- AUPHI 392 - World Philosophy: Comparing Perspectives
- AUPSY 442 - Psychology in a Cultural Context
- AUREL 260 - India Tour Orientation
- AUREL 263 - Spirituality and Globalization
- AUREL 266 - India Tour
- AUREL 270 - Selected topics in Religion and Public Life
- AUREL 271 - Selected Topics in Religion and Public Life
- AUREL 272
- AUREL 345 - Religion and Ecology
- AUSOC 262 - Mass Communication and Contemporary Society

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**Engagement & Social Change:**

- Any AUCSL course
- AUGDS 223 - Development Studies Practicum
- AUGDS 323 - Development Studies Practicum
- AUPED 290 - Studies in Leadership Theory
- AUPED 383 - Programming and Processing the Adventure Experience
- AUPED 389 - Foundations of Outdoor, Adventure, and Experiential Education
- AUSOC 218 - Sociology of Global and Development Issues
- AUSOC 222 - Canadian Social Issues
- AUSOC 341 - Sociology of Food
- AUSOC 367
- AUSOC 371
- AUSOC 391 - Social Change from Development to Globalization
- AUSOC 393 - Political Sociology

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**Individualized:**

- At least ★12 in a well defined interdisciplinary area of Global and Development Studies approved by the Chair of Social Science.

## Additional information for students

1. Global and Development Studies is an interdisciplinary program that requires the completion of a selection of courses from a variety of disciplines. Some of these courses have junior prerequisites, which should be taken in the student's first year. Others have no junior prerequisites but may not be taken in first year by virtue of being senior courses (having course numbers of 200 or higher). Some courses have senior pre- or corequisites, either in addition to or instead of junior prerequisites. Further details about individual courses may be found in Course Listings.
2. Many senior courses are offered in alternate years only...

## Minor in Interdisciplinary Studies - Individualized

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**Requirements**

1. ★18 in a well-defined interdisciplinary area as determined by the student and a supervising instructor. At least ★12 must be at the senior level.
2. Approval of an Application for a Minor in Interdisciplinary Studies before the student declares a minor in Interdisciplinary Studies.

## Minor in Interdisciplinary Studies in the area of Gender and Women's Studies

Gender and Women's Studies is an interdisciplinary program that requires the completion of a selection of courses from a variety of disciplines. Courses that are eligible to be taken as part of a Gender and Women's Studies minor are listed below. A student should consult an Augustana Faculty Academic Adviser for assistance in planning a Gender and Women's Studies program. Further details about individual courses may be found in Course Listings under the respective disciplines.

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**Requirements**

- 15 additional senior credits in Gender and Women's Studies
- AUIDS 230 - Introduction to Women's Studies

## Additional information for students

Selected Topics and Directed Readings courses may be offered each year that will be appropriate for this minor. Consult an Augustana Academic Adviser for information.

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**Augustana Faculty courses eligible for inclusion in a Gender and Women's Studies minor:**

- AUCRI 453 - Women and the Law
- AUENG 202
- AUENG 207 - Aboriginal/Indigenous Literature
- AUENG 268 - Women and Environmental Literature
- AUENG 302
- AUENG 307 - Aboriginal/Indigenous Literature
- AUENG 368 - Women and Environmental Literature
- AUENG 392 - Feminist Critical Theory and Women's Writing
- AUENG 420
- AUGER 293 - Women and German Literature in Translation
- AUHIS 271 - The History of Women in Canadian Society
- AUIDS 230 - Introduction to Women's Studies
- AUIDS 302 - Exploring Body Issues
- AUMUS 321
- AUMUS 421
- AUPED 266 - Women in Sport and Physical Activity
- AUPOL 355 - Gender and Politics
- AUPOL 453 - Women and the Law
- AUPSY 338 - Intimate Relationships and Human Sexuality
- AUSOC 275 - Sex, Gender, and Society
- AUSOC 377 - Theoretical Approaches to Gender
- (others may be available each year, check with an Augustana Academic Adviser).

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**Management**

Augustana Faculty offers a Bachelor of Management in Business Economics (BMgt) degree. More information on the BMgt is available in Bachelor of Management in Business Economics (BMgt) [Augustana].

Note: The Management minor is available to students in the BA, BMus, and BSc programs in Augustana Faculty. Students registered in a BMgt degree program are not eligible to register for a Management minor..

## Minor in Management

### Requirements

- AUMGT 100 - Introduction to Business
- AUMGT 200 - Introduction to Management
- AUECO 480 - Ethics in Economics and Business

#### 9 additional senior credits from

- AUACC 311 - Introductory Accounting
- AUACC 322 - Managerial Accounting
- AUMGT 310 - Corporate Finance
- AUMGT 320 - Business Law
- AUMGT 330 - Introduction to Marketing
- AUMGT 340 - Organizational Behaviour

## Mathematics and Physics

### Major in Mathematics and Physics

A student may choose a BA or BSc in Mathematics and Physics. See Augustana Faculty for Admission Requirements.

#### Requirements

A student may choose a BA or BSc in Mathematics and Physics. See Augustana Faculty for Admission Requirements.

#### Requirements

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 112 - Elementary Calculus II
- AUMAT 120 - Linear Algebra I
- AUMAT 211 - Intermediate Calculus I
- AUMAT 212 - Intermediate Calculus II
- AUMAT 220 - Linear Algebra II
- AUMAT 229 - Introduction to Group Theory
- AUMAT 250 - Discrete Mathematics
- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics
- AUPHY 250 - Electricity and Magnetism
- AUPHY 260 - Introduction to Relativity and Quantum Mechanics
- AUPHY 391 - Advanced Laboratory I
- ★3 from
- AUMAT 332 - Mathematical Ecology and Dynamical Systems
- AUMAT 340 - Numerical Methods
- AUPHY 340 - Numerical Methods in Physics
- 
- AUMAT 480 - History of Mathematics and Physics **OR**
- AUPHY 480 - History of Physics and Mathematics

#### Additional Requirements

- 9 additional credits in AUMAT or AUPHY at least 6 of which are at the 300-level or higher.

#### Additional information for students

1. AUCSC 111 is recommended. It is a prerequisite or corequisite for some senior AUMAT and AUPHY courses.
2. Students interested in graduate studies (i.e., a MSc or PhD degree) should take more than the minimum required credits at the 300- and 400-levels, and should especially consider taking a directed study course at the 400-level (i.e., AUMAT 495 or AUPHY 495).
3. Most senior courses (200-level and above) are taught in alternate years only (or possibly even more rarely, depending on student demand).

### Minor in Mathematics

#### Requirements

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 112 - Elementary Calculus II
- AUMAT 120 - Linear Algebra I
- AUMAT 250 - Discrete Mathematics

#### Additional Requirements

- 9 additional senior credits in Mathematics

### Minor in Physics

#### Requirements

- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics
- AUPHY 250 - Electricity and Magnetism

#### Additional Requirements

- An additional ★9 at the senior level in Physics.

#### Additional information for students

Many senior Physics courses are offered only if there is sufficient student demand.

## Modern Languages

### Major in Modern Languages

See Augustana Faculty for Admission Requirements.

#### Requirements

- ★48-60 chosen from two of the following four areas:

#### French

- AUFRE 201 - Intermediate French I
- AUFRE 202 - Intermediate French II
- AUFRE 301 - Advanced French I

#### Additional Requirements for French

- ★12-18 additional at a senior level in French, including at least ★9 at the 300- or 400-level (★3 of the aforementioned must be at the 400-level). Additional senior courses outside of Modern Languages (for example AUHIS, AUIDS, AULAN, etc.) which are linked to culture, history, language acquisition, etc. may be eligible to count in this category. Please consult with your Academic Advisor regarding the approval process.

#### German

- AUGER 201 - Intermediate German I **AND**
- AUGER 202 - Intermediate German II **OR**
- AUGER 200 - Intermediate German I and II
- 
- AUGER 301 - Advanced German I **AND**
- AUGER 302 - Advanced German II **OR**
- AUGER 300 - Advanced German I and II

#### Additional Requirements for German

- ★9-15 additional senior in German, including at least ★9 at the 300- or 400-level (★3 of the aforementioned must be at the 400-level). Additional senior courses outside of Modern Languages (for example AUHIS, AUIDS, AULAN, etc.) which are linked to culture, history, language acquisition, etc. may be eligible to count in this category. Please consult with your Academic Advisor regarding the approval process

#### Scandinavian Studies

- AUSCA 101 - Beginners' Norwegian I
- AUSCA 102 - Beginners' Norwegian II
- AUSCA 201 - Intermediate Norwegian I
- AUSCA 202 - Intermediate Norwegian II

#### Additional Requirements for Scandinavian Studies

- ★9-15 additional at a senior level in Scandinavian Studies, including at least ★9 at the 300- or 400-level (★3 of the aforementioned credits must be at the 400-level). Additional senior courses outside of Modern Languages (for example AUHIS, AUIDS, AULAN, etc.) which are linked to culture, history, language acquisition, etc. may be eligible to count in this category. Please consult with your Academic Advisor regarding the approval process

#### Spanish

- AUSPA 101 - Beginners' Spanish I **OR**
- AUSPA 103 - Introductory Spanish I
-

- AUSPA 102 - Beginners' Spanish II **OR**
- AUSPA 104 - Introductory Spanish II
- 
- AUSPA 201 - Intermediate Spanish I **OR**
- AUSPA 203 - Intermediate Spanish I
- 
- AUSPA 202 - Intermediate Spanish II **OR**
- AUSPA 204 - Intermediate Spanish II

#### Additional Requirements for Spanish

- ★9-15 additional at a senior level in Spanish, including at least ★9 at the 300- or 400-level, (★3 of the aforementioned must be at the 400-level). Additional senior courses outside of Modern Languages (for example AUHIS, AUIDS, AULAN, etc.) which are linked to culture, history, language acquisition, etc. may be eligible to count in this category. Please consult with your Academic Advisor regarding the approval process.

#### Additional Requirements for the Modern Languages Major

- • At least ★6 in each of the two chosen languages must be taken in an immersion setting. See additional information for students, below.

### Additional information for students

1. A student considering an after-degree program in Education, or graduate studies, should obtain a minimum of ★36 in one language.
2. An online placement test must be taken before registering in AUFRE 201 for the purpose of advising the student of the appropriate level at which they should begin university French studies. Advanced placement is possible for a student with previous experience in the language.
3. A student who has chosen French as an area of study is required to take senior offerings (★6 senior), in an immersion setting such as the Summer Language Bursary Program offered by the Government of Canada or the Perpignan Year Program.

A student who has chosen German as an area of study is required to take senior offerings (★6 senior) in an immersion setting such as the Canadian Summer School in Germany (Kassel) or Waterloo in Germany.

A student who has chosen Scandinavian Studies as an area of study is required to take senior offerings (★6 senior) in an immersion setting such as the Oslo International Summer School, University of Bergen Summer Program or Scandinavian Studies in Telemark Program.

A student who has chosen Spanish as an area of study is required to take senior offerings (★6 senior) in an immersion setting such as the Augustana-in-Cuba program or the Puebla-Alberta Community Service Exchange program.

4. A French student is strongly encouraged to take AULAT 101 and AULAT 102.
5. Other recommended courses:
  - AULAN 101 - Introduction to Linguistic Analysis
  - AUPSY 373 - Psychology of Language
  - AUSOC 105 - Social Anthropology
6. Some senior courses in French, German, Scandinavian Studies, and Spanish are not offered every year.

#### Recommended first-year program

- Students with French 30/German 30 can start at the 200-level in French/German in the first year.

#### Required courses: two of the following ★6 sequences:

- AUFRE 201 - Intermediate French I
- AUFRE 202 - Intermediate French II
- 
- AUGER 201 - Intermediate German I
- AUGER 202 - Intermediate German II
- 
- AUSCA 101 - Beginners' Norwegian I
- AUSCA 102 - Beginners' Norwegian II
- 
- AUSPA 101 - Beginners' Spanish I
- AUSPA 102 - Beginners' Spanish II

### Minor in French

#### Requirements

- AUFRE 201 - Intermediate French I
- AUFRE 202 - Intermediate French II

- AUFRE 301 - Advanced French I

#### Additional Requirements

- 9 additional senior credits in French.

### Additional information for students

1. A student must take an online placement test before registering in AUFRE 201. The purpose of the test is to advise the student of the appropriate level at which to begin university French studies.
2. A student with a recent immersion background is advised to take AUFRE 305 in the first Fall Term and AUFRE 202 in the Winter Term.
3. AULAT 101 and AULAT 102 are highly recommended.
4. A student with a minor in French is encouraged to take advantage, at the end of the first year, of the Summer Language Bursary Program offered by the Government of Canada.
5. A student with a minor in French is encouraged to take advantage of the Perpignan Program which could enable the third year to be taken abroad.
6. Many senior French courses are offered in alternate years only..

### Minor in German

#### Requirements

- AUGER 201 - Intermediate German I **AND**
- AUGER 202 - Intermediate German II **OR**
- AUGER 200 - Intermediate German I and II
- 
- AUGER 301 - Advanced German I **AND**
- AUGER 302 - Advanced German II **OR**
- AUGER 300 - Advanced German I and II

#### Additional Requirements

- 6 additional senior credits in German (optionally including a maximum of ★3 in literature in translation).

### Additional information for students

1. Advanced placement is possible for a student with previous experience in the German language. A placement exam may be given in AUGER 201 for the purpose of advising the student of the appropriate level at which they should begin university language studies. This exam is given shortly after the start of classes in order to facilitate movement between levels.
2. A student with a minor in German is encouraged to participate in the Canadian Summer School in Germany at the end of the first or second year.
3. Many senior German courses are offered in alternate years only.

### Minor in Scandinavian Studies

#### Requirements

- AUSCA 101 - Beginners' Norwegian I
- AUSCA 102 - Beginners' Norwegian II
- AUSCA 201 - Intermediate Norwegian I
- AUSCA 202 - Intermediate Norwegian II

#### Additional Requirements

- 6 additional senior credits in Scandinavian Studies.

### Additional information for students

1. Advanced placement is possible for the student with previous experience in the Norwegian language.
2. A student is strongly encouraged to upgrade their language skills in an immersion setting (through the University of Bergen Summer Program, the International Summer School or the Scandinavian Studies in Telemark Program) after the first or second year of studies.
3. Some senior courses are offered in alternate years only..

### Minor in Spanish

#### Requirements

- AUSPA 101 - Beginners' Spanish I **OR**
- AUSPA 103 - Introductory Spanish I
- 
- AUSPA 102 - Beginners' Spanish II **OR**

- AUSPA 104 - Introductory Spanish II
- 
- AUSPA 201 - Intermediate Spanish I **OR**
- AUSPA 203 - Intermediate Spanish I
- 
- AUSPA 202 - Intermediate Spanish II **OR**
- AUSPA 204 - Intermediate Spanish II

### Additional Requirements

- 6 additional senior credits in Spanish.

### Additional information for students

1. Advanced placement is possible for the student with previous experience in the Spanish language.
2. A student is strongly encouraged to upgrade their own language skills in an immersion setting such as the Augustana-in-Cuba program after the first or second year of studies.
3. Some senior courses are offered in alternate years only...

## Music

### Bachelor of Arts, Music Major

#### Overview

The Bachelor of Arts, Music Major is more general and flexible than the BMus degree program, as it is less performance-oriented and a much broader base of academic study. A Music Minor is also available for the student having a major in another discipline. More information on the BMus is available in Bachelor of Music (BMus).

#### Major in Music

#### Admission Requirements

See Augustana Faculty. Each student who wishes to be exempt from taking AUMUS 100 must complete the Music Theory Placement Exam (MTPE): a student who scores lower than 70% must register in AUMUS 100. For further information about entrance into the Music program, contact the Department of Fine Arts and Humanities, Augustana Faculty.

#### Requirements

1. Theoretical and Analytical Studies, Musicianship Skills: AUMUS 160, AUMUS 162, AUMUS 260, AUMUS 262.
2. Music History and Literature, Music in Society: AUMUS 170, AUMUS 224, AUMUS 225, AUMUS 226, and ★3 from AUMUS 322, AUMUS 330, AUMUS 422 or AUMUS 430.
3. Applied Music (instrumental/vocal lessons) and Ensemble courses: ★9 (with at least ★4 in each category).
4. Music options: a minimum of ★9.
5. AUMUS 495 and AUMUS 496 or ★3 from AUMUS 422 or AUMUS 430. Note: This is an overlapping requirement with (2) and (3).
6. The set of courses selected in (2)- (5) above must include at least ★12 credits at the 300- and 400-levels.
7. A passing grade in the Keyboard Skills Proficiency Examination (KSPE). See Music Handbook online for details.
8. Successful completion of the Recital Attendance Requirement (RAR). For every year in a Music program at Augustana, a student must attend a minimum of 10 RAR-designated events per year. Failure to achieve this minimum in a given year will require withdrawal from any Music program (BMus or BA). A minimum of 40 recitals or concerts is required for graduation unless transferring in from another institution or program.

### Additional information for students

1. A student considering graduate studies in Music is encouraged to take elective courses that examine cultural and critical theory.
2. A student considering graduate studies in Music should note that certain graduate programs require a reading knowledge of one or more of French, Italian, and German. In addition, the student should include other courses such as AUMUS 261, AUMUS 263, AUMUS 361, AUMUS 369, and another course from Music History and Literature, Music in Society. To facilitate entry

into a graduate program with an academic emphasis, a student should include additional courses from Music and other disciplines, including those which encourage interdisciplinary perspectives. To facilitate entry into a graduate program with a performance emphasis, a student should include third- and fourth-year recitals, ensembles, conducting, and other courses relevant to the area of emphasis.

3. A student considering further studies in Music Education should include AUMUS 231, AUMUS 235, AUMUS 236, and AUMUS 336, as well as further courses in ensembles and/or applied Music.
4. A student should prepare to pass the Keyboard Skills Proficiency Examination (KSPE) in third or fourth year.
5. Senior Music courses are offered in alternate years only.

### Recommended first-year programs

#### Required courses

- Applied music and ensemble courses.
- 
- AUMUS 160 - Theoretical and Analytical Studies I
- AUMUS 162 - Aural and Sight Singing Skills I
- AUMUS 170 - Tuning In: An Introduction to Music

### Recommended programs for subsequent years

#### Recommended second-year program includes:

- AUMUS 260 - Theoretical and Analytical Studies II
- AUMUS 261 - Theoretical and Analytical Studies III
- AUMUS 262 - Aural and Sight Singing Skills II
- AUMUS 263 - Aural and Sight Singing Skills III
- Applied music and ensemble courses.

#### Two of

- AUMUS 224 - Medieval and Renaissance Music
- AUMUS 225 - Baroque and Classical Music
- AUMUS 226 - Romantic and Twentieth-Century Music

#### Recommended third-year program includes:

- Applied music and ensemble courses.
- Remaining course from music history surveys (AUMUS 224, AUMUS 225, AUMUS 226).
- AUMUS 322 - Rethinking Music: From Mozart to Madonna
- another course in Music History and Literature, Music in Society as approved by the Department of Humanities and Fine Arts.
- AUMUS 368
- AUMUS 361 - Form, Analysis, and the Construction of Musical Meaning

#### Recommended fourth-year program includes:

- Instrumental/vocal lessons and ensemble courses.
- AUMUS 495 - Applied Music
- AUMUS 496 - Performance Studies II
- or a 400-level course in music history, music theory, or ethnomusicology.
- Additional senior Music courses.

### Minor in Music

See Admission requirements for the major above.

#### Requirements

- Music history and literature, music in society:
- AUMUS 170 - Tuning In: An Introduction to Music
- AUMUS 225 - Baroque and Classical Music
- 
- AUMUS 224 - Medieval and Renaissance Music **OR**
- AUMUS 226 - Romantic and Twentieth-Century Music

#### Theoretical and analytical studies, musicianship skills:

- AUMUS 160 - Theoretical and Analytical Studies I
- AUMUS 162 - Aural and Sight Singing Skills I
- AUMUS 260 - Theoretical and Analytical Studies II
- AUMUS 262 - Aural and Sight Singing Skills II

#### Additional Requirements

- A minimum of ★3 in applied music and/or ensemble courses, with at least ★1 being at the senior level.

# Philosophy and Religion

## Major in Philosophy and Religion

### Major in Philosophy and Religion: General Stream

#### Requirements

- AUREL 100 - Introduction to Religion
- 
- AUPHI 101 - Introduction to Western Philosophy I: Ancient and Medieval Philosophy **OR**
- AUPHI 102 - Introduction to Western Philosophy II: Modern Philosophy

#### ★6 from List A:

- AUGDS 223 - Development Studies Practicum
- AUGDS 323 - Development Studies Practicum
- AUPOL 103 - Introduction to Global and Political Studies
- AUPOL 210 - History of Political Thought I
- AUPOL 211 - History of Political Thought II
- AUPOL 240 - Introduction to International Relations I
- AUPOL 341 - The Global South and World Politics
- AUSOC 218 - Sociology of Global and Development Issues
- AUSOC 262 - Mass Communication and Contemporary Society
- AUSOC 275 - Sex, Gender, and Society
- AUSOC 367
- AUSOC 371
- AUSOC 377 - Theoretical Approaches to Gender

#### ★6 from List B:

- AUPHI 260 - Ethics
- AUPHI 340
- AUPHI 290
- AUPHI 355 - Philosophy and the Environment
- AUREL 212 - Introduction to the Hebrew Bible (Old Testament)
- AUREL 216 - The Hebrew Prophets
- AUREL 257 - Modern Ethics
- AUREL 263 - Spirituality and Globalization
- AUREL 266 - India Tour
- AUREL 270 - Selected topics in Religion and Public Life
- AUREL 345 - Religion and Ecology
- AUREL 365
- AUREL 365 - Storied Landscapes

#### Additional Requirements

- Cross-cultural experience, the equivalent of a minimum of ★3 (see Program Coordinator).
- 9 additional senior credits in AUPHI, nonoverlapping with ★6 from List B.
- 9 additional senior credits in AUREL, nonoverlapping with ★6 from List B.
- ★6 integrative capstone courses at the 400-level.

### Additional information for students

1. A student intending to pursue graduate studies in Philosophy or Religion is encouraged to take up to an additional ★18 in Philosophy or Religion respectively.
2. Students should consult with the Program Coordinator concerning cross-cultural experiences and/or courses.

### Major in Philosophy and Religion: Philosophy Stream

#### Requirements

- AUREL 100 - Introduction to Religion
- 
- AUPHI 101 - Introduction to Western Philosophy I: Ancient and Medieval Philosophy **OR**
- AUPHI 102 - Introduction to Western Philosophy II: Modern Philosophy

#### ★6 from List A:

- AUGDS 223 - Development Studies Practicum
- AUGDS 323 - Development Studies Practicum
- AUPOL 103 - Introduction to Global and Political Studies
- AUPOL 210 - History of Political Thought I
- AUPOL 211 - History of Political Thought II
- AUPOL 240 - Introduction to International Relations I
- AUPOL 341 - The Global South and World Politics

- AUSOC 218 - Sociology of Global and Development Issues
- AUSOC 262 - Mass Communication and Contemporary Society
- AUSOC 275 - Sex, Gender, and Society
- AUSOC 367
- AUSOC 371
- AUSOC 377 - Theoretical Approaches to Gender

#### ★6 from List B:

- AUPHI 260 - Ethics
- AUPHI 290
- AUPHI 340
- AUPHI 355 - Philosophy and the Environment
- AUREL 212 - Introduction to the Hebrew Bible (Old Testament)
- AUREL 216 - The Hebrew Prophets
- AUREL 257 - Modern Ethics
- AUREL 263 - Spirituality and Globalization
- AUREL 266 - India Tour
- AUREL 270 - Selected topics in Religion and Public Life
- AUREL 345 - Religion and Ecology
- AUREL 365 - Storied Landscapes

#### Additional Requirements

- Cross-cultural experience, the equivalent of a minimum of ★3 (see Program Coordinator).
- 9 additional senior credits in AUPHI, nonoverlapping with ★6 from List B.
- ★6 additional senior credits in AUREL or AUPHI, non-overlapping with ★6 from List B.
- 3 additional non-overlapping senior credits in AUREL **OR** One of AUPHI 250, AUPHI 357, AUPHI 358
- ★6 integrative capstone courses at the 400-level.

#### 3 additional non-overlapping senior credits in AUREL or 1 of

- AUPHI 250 - History of Christian Thought
- AUPHI 357
- AUPHI 358 - Philosophy of Religion II
- ★6 integrative capstone courses at the 400-level.

### Additional information for students

1. A student intending to pursue graduate studies in Philosophy or Religion is encouraged to take up to an additional ★18 in Philosophy or Religion respectively.
2. Students should consult with the Program Coordinator concerning cross-cultural experiences and/or courses..

### Minor in Philosophy

#### Requirements

- AUPHI 101 - Introduction to Western Philosophy I: Ancient and Medieval Philosophy
- AUPHI 102 - Introduction to Western Philosophy II: Modern Philosophy
- 12 senior credits in Philosophy.

### Minor in Religion [Augustana]

#### Requirements

- AUREL 100 - Introduction to Religion **OR**
- AUREL 208 - Jesus of Nazareth in Contemporary Theology

## Physical Education

### Major in Physical Education

A student chooses one of the following two streams:

#### BA or BSc (Physical Education - Kinesiology and Sport Studies)

#### Requirements

- AUPED 112 - Structural Human Anatomy
- AUPED 160 - Sociocultural Aspects of Sport and Physical Activity
- AUPED 215 - Introduction to Human Physiology I
- AUPED 314 - Exercise Physiology
- AUPED 393 - Tests and Measurements in Physical Education
- AUPED 462 - Issues in Physical Education
- AUPED 493 - Introduction to Research in Physical Education
- ★9 in AUPAC (Physical Activity Courses).

**Additional Requirements****★6 from**

- AUPED 216 - Introduction to Human Physiology II
- AUPED 220 - Human Growth and Development
- AUPED 232 - Introduction to Biomechanics
- AUPED 251 - Prevention and Care of Athletic Injuries
- AUPED 317 - Exercise in Special Populations
- AUPED 343 - Training Methodologies and Athletic Performance
- AUPED 344 - Introduction to Human Nutrition

**★6 from**

- AUPED 184 - Introduction to Outdoor Education - Snowshoeing **OR**
- AUPED 284 - Introduction to Outdoor Education - Canoeing
- 
- AUPED 262 - Sport, Physical Activity, and the Body: Historical Perspectives
- AUPED 266 - Women in Sport and Physical Activity
- AUPED 290 - Studies in Leadership Theory
- AUPED 360 - Hockey: Culture and Commerce
- AUPED 368 - History of Sport in Canada
- AUPED 369 - The Modern Olympic Games
- AUPED 469 - Sport and Canadian Popular Culture

**An additional ★ 6 at the senior level in Physical Education.****Additional information for students**

1. Not all senior courses are offered every year.
2. Although not required in the major, AUPED 216 is recommended for those Physical Education students who are seeking a BSc degree. AUPED 215 and AUPED 216 are recommended for other students who intend to complete a degree in Physical Therapy, Occupational Therapy, or an Advanced Certificate in Athletic Therapy.
3. No more than 18 junior credits in Physical Activity courses and Physical Education courses combined may be counted towards the Physical Education - Kinesiology and Sports Studies major.

**Recommended first-year program****Required courses**

- AUPED 112 - Structural Human Anatomy
- AUPED 160 - Sociocultural Aspects of Sport and Physical Activity
- ★3 AUPAC 100-199.

**BA or BSc (Physical Education - Outdoor Education)****Requirements**

- AUPED 112 - Structural Human Anatomy
- AUPED 215 - Introduction to Human Physiology I
- AUPED 314 - Exercise Physiology
- AUPED 290 - Studies in Leadership Theory
- AUPED 383 - Programming and Processing the Adventure Experience
- AUPED 389 - Foundations of Outdoor, Adventure, and Experiential Education
- AUPED 393 - Tests and Measurements in Physical Education
- AUPED 462 - Issues in Physical Education
- AUPED 493 - Introduction to Research in Physical Education
- ★9 in AUPAC (Physical Activity Courses).

**Additional Requirements**

- Outdoor education-related certifications are required. Please consult Augustana Physical Education faculty for details.

**★3 from**

- AUPED 216 - Introduction to Human Physiology II
- AUPED 220 - Human Growth and Development
- AUPED 232 - Introduction to Biomechanics
- AUPED 251 - Prevention and Care of Athletic Injuries
- AUPED 317 - Exercise in Special Populations
- AUPED 343 - Training Methodologies and Athletic Performance
- AUPED 344 - Introduction to Human Nutrition

**★3 from**

- AUPED 160 - Sociocultural Aspects of Sport and Physical Activity
- AUPED 262 - Sport, Physical Activity, and the Body: Historical Perspectives
- AUPED 266 - Women in Sport and Physical Activity

- AUPED 360 - Hockey: Culture and Commerce
- AUPED 368 - History of Sport in Canada
- AUPED 369 - The Modern Olympic Games
- AUPED 469 - Sport and Canadian Popular Culture

**★3 from**

- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- AUPED 283 - Introduction to Outdoor Education - Backpacking
- AUPED 284 - Introduction to Outdoor Education - Canoeing
- AUPED 285 - Introduction to Ski Touring

**★3 from**

- AUPED 281 - Explorations of the Canadian North
- AUPED 286 - Outdoor Education and Leadership
- AUPED 388 - Arctic Canoe Expedition

**Additional information for students**

1. It is strongly recommended that a student take AUPAC 326 from ★9 in AUPAC (Physical Activity Courses), above.
2. It is strongly recommended that a student take AUPED 383 and AUPED 389 in the third or fourth year.
3. Although not required in the major, AUPED 216 is recommended for those Physical Education students who are seeking a BSc degree. AUPED 215 and AUPED 216 are recommended for other students who intend to complete a degree in Physical Therapy, Occupational Therapy, or an Advanced Certificate in Athletic Therapy.
4. A student should consider including one or more of AUBIO 253, AUENV 120, AUGEO 230, AUGEO 231, AUGEO 320, AUGEO 324.
5. Some courses are offered in alternate years only.
6. No more than 18 junior credits in Physical Activity courses and Physical Education courses combined may be counted towards the Physical Education - Outdoor Education major.

**Recommended first-year program****Required courses**

- AUPED 112 - Structural Human Anatomy
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- ★3 AUPAC 100-199.

**Minor in Physical Education****Requirements**

- AUPED 112 - Structural Human Anatomy
- ★3 in AUPAC (Physical Education Activity).

**Additional Requirements**

- 12 in AUPED at the senior level.
- 3 additional credits in Physical Education.

**Political Studies****Major in Political Studies****Requirements**

- AUPOL 103 - Introduction to Global and Political Studies
- AIDS 100 - The World in Progress: Inquiry in the Social Sciences
- 
- AUPOL 210 - History of Political Thought I **OR**
- AUPOL 211 - History of Political Thought II
- 
- AUPOL 200 - The Research Process
- AUPOL 221 - Canadian National Government and Politics
- AUPOL 240 - Introduction to International Relations I
- AUPOL 250 - Introduction to Comparative Politics
- AUPOL 300 - Third-Year Seminar
- AUPOL 400 - Research Seminar

**Additional Requirements**

- 12 additional credits of which a minimum of ★9 must be at the 300- or 400-level.

## Additional information for students

1. Many senior Political Studies courses are offered in alternate years only.
2. Students should note that most 300-level and 400-level courses pre-suppose specific 200-level prerequisites. Students proposing to major in Political Studies should generally take AUIDS 100 and AUPOL 103 in the first year, and AUPOL 200, AUPOL 221, AUPOL 240, AUPOL 250 and either AUPOL 210 or AUPOL 211 in the second year where possible, AUPOL 300 in the third year, and AUPOL 400 in the fourth year. Students are also strongly recommended to take ★6 of a second language. .

## Minor in Political Studies

### Requirements

- AUPOL 103 - Introduction to Global and Political Studies
- AUIDS 100 - The World in Progress: Inquiry in the Social Sciences

#### ★6 from

- AUPOL 210 - History of Political Thought I
- AUPOL 211 - History of Political Thought II
- AUPOL 221 - Canadian National Government and Politics
- AUPOL 240 - Introduction to International Relations I
- AUPOL 250 - Introduction to Comparative Politics

### Additional Requirements

- 6 additional senior credits, of which at least ★3 must be at the 300-level or above.

## Psychology

### Major in Psychology

A student may choose a BA or BSc in Psychology. See Augustana Faculty for Admission Requirements.

### Requirements

- AUPSY 103 - Introduction to Psychology
- AUPSY 213 - Statistical Methods for Psychological Research
- AUPSY 313 - Advanced Research Design

#### ★6 from social/personality/developmental.

- AUPSY 220 - Personality
- AUPSY 240 - Social Psychology
- AUPSY 256 - Developmental Psychology

#### ★6 from cognition/perception/physiological.

- AUPSY 263 - Memory and Cognition
- AUPSY 267 - Sensory Processes and Perception
- AUPSY 275 - An Introduction to the Brain and Nervous System

- AUPSY 408 - History and Systems of Psychology

#### OR

- AUPSY 409 - History and Systems of Psychology

### Additional Requirements

- ★12 additional at a senior level in Psychology.
- An additional ★6 Psychology at the 400-level.

## Additional information for students

- A student should take AUPSY 213 and the chosen/required 200-level courses, in the second year.
- AUPSY 313 should be taken in the third year.
- A student who is considering graduate studies in Psychology is advised to take AUPSY 313 in the third year and AUPSY 408/AUPSY 409, AUPSY 497, and AUPSY 499 in the fourth year.
- Many senior Psychology courses are offered in alternate years only.

### Recommended first-year program

- AUPSY 103 - Introduction to Psychology

## Minor in Psychology

### Requirements

- AUPSY 103 - Introduction to Psychology

#### ★3 from social/personality/developmental.

- AUPSY 220 - Personality
- AUPSY 240 - Social Psychology
- AUPSY 256 - Developmental Psychology

#### ★3 from cognition/perception/physiological.

- AUPSY 263 - Memory and Cognition
- AUPSY 267 - Sensory Processes and Perception
- AUPSY 275 - An Introduction to the Brain and Nervous System

### Additional Requirements

- ★9 additional at a senior level in Psychology. AUPSY 213 is recommended.

## Sociology

### Major in Sociology

### Requirements

#### ★6 from

- AUSOC 101 - Introducing Sociology: Principles and Practice
- AUSOC 103 - Introducing Sociology: Institutions and Insight
- AUSOC 105 - Social Anthropology

#### ★6 from

- AUSOC 232 - Theoretic Developments in Sociology I
- AUSOC 233 - Theoretic Developments in Sociology II **OR**
- AUSOC 377 - Theoretical Approaches to Gender

#### ★3 from

- AUPOL 200 - The Research Process
- AUSOC 236 - Research Design and Qualitative Methods
- AUSOC 339 - Fieldwork Methodology

#### ★3 from

- AUSOC 437 - Symbolic Interactionism
- AUSOC 439 - Seminar in Contemporary Sociological Theory

### Additional Requirements

- ★9 in Sociology at the 300-level or above.
- 12 additional senior credits in Sociology.

## Additional information for students

1. A student considering graduate studies in Sociology is strongly encouraged to complete AUSTA 213.
2. Many senior Sociology courses are offered in alternate years only.
3. Students intending to apply for graduate schools are advised, but not required, to take a minimum of ★48 in Sociology.

### Recommended first-year program

#### Required courses: ★6 from

- AUSOC 101 - Introducing Sociology: Principles and Practice
- AUSOC 103 - Introducing Sociology: Institutions and Insight
- AUSOC 105 - Social Anthropology

## Minor in Sociology

### Requirements

#### ★6 from

- AUSOC 101 - Introducing Sociology: Principles and Practice
- AUSOC 103 - Introducing Sociology: Institutions and Insight
- AUSOC 105 - Social Anthropology

#### ★3 from

- AUSOC 232 - Theoretic Developments in Sociology I
- AUSOC 233 - Theoretic Developments in Sociology II
- AUSOC 377 - Theoretical Approaches to Gender

### Additional Requirements

- 9 additional senior credits in Sociology



**Certificate in Community Mental Health: Theory and Practice:**

available to students with a major in Psychology in the Augustana Faculty BA or BSc program (see Certificate in Community Mental Health: Theory and Practice).

**Certificate in Writing Studies:**

available to students in any Augustana degree program (see Certificate in Writing Studies).

# Bachelor of Management in Business Economics (BMgt)

**Overview**

The four year Bachelor of Management in Business Economics consists of ★120 arts, science and professional (see Classification of Courses) including ★66 in the Business Economics program and the credits required for the Foundation, Engagement and Knowledge components of the Augustana Core. Because of the possibility of overlap between the credits required for portions of the Augustana Core and those required for the Business Economics program, a student may also include options or an optional minor as follows:

**Business Economics Program:**

★15 in Economics Foundation courses, ★27 in Management Foundation courses, 9 additional senior credits in Economics courses at least 6 of which must be at the 300-level or above, and 9 additional senior credits in Economics or Management at the 300-level or above.

**The Augustana Core: Foundation**

The Augustana Foundation requirement is met by the completion of one of the following courses:

- AUIDS 101 - Topics in Liberal Studies **OR**
- AUIDS 201 - Foundations in Liberal Studies

**The Augustana Core: Engagement**

Engagement requirements consist of five different categories. A student must complete ★12 from at least three of the five categories up to the maximum indicated; courses which satisfy these requirements may overlap with a student's major:

- Creative & Imaginative Process (maximum ★6)
- Diversity and Global Studies (maximum ★6)
- Environmental Sustainability (maximum ★6)
- Experiential Learning (maximum ★6)
- Integrating Knowledge (maximum ★3)

For more detail on which courses may be counted towards these categories, see Augustana Chart 1 Core Engagement Requirements.

**The Augustana Core: Knowledge**

The ★21 Breadth of Knowledge requirements consist of four different categories; the ★21 credits counted towards these categories may not overlap with a student's first major:

- ★3 Fine Arts
- ★6 Humanities
- ★6 Science
- ★6 Social sciences

For the actual classification of Augustana courses within these categories, see Classification of Courses.

Note: The same credit may not be counted twice in courses that relate to more than one category within the Foundation, Engagement and Knowledge components of the Augustana Core; that is, a total of 36 different credits must be earned to fulfill these requirements.

**Optional minor:**

A minimum of ★18 in one discipline or approved interdisciplinary area, including at least ★12 at the senior level. A student should be aware that it may not be possible to complete certain combinations of majors and minors without extending the time required to earn the degree.

**Options:**

★0-21 (or more, depending on the amount of overlap between the core and the requirements for the major, and/or minor) of the student's choice.

**Residence Requirements**

Students registered in a BMgt program must complete at least ★60 offered by the Augustana Faculty, at least ★54 of which must be at the senior level. However,

1. Language or other study abroad may, with special permission of the Associate Dean, Academic, count toward the residency requirement.
2. An exception to this requirement may be granted to students already holding a BA or BSc who can transfer sufficient credits from their first degree to be able to complete the requirements of the Bachelor of Management in Business Economics degree in fewer than ★60. Normally in such cases at least the final ★45 must be completed at Augustana.

Note: Students transferring into this degree program within the framework of a Faculty-approved transfer agreement must complete ★60 of the final credits of their degree program with credits offered by the Augustana Faculty.

**Program Requirements**

See Augustana Faculty for Admission Requirements

**★15 in Economics Foundation**

- AUECO 101 - Introduction to Microeconomics
- AUECO 102 - Introduction to Macroeconomics
- AUECO 203 - Intermediate Microeconomic Analysis I
- AUECO 204 - Intermediate Macroeconomic Analysis I
- AUECO 480 - Ethics in Economics and Business

**★27 in Management Foundation**

- AUACC 311 - Introductory Accounting
- AUACC 322 - Managerial Accounting
- AUMGT 100 - Introduction to Business
- AUMGT 200 - Introduction to Management
- AUMGT 310 - Corporate Finance
- AUMGT 320 - Business Law
- AUMGT 330 - Introduction to Marketing
- AUMGT 340 - Organizational Behaviour
- AUMGT 490 - Business Policy and Strategy

**★18 in Elective courses**

- 9 additional senior credits in Economics, of which ★3 may be at the 200-level.
- 9 additional senior credits in Economics or Management at the 300- or 400-level.

**★6 in Supporting Courses**

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUSTA 153 - Introductory Applied Statistics

**First-Year Program Recommendations**

- AUECO 101 - Introduction to Microeconomics
- AUECO 102 - Introduction to Macroeconomics
- AUMGT 100 - Introduction to Business
- 
- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUSTA 153 - Introductory Applied Statistics
- 
- AUENG 102 - Critical Reading, Critical Writing **OR**
- AUENG 103 - English Literature from the Romantic Period to the Present
- 12 additional credits toward the Engagement and Knowledge components of the Augustana Core.

# Bachelor of Music (BMus)

## Overview

The Bachelor of Music program consists of ★122, including ★63.5 of core music requirements, ★25.5 in one of the five Bachelor of Music majors, and ★33 of non-music requirements. In two of these majors, Liturgical Arts and Musical Arts, a minor is required; in the other three majors, Piano, Voice, and Comprehensive, a minor is optional. The minor consists of a minimum of ★18 in one discipline or approved interdisciplinary area, including at least ★12 at the senior level. A student should be aware that it may not be possible to complete certain combinations of majors and minors without extending the time required to earn the degree.

## Residence Requirement

Students registered in a BMus program must complete at least 60 credits offered by the Augustana Faculty, at least 54 of which must be at the senior level. However,

Language or other study abroad may, with special permission of the Associate Dean, Academics, count toward the residence requirement

An exception to this may be granted to students already holding a BA or BSc who can transfer sufficient credits from their first degree to be able to complete the requirements of the Bachelor of Music degree in fewer than ★60. Normally in such cases at least the final ★45 must be completed at Augustana.

## General Information

Five majors are available in the Bachelor of Music degree program: Piano, Voice, Comprehensive, Liturgical Arts, Musical Arts:

### Piano

and

### Voice

A student whose career interests include performing and teaching piano or voice would choose one of these majors. Combining rigorous musical training, intellectual development in other disciplines, and all-round flexible thinking, the majors are able to not only prepare a student for further studies and careers in a variety of areas in music and music education, but also for entry into such diverse fields as medicine, speech-language pathology, engineering, and law. Third- and fourth-year recitals are required.

### Comprehensive

A student who seeks intensive studies in an instrument or voice, but wishes to have greater flexibility in music course selections, should consider this major. Combining rigorous musical training, intellectual development in other disciplines, and all-round flexible thinking, the majors are able not only to prepare a student for further studies and careers in a variety of areas in music – for instance, performance, education, arts administration, and musicology – but also for entry into such diverse fields as medicine, speech pathology, engineering and law. Third and fourth-year recitals, although optional, are not required.

### Liturgical Arts

A student considering professional employment as a church musician, or considering graduate studies, may designate this major at the end of the second year of full-time studies (or part-time equivalent). The major emphasizes performance-oriented study in organ, piano, or voice, advanced music history and theory, ensembles, and advanced conducting skills. Studies in liturgical arts, work-experience practica, a required minor in Religion, and other courses from the liberal arts and sciences, provide for a scholarly understanding of and a creative approach to ritual.

### Musical Arts

A student desiring a performance-intensive emphasis in an instrument or voice and wishing to prepare for innovative, emerging research areas and musical professions, would choose this major. It provides for a liberalized curriculum that combines the strong performance emphasis and scholarly breadth of a Bachelor of Music, the requirements for a minor in another discipline, and interdisciplinary research on the relationships between the two disciplines. This is the most unique and "cutting-edge" of the Bachelor of Music majors. A student may apply for this major at the end of two-years - full-time study or part-time equivalent.

## Admission Requirements

See Augustana Faculty. Each student who wishes to be exempt from taking AUMUS 100 must complete the Music Theory Placement Exam (MTPE); a student who scores lower than 70% must register in AUMUS 100. For further information about entrance into the Music program, contact the Department of Fine Arts and Humanities, Augustana Faculty.

## Program Requirements

The minimum of ★122 required during the program is drawn from three areas: Core Music Requirements, Additional Music Requirements According to Major, and Non-Music Requirements.

### Core Music Requirements (★63.5):

A common core of music courses and requirements is required of every student enrolled in the Bachelor of Music program.

- Passing grade in the Keyboard Skills Proficiency Examination (KSPE).
- Successful completion of the Recital Attendance Requirement (RAR). For every year in a Music program at Augustana, a student must attend a minimum of 10 RAR-designated events per year. Failure to achieve this minimum in a given year will require withdrawal from any Music program (BMus or BA). A minimum of 40 recitals or concerts is required for graduation, unless transferring in from another institution or program.
- A student who fails to achieve at least a C+ standing in a primary instrument or voice at the end of an academic year will be required to withdraw from the Bachelor of Music program. Each student's progress will be reviewed annually.
- A student beyond first year who fails to achieve an academic average of at least 2.3 will be required to withdraw from the Bachelor of Music program. Each student's progress will be reviewed annually.

### Music Performance (★24)

- Applied Music, solo instruments and/or voice (★18); at least ★16 and fourth-year status in one instrument or in voice. Note: Consult Department of Fine Arts and Humanities for details.
- Choral and/or Instrumental Ensembles (★6):

### Music History and Literature, Music in Society (★18):

- AUMUS 170 - Tuning In: An Introduction to Music
- AUMUS 224 - Medieval and Renaissance Music
- AUMUS 225 - Baroque and Classical Music
- AUMUS 226 - Romantic and Twentieth-Century Music
- 
- AUMUS 322 - Rethinking Music: From Mozart to Madonna **OR**
- AUMUS 422 - Rethinking Music: From Mozart to Madonna
- 
- AUMUS 330 - Selected Topics in Music **OR**
- AUMUS 430 - Selected Topics in Music

### Theoretical and Analytical Studies, Musicianship Skills (★21.5) credits:

- AUMUS 299 - Fundamental Keyboard Skills
- AUMUS 160 - Theoretical and Analytical Studies I
- AUMUS 162 - Aural and Sight Singing Skills I
- AUMUS 260 - Theoretical and Analytical Studies II
- AUMUS 261 - Theoretical and Analytical Studies III
- AUMUS 262 - Aural and Sight Singing Skills II
- AUMUS 263 - Aural and Sight Singing Skills III
- AUMUS 361 - Form, Analysis, and the Construction of Musical Meaning
- 
- AUMUS 369 - Rethorizing Music: From Modernism to Postmodernism **OR**
- AUMUS 469 - Rethorizing Music: From Modernism to Postmodernism

### Additional Music Requirements According to Major (★25.5):

In addition to the Core Music Requirements (★63.5) listed above, additional courses are required in each major:

- Piano:
- Voice:
- Comprehensive:
- Liturgical Arts:
- Musical Arts:

### Non-Music Requirements (★33 minimum):

Non-Music Required Courses drawn from the Augustana Core: ★15

**Foundations: ★3 from:**

- AUIDS 101 - Topics in Liberal Studies **OR**
- AUIDS 201 - Foundations in Liberal Studies

**Breadth: ★6 from:**

- AUENG 102 - Critical Reading, Critical Writing
- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period

**Engagement - Diversity and Global Studies: ★6**

- second language, with all credits from one language. Note: A Voice major student must include ★6 from AUGER 101, AUGER 102, AUGER 200, AUGER 201, AUGER 202.

**Non-Music Option Courses: ★18-21**

- All majors require a minimum of ★18 of non-Music options, except for the Musical Arts major which requires ★21.
- When choosing non-Music options, the student is encouraged to select remaining courses from the Augustana Core's Breadth of Knowledge and Engagement categories, unless pursuing a minor in another discipline or interdisciplinary area. Consult the Augustana Chart 1 Core Engagement Requirements and Classification of Courses for further details
- A maximum of ★12 in specialized professional courses is allowed in terms of non-Music options.
- A Voice major student must include AUDRA 144.
- A Liturgical Arts major student must complete a minor in Religion (★18). For remaining credits, the student is also encouraged to consider Drama and Art courses as well as those which examine aspects related to Christianity (e.g., AUENG 231/AUENG 331, AUENG 239/AUENG 339, AUENG 301, AUPHI 357, AUPHI 358, AUSOC 103, AUSOC 283).
- A Musical Arts major student must complete a minor in another discipline (★18). For available minors see Programs.

**Additional Information for Students**

A student considering graduate studies in Music is encouraged to take option courses that examine cultural and critical theory.

A student considering graduate studies in Music should note that certain graduate programs require a reading knowledge of one or more of French, German, and Italian.

A student should prepare to pass the Keyboard Skills Proficiency Examination (KSPE) in their third or fourth year.

Senior music courses are often offered in alternate years only.

**Program Recommendations****Recommended first-year program:**

- ★4-6: applied music.
- ★3: ensembles.

**★7.5:**

- AUMUS 160 - Theoretical and Analytical Studies I
- AUMUS 162 - Aural and Sight Singing Skills I
- AUMUS 170 - Tuning In: An Introduction to Music

**★15-17 from:**

- AUENG 102 - Critical Reading, Critical Writing
- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period
- second language, and/or non-Music options and/or

**Recommended second-year program includes:**

- ★4-6: applied music.
- ★3: ensembles.

**★15 from:**

- AUMUS 260 - Theoretical and Analytical Studies II
- AUMUS 261 - Theoretical and Analytical Studies III
- AUMUS 262 - Aural and Sight Singing Skills II
- AUMUS 263 - Aural and Sight Singing Skills III

**and ★6 from**

- AUMUS 224 - Medieval and Renaissance Music

- AUMUS 225 - Baroque and Classical Music
- AUMUS 226 - Romantic and Twentieth-Century Music

**★3-6: non-Music option(s) or remaining credits from**

- AUENG 102 - Critical Reading, Critical Writing
- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period
- • or second language.

**Recommended third- and fourth-year programs include:****★8:**

- AUMUS 299 - Fundamental Keyboard Skills
- AUMUS 361 - Form, Analysis, and the Construction of Musical Meaning
- 
- AUMUS 369 - Rethorizing Music: From Modernism to Postmodernism **OR**
- AUMUS 469 - Rethorizing Music: From Modernism to Postmodernism

**★3 from**

- AUMUS 322 - Rethinking Music: From Mozart to Madonna **OR**
- AUMUS 422 - Rethinking Music: From Mozart to Madonna

**★3 from**

- AUMUS 330 - Selected Topics in Music **OR**
- AUMUS 430 - Selected Topics in Music
- All additional credits as specified under the Bachelor of Music requirements listed above

**Bachelor of Science (BSc)****Overview**

The Bachelor of Science degree consists of ★120 arts and science, including at least ★66 science (see Classification of Courses). The ★120 in the program are made up of the Foundation, Engagement and Knowledge components of the Augustana Core, a major subject, an optional minor, and options, as follows:

**The Augustana Core: Foundation**

The Augustana Foundation requirement is met by the completion of one of the following courses:

- AUIDS 101 - Topics in Liberal Studies **OR**
- AUIDS 201 - Foundations in Liberal Studies

**The Augustana Core: Engagement**

Engagement requirements consist of five different categories. A student must complete ★12 from at least three of the five categories up to the maximum indicated; courses which satisfy these requirements may overlap with a student's major:

- Creative & Imaginative Process (maximum ★6)
- Diversity and Global Studies (maximum ★6)
- Environmental Sustainability (maximum ★6)
- Experiential Learning (maximum ★6)
- Integrating Knowledge (maximum ★3)

For more detail on which courses may be counted towards these categories, see Augustana Chart 1 Core Engagement Requirements.

**The Augustana Core: Knowledge**

The ★21 Breadth of Knowledge requirements consist of four different categories; the ★21 credits counted towards these categories may not overlap with a student's first major:

- ★3 Fine Arts
- ★6 Humanities
- ★6 Science
- ★6 Social sciences

For the actual classification of Augustana courses within these categories, see Classification of Courses.

Note: The same credit may not be counted twice in courses that relate to more than one category within the Foundation, Engagement and Knowledge components of the Augustana Core; that is, a total of 36 different credits must be earned to fulfill these requirements.

**Major subject:**

★42-60 in one discipline or approved interdisciplinary area (with the minimum number of credits specified by the discipline or approved interdisciplinary area), including no more than ★12 at the junior level (except when required in a discipline with a performance component or in an interdisciplinary program that requires junior courses from several different disciplines) and including a minimum of ★9 at the 300- and 400-level, of which at least ★3 must be at the 400-level. Normally no more than ★60 in one discipline will be credited towards the degree. In some cases, a major may also require courses in one or more disciplines outside the major; these may be prerequisites for specific courses in the major and/or courses supporting the major in a more general way (up to a maximum of ★24).

Note: A student should be aware that it may not be possible to complete certain combinations of majors, or combinations of majors and minors, without extending the time required to earn the degree.

**Optional minor:**

A minimum of ★18 in one discipline or approved interdisciplinary area, including at least ★12 at the senior level.

**Options:**

★0-21 (or more, depending on the amount of overlap between the core and the requirements for the major, and/or minor) of the student's choice, (see General Regulations Governing Course Selections). A student may choose to use options to work toward a minor, or second major but should be aware that a double major normally requires more than ★120 in the degree program.

**Residence Requirement**

Students registered in a BSc program must complete at least ★60 offered by the Augustana Faculty, at least ★54 of which must be at the senior level. However, language or other study abroad may, with special permission of the Associate Dean, Academic, count toward the residency requirement.

Note: Students transferring into this degree program within the framework of a Faculty-approved transfer agreement must complete ★60 of the final credits of their degree program with credits offered by the Augustana Faculty.

## BSc Major/Minor Requirements

### Biology

**Major in Biology**

A student may choose a BA or BSc in Biology. See Augustana Faculty for Admission Requirements.

**Requirements**

- AUBIO 111 - Integrative Biology I
- AUBIO 112 - Integrative Biology II
- AUBIO 230 - Molecular Cell Biology
- AUBIO 253 - Ecological Interactions
- AUBIO 260 - Principles of Genetics
- AUBIO 280 - Biochemistry: Proteins, Enzymes and Energy
- AUBIO 338 - Developmental Biology
- AUBIO 411 - History and Theory of Biology

**★3 from**

- AUBIO 323 - Plant Biology
- AUBIO 371 - Immunology
- AUBIO 381 - Biochemistry: Intermediary Metabolism
- AUBIO 394 - Comparative Invertebrate Zoology
- AUBIO 395 - Vertebrate Form and Function

**★3 from**

- AUBIO 390 - Animal Behaviour
- AUBIO 413 - Advanced Topics in Evolutionary Ecology
- AUBIO 438 - Evolutionary Development Biology

**Additional Requirements**

- ★12 additional AUBIO

- ★6 overlapping at the 400-level.

**Supporting courses: ★9 in chemistry:**

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II
- AUCHE 250 - Organic Chemistry I

**The BSc in Biology requires the following additional supporting courses:**

- ★3 AUMAT (excluding AUMAT 107)
- AUSTA 215 - Statistical Methods for the Natural Sciences
- Note: At least ★3 AUPHY is recommended for students in the BSc program who do not have credit in Physics 30. Students interested in pursuing graduate studies in biochemistry, cell biology, or physiology are advised to complete ★6 AUPHY.

**Additional information for students**

For more information and advice about the Augustana Biology program, and potential career paths in Biology, visit the Augustana Department of Science - Biology website at [www.ualberta.ca/augustana/programs/degree/biology](http://www.ualberta.ca/augustana/programs/degree/biology).

**Minor in Biology****Requirements**

- ★9 in senior level AUBIO
- ★3 in AUBIO at the 300- or 400-level
- 3 additional credits in AUBIO
- AUBIO 111 - Integrative Biology I **OR**
- AUBIO 112 - Integrative Biology II

### Chemistry

**Major in Chemistry**

A student may choose a BA or BSc in Chemistry. See Augustana Faculty for Admission Requirements.

**Requirements**

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II
- AUCHE 220 - Analytical Chemistry
- AUCHE 230 - Inorganic Chemistry I
- AUCHE 250 - Organic Chemistry I
- AUCHE 279 - Physical Chemistry

**★3 from**

- AUCHE 405 - Selected Topics in Chemistry
- AUCHE 450 - Enzymes and Enzyme Mechanisms
- AUCHE 485 - Selected Topics in Biochemistry

**Additional Requirements**

- 21 senior credits in AUCHE, at least ★6 of which must be at the 300- or 400-level. The BSc in Chemistry requires that AUCHE 277 be taken to satisfy ★3 of this requirement.

**Supporting courses:**

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)

**The BSc in Chemistry requires additional supporting courses:**

- AUMAT 112 - Elementary Calculus II
- AUPHY 102 - Introductory General Physics I (Mechanics) **OR**
- AUPHY 104 - Introductory General Physics I (Mechanics) **OR**
- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics

**Additional information for students**

1. Students interested in a graduate degree in Chemistry (i.e., MSc, PhD) should enrol in the BSc program and take more than the minimum required credits (in total and at the 400-level).
2. ★3 in Statistics are recommended. Some senior courses are offered in alternate years.

- Plans for taking a Chemistry project course should be discussed with the Department Chair in the year prior to registering in the course.
- A student is advised to take the Mathematics supporting courses early in the program. Note that AUMAT 110, or AUMAT 116 is a recommended corequisite for AUCHE 220 and AUCHE 222 is required for AUCHE 279; that AUMAT 211 is a recommended corequisite for AUCHE 277 and a required prerequisite for AUCHE 377; and that AUMAT 120 is a required prerequisite for AUCHE 430.

### Recommended first-year program

#### Required courses:

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

#### Recommended courses:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- AND**
- AUMAT 112 - Elementary Calculus II
- .
- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics

## Minor in Chemistry

### Requirements

- ★9 in senior level AUCHE
- 3 additional credits in AUCHE at the 300 or 400-level
- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

## Computing Science

### Major in Computing Science

A student may choose a BA or BSc in Computing Science. See Augustana Faculty for Admission Requirements.

### Requirements

#### General Stream

- AUCSC 111 - Introduction to Computational Thinking and Problem Solving
- AUCSC 112 - Data Structures and Algorithms
- AUCSC 220 - Software Engineering I
- AUCSC 250 - Computer Organization and Architecture I
- AUCSC 310 - Algorithm Design and Analysis
- AUCSC 370 - Programming Languages
- AUCSC 490 - Social and Ethical Issues for Computing Professionals

#### Additional Requirements

- ★15 additional senior credits in Computing Science, including at least an additional ★3 at the 400-level (other than AUCSC 401 and AUCSC 402).

#### ★6 from

- AUCSC 320 - Software Engineering II
- AUCSC 330 - Database Management Systems I
- AUCSC 350 - Computer Organization and Architecture II
- AUCSC 380 - Operating Systems Concepts

#### Supporting courses: ★12 AUMAT including

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- .
- AUMAT 120 - Linear Algebra I
- AUMAT 250 - Discrete Mathematics
- ★3 AUSTA

#### Practicum Stream:

- AUCSC 401 and AUCSC 402, plus all the requirements of the General Stream as listed above.

### Additional information for students

- AUCSC 112 requires AUMAT 110 or AUMAT 116 and AUMAT 120 as corequisites.

- AUCSC 340 requires AUMAT 211 as a prerequisite, which in turn requires AUMAT 112 as a prerequisite.
- At least ★3 in Physics is recommended.
- Many senior Computing Science courses are offered in alternate years only. Some 300- and 400-level Computing Science courses are offered only if there is sufficient student demand.
- AUCSC 401 and AUCSC 402 are practicum courses available to a limited number of senior Computing Science majors. Each of these courses provides four months of practical experience either through employment in an information systems context with an external organization, or through a directed self-study (possibly leading to a professional certification).

### Recommended first-year program

#### Required courses

- AUCSC 111 - Introduction to Computational Thinking and Problem Solving
- AUCSC 112 - Data Structures and Algorithms

#### ★6 from

- AUMAT 110 - Elementary Calculus I
- AUMAT 116 - Elementary Calculus I (Enriched)
- AUMAT 120 - Linear Algebra I

## Minor in Computing Science [Augustana]

### Requirements

- 12 senior credits in Computing Science
- AUCSC 111 - Introduction to Computational Thinking and Problem Solving
- AUCSC 112 - Data Structures and Algorithms

## Environmental Science (BSc)/Environmental Studies (BA)

### Major in Environmental Science/Studies

A student may choose a BSc in Environmental Science or a BA in Environmental Studies. See Augustana Faculty for Admission Requirements.

### Requirements

#### ★12 in environmental studies

- AUENV 120 - Human Activities and the Natural Environment
- AUENV 324 - Resource and Environmental Management
- AUENV 341 - Environmental Economics
- AUENV 421 - Environmental Science: History and Impacts

#### ★3 in ecology

- AUBIO 253 - Ecological Interactions
- ★3 in earth science
- AUGEO 230 - Geomorphology
- AUGEO 231 - Climatology

#### ★6 in environmental perspectives

- AUENG 268 - Women and Environmental Literature
- AUENG 368 - Women and Environmental Literature
- AUENV 268 - Women and Environmental Literature
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 328 - Environmental Politics
- AUENV 344 - Environmental Psychology
- AUENV 345 - Religion and Ecology
- AUENV 355 - Philosophy, Technology, and the Environment
- AUENV 358 - Environmental Sociology
- AUENV 368 - Women and Environmental Literature
- AUENV 375 - Canadian Environmental History
- AUENV 475 - Canadian Environmental History
- AUENV 375 - Canadian Environmental History
- AUENV 475 - Canadian Environmental History
- AUPHI 355 - Philosophy and the Environment
- AUPOL 328 - Environmental Politics
- AUPSY 344 - Environmental Psychology
- AUREL 345 - Religion and Ecology
- AUSOC 358 - Environmental Sociology
- Other selected topics courses on a case by case basis.

**★3 in applied environmental studies**

- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUBIO 354 - Freshwater Ecology and Management
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUECO 449 - Economic Methods of Project Evaluation
- AUENV 233 - Soil Science and Soil Resources
- AUENV 252 - Wildlife Diversity of Alberta
- AUENV 320 - Parks and Wilderness
- AUENV 322
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 335 - Wildlife Ecology and Management
- AUENV 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUENV 354 - Freshwater Ecology and Management
- AUENV 420 - Parks and Wilderness
- AUENV 425 - Environmental Impact Assessment
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 218 - Introduction to Geographic Information Systems

**For the BSc in Environmental Science:**

★6 additional in applied environmental studies from ★3 in applied environmental studies above

**★3 in outdoor experience or practica**

- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUCSL 360 - Community Service-Learning Practicum (based on approved project)
- AUCSL 361 - Community Service-Learning Practicum (based on approved project)
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 343 - Expedition in the Canadian North
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- AUPED 285 - Introduction to Ski Touring
- AUPED 286 - Outdoor Education and Leadership
- AUPED 388 - Arctic Canoe Expedition

**★6 from the following:**

- AUBIO 323 - Plant Biology
- AUBIO 274 - Microbiology
- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 351 - Biogeography
- AUBIO 355 - Ecological Dynamics
- AUBIO 390 - Animal Behaviour
- AUBIO 394 - Comparative Invertebrate Zoology
- AUBIO 395 - Vertebrate Form and Function
- AUBIO 397 - Vertebrate Physiology
- AUBIO 495
- AUBIO 413 - Advanced Topics in Evolutionary Ecology
- AUCHE 220 - Analytical Chemistry
- AUENV 201
- AUENV 252 - Wildlife Diversity of Alberta
- AUENV 301 - Directed Studies
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 401 - Directed Studies
- AUGEO 218 - Introduction to Geographic Information Systems
- AUGEO 230 - Geomorphology
- AUGEO 231 - Climatology
- AUGEO 351 - Biogeography
- AUMAT 332 - Mathematical Ecology and Dynamical Systems

**For the BA in Environmental Studies (General stream):****★6 additional in environmental perspectives from above****★6 additional in applied environmental studies from above and/or from the following:**

- AUBIO 274 - Microbiology
- AUBIO 323 - Plant Biology
- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 351 - Biogeography
- AUBIO 355 - Ecological Dynamics
- AUBIO 390 - Animal Behaviour
- AUBIO 394 - Comparative Invertebrate Zoology
- AUBIO 395 - Vertebrate Form and Function

- AUBIO 397 - Vertebrate Physiology
- AUBIO 413 - Advanced Topics in Evolutionary Ecology
- AUBIO 495
- AUCHE 220 - Analytical Chemistry
- AUENV 201
- AUENV 202
- AUENV 301 - Directed Studies
- AUENV 302 - Directed Reading
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 401 - Directed Studies
- AUENV 402 - Directed Reading
- AUGEO 230 - Geomorphology
- AUGEO 231 - Climatology
- AUGEO 351 - Biogeography
- AUMAT 332 - Mathematical Ecology and Dynamical Systems

**★3 in outdoor experience or practica**

- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUCSL 360 - Community Service-Learning Practicum (based on approved project)
- AUCSL 361 - Community Service-Learning Practicum (based on approved project)
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 343 - Expedition in the Canadian North
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- AUPED 285 - Introduction to Ski Touring
- AUPED 286 - Outdoor Education and Leadership
- AUPED 388 - Arctic Canoe Expedition

**For the BA in Environmental Studies (Outdoor Education stream):**

- AUPED 184 - Introduction to Outdoor Education - Snowshoeing **OR**
- AUPED 285 - Introduction to Ski Touring
- 
- AUGEO 343 - Expedition in the Canadian North **OR**
- AUPED 286 - Outdoor Education and Leadership **OR**
- AUPED 388 - Arctic Canoe Expedition
- 
- AUPED 383 - Programming and Processing the Adventure Experience
- AUPED 389 - Foundations of Outdoor, Adventure, and Experiential Education
- Certification in wilderness emergency care; and instructor-level certification in two outdoor education activities such as skiing, canoeing, or orienteering (these certifications must be current on the date of graduation).

**★3 from**

- AUPAC 109 - Cross-Country Skiing
- AUPAC 125 - Canoeing
- AUPAC 134 - Indoor Climbing
- AUPAC 270 - Adventure Games
- AUPAC 326 - Moving Water Canoeing: Skill and Instructional Development

**★6 overlapping credits at the 400-level are required in both BA streams and the BSc****Supporting courses:**

- AUBIO 112 - Integrative Biology II
- AUECO 101 - Introduction to Microeconomics
- AUSTA 215 - Statistical Methods for the Natural Sciences

**The BSc in Environmental Science requires additional supporting courses:**

- ★6 Chemistry.
- ★3 Mathematics (excluding AUMAT 107).
- Note: Students interested in pursuing graduate studies in a natural or physical science program are advised to take ★6 AUPHY.

**Additional information for students**

1. Students considering graduate studies should take a directed reading, directed studies, or directed project in the field.
2. A student in the BA Environmental Studies (Outdoor Education stream) is strongly advised to take one of AUBIO 395 and AUBIO 397; or AUPED 112, AUPED 215 and AUPED 216.
3. A student interested in a career in environmental health and safety, air quality, water quality, and land management is encouraged to take additional

- credits from AUCHE 220, AUCHE 230, AUCHE 232, AUCHE 250, AUCHE 252, and AUCHE 330. A student interested in air quality should also take AUGEO 231. A student interested in land management should also take AUGEO 230.
- A student interested in a career in vertebrate ecology is encouraged to take additional credits from AUBIO 350, AUBIO 390, AUBIO 393, AUBIO 395, AUBIO 459, AUBIO 493, AUENV 350, AUENV 459.
  - A student interested in a career in plant ecology is encouraged to take additional credits from AUBIO 323 and AUENV 322.
  - AUPHI 350 is highly recommended.
  - Plans for taking AUENV 301, AUENV 302, AUENV 401, or AUENV 402 should be discussed with the Department Chair and supervising instructor in the year preceding registration in the course.
  - Many senior courses are offered only in alternate years; some of these require additional prerequisites.

### Recommended first-year program

#### Required courses for all streams

- AUBIO 112 - Integrative Biology II
- AUECO 101 - Introduction to Microeconomics
- AUENV 120 - Human Activities and the Natural Environment

#### For the BSc stream, additional required courses:

- ★3 Mathematics
- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

#### For the BA general stream, additional recommended course:

- AUPSY 103 - Introduction to Psychology

#### For the BA outdoor education stream, additional required course:

- AUPED 184 - Introduction to Outdoor Education - Snowshoeing

## Minor in Environmental Studies

### Requirements

- AUENV 120 - Human Activities and the Natural Environment

#### ★3 in environmental analysis

- AUENV 324 - Resource and Environmental Management
- AUENV 341 - Environmental Economics
- AUENV 421 - Environmental Science: History and Impacts

#### ★3 in earth science

- AUGEO 230 - Geomorphology
- AUGEO 231 - Climatology

#### ★6 of applied environmental studies

- AUBIO 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUBIO 354 - Freshwater Ecology and Management
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUECO 449 - Economic Methods of Project Evaluation
- AUENV 252 - Wildlife Diversity of Alberta
- AUENV 320 - Parks and Wilderness
- AUENV 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUENV 354 - Freshwater Ecology and Management
- AUENV 420 - Parks and Wilderness
- AUENV 425 - Environmental Impact Assessment
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 218 - Introduction to Geographic Information Systems

#### or outdoor experience or practica

- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUCSL 360 - Community Service-Learning Practicum (based on approved project)
- AUCSL 361 - Community Service-Learning Practicum (based on approved project)
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUGEO 343 - Expedition in the Canadian North
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- AUPED 285 - Introduction to Ski Touring
- AUPED 286 - Outdoor Education and Leadership
- AUPED 388 - Arctic Canoe Expedition

### ★3 in environmental perspectives

- AUENG 268 - Women and Environmental Literature
- AUENG 368 - Women and Environmental Literature
- AUENV 268 - Women and Environmental Literature
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 328 - Environmental Politics
- AUENV 344 - Environmental Psychology
- AUENV 345 - Religion and Ecology
- AUENV 355 - Philosophy, Technology, and the Environment
- AUENV 358 - Environmental Sociology
- AUENV 368 - Women and Environmental Literature
- AUENV 375 - Canadian Environmental History
- AUENV 475 - Canadian Environmental History
- AUENV 375 - Canadian Environmental History
- AUENV 475 - Canadian Environmental History
- AUPHI 355 - Philosophy and the Environment
- AUPOL 328 - Environmental Politics
- AUPSY 344 - Environmental Psychology
- AUREL 345 - Religion and Ecology
- AUSOC 358 - Environmental Sociology
- Other selected topics courses on a case by case basis

## Geography

### Minor in Geography

#### Requirements

- ★15 additional in Geography, ★12 of which must be at a senior level. In addition, courses previously cross-listed with Environmental Studies may be counted towards this requirement, including AUENV 320, AUENV 324, AUENV 334, AUENV 420, AUENV 421 and AUENV 425.
- AUENV 120 - Human Activities and the Natural Environment (previously cross-listed with AUGEO 120).

## Mathematics and Physics

### Major in Mathematics and Physics

A student may choose a BA or BSc in Mathematics and Physics. See Augustana Faculty for Admission Requirements.

#### Requirements

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 112 - Elementary Calculus II
- AUMAT 120 - Linear Algebra I
- AUMAT 211 - Intermediate Calculus I
- AUMAT 212 - Intermediate Calculus II
- AUMAT 220 - Linear Algebra II
- AUMAT 229 - Introduction to Group Theory
- AUMAT 250 - Discrete Mathematics
- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics
- AUPHY 250 - Electricity and Magnetism
- AUPHY 260 - Introduction to Relativity and Quantum Mechanics
- AUPHY 391 - Advanced Laboratory I

#### ★3 from

- AUMAT 332 - Mathematical Ecology and Dynamical Systems
- AUMAT 340 - Numerical Methods
- AUPHY 340 - Numerical Methods in Physics
- 
- AUMAT 480 - History of Mathematics and Physics **OR**
- AUPHY 480 - History of Physics and Mathematics

### Additional Requirements

- 9 additional credits in AUMAT or AUPHY at least 6 of which are at the 300-level or higher.
- Additional information for students
- AUCSC 111 is recommended. It is a prerequisite or corequisite for some senior AUMAT and AUPHY courses.

- Students interested in graduate studies (i.e., a MSc or PhD degree) should take more than the minimum required credits at the 300- and 400-levels, and should especially consider taking a directed study course at the 400-level (i.e., AUMAT 495 or AUPHY 495).
- Most senior courses (200-level and above) are taught in alternate years only (or possibly even more rarely, depending on student demand)...

## Minor in Mathematics

### Requirements

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- .
- AUMAT 112 - Elementary Calculus II
- AUMAT 120 - Linear Algebra I
- AUMAT 250 - Discrete Mathematics

### Additional Requirements

- 9 additional senior credits in Mathematics

## Minor in Physics [Augustana]

### Requirements

- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics
- AUPHY 250 - Electricity and Magnetism

### Additional Requirements

- An additional ★9 at the senior level in Physics.

## Additional information for students

Many senior Physics courses are offered only if there is sufficient student demand.

## Physical Education

### Major in Physical Education

A student chooses one of the following two streams:

#### BA or BSc (Physical Education - Kinesiology and Sport Studies)

### Requirements

- AUPED 112 - Structural Human Anatomy
- AUPED 160 - Sociocultural Aspects of Sport and Physical Activity
- AUPED 215 - Introduction to Human Physiology I
- AUPED 314 - Exercise Physiology
- AUPED 393 - Tests and Measurements in Physical Education
- AUPED 462 - Issues in Physical Education
- AUPED 493 - Introduction to Research in Physical Education
- ★9 in AUPAC (Physical Activity Courses).

### Additional Requirements

#### ★6 from

- AUPED 216 - Introduction to Human Physiology II
- AUPED 220 - Human Growth and Development
- AUPED 232 - Introduction to Biomechanics
- AUPED 251 - Prevention and Care of Athletic Injuries
- AUPED 317 - Exercise in Special Populations
- AUPED 343 - Training Methodologies and Athletic Performance
- AUPED 344 - Introduction to Human Nutrition

#### ★6 from

- AUPED 184 - Introduction to Outdoor Education - Snowshoeing **OR**
- AUPED 284 - Introduction to Outdoor Education - Canoeing
- .
- AUPED 262 - Sport, Physical Activity, and the Body: Historical Perspectives
- AUPED 266 - Women in Sport and Physical Activity
- AUPED 290 - Studies in Leadership Theory
- AUPED 360 - Hockey: Culture and Commerce
- AUPED 368 - History of Sport in Canada
- AUPED 369 - The Modern Olympic Games

- AUPED 469 - Sport and Canadian Popular Culture

### An additional ★ 6 at the senior level in Physical Education.

## Additional information for students

- Not all senior courses are offered every year.
- Although not required in the major, AUPED 216 is recommended for those Physical Education students who are seeking a BSc degree. AUPED 215 and AUPED 216 are recommended for other students who intend to complete a degree in Physical Therapy, Occupational Therapy, or an Advanced Certificate in Athletic Therapy.
- More than 18 junior credits in Physical Activity courses and Physical Education courses combined may be counted towards the Physical Education - Kinesiology and Sports Studies major.

### Recommended first-year program

#### Required courses

- AUPED 112 - Structural Human Anatomy
- AUPED 160 - Sociocultural Aspects of Sport and Physical Activity
- ★3 AUPAC 100-199.

#### BA or BSc (Physical Education - Outdoor Education)

### Requirements

- AUPED 112 - Structural Human Anatomy
- AUPED 215 - Introduction to Human Physiology I
- AUPED 314 - Exercise Physiology
- AUPED 290 - Studies in Leadership Theory
- AUPED 383 - Programming and Processing the Adventure Experience
- AUPED 389 - Foundations of Outdoor, Adventure, and Experiential Education
- AUPED 393 - Tests and Measurements in Physical Education
- AUPED 462 - Issues in Physical Education
- AUPED 493 - Introduction to Research in Physical Education
- ★9 in AUPAC (Physical Activity Courses).

### Additional Requirements

- Outdoor education-related certifications are required. Please consult Augustana Physical Education faculty for details.

#### ★3 from

- AUPED 216 - Introduction to Human Physiology II
- AUPED 220 - Human Growth and Development
- AUPED 232 - Introduction to Biomechanics
- AUPED 251 - Prevention and Care of Athletic Injuries
- AUPED 317 - Exercise in Special Populations
- AUPED 343 - Training Methodologies and Athletic Performance
- AUPED 344 - Introduction to Human Nutrition

#### ★3 from

- AUPED 160 - Sociocultural Aspects of Sport and Physical Activity
- AUPED 262 - Sport, Physical Activity, and the Body: Historical Perspectives
- AUPED 266 - Women in Sport and Physical Activity
- AUPED 360 - Hockey: Culture and Commerce
- AUPED 368 - History of Sport in Canada
- AUPED 369 - The Modern Olympic Games
- AUPED 469 - Sport and Canadian Popular Culture

#### ★3 from

- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- AUPED 283 - Introduction to Outdoor Education - Backpacking
- AUPED 284 - Introduction to Outdoor Education - Canoeing
- AUPED 285 - Introduction to Ski Touring

#### ★3 from

- AUPED 281 - Explorations of the Canadian North
- AUPED 286 - Outdoor Education and Leadership
- AUPED 388 - Arctic Canoe Expedition

## Additional information for students

- It is strongly recommended that a student take AUPAC 326 from ★9 in AUPAC (Physical Activity Courses), above.
- It is strongly recommended that a student take AUPED 383 and AUPED 389 in the third or fourth year.



- Although not required in the major, AUPED 216 is recommended for those Physical Education students who are seeking a BSc degree. AUPED 215 and AUPED 216 are recommended for other students who intend to complete a degree in Physical Therapy, Occupational Therapy, or an Advanced Certificate in Athletic Therapy.
- A student should consider including one or more of AUBIO 253, AUENV 120, AUGEO 230, AUGEO 231, AUGEO 320, AUGEO 324.
- Some courses are offered in alternate years only.
- No more than 18 junior credits in Physical Activity courses and Physical Education courses combined may be counted towards the Physical Education – Outdoor Education major.

### Recommended first-year program

#### Required courses

- AUPED 112 - Structural Human Anatomy
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- ★3 AUPAC 100-199.g

## Minor in Physical Education [Augustana]

### Requirements

- AUPED 112 - Structural Human Anatomy
- ★3 in AUPAC (Physical Education Activity).

### Additional Requirements

- 12 in AUPED at the senior level.
- 3 additional credits in Physical Education.

## Psychology

### Major in Psychology

A student may choose a BA or BSc in Psychology. See Augustana Faculty for Admission Requirements.

### Requirements

- AUPSY 103 - Introduction to Psychology
- AUPSY 213 - Statistical Methods for Psychological Research
- AUPSY 313 - Advanced Research Design

#### ★6 from social/personality/developmental.

- AUPSY 220 - Personality
- AUPSY 240 - Social Psychology
- AUPSY 256 - Developmental Psychology

#### ★6 from cognition/perception/physiological.

- AUPSY 263 - Memory and Cognition
- AUPSY 267 - Sensory Processes and Perception
- AUPSY 275 - An Introduction to the Brain and Nervous System
- .
- AUPSY 408 - History and Systems of Psychology
- OR**
- AUPSY 409 - History and Systems of Psychology

### Additional Requirements

- ★12 additional at a senior level in Psychology.
- An additional ★6 Psychology at the 400-level.

### Additional information for students

- A student should take AUPSY 213 and the chosen/required 200-level courses, in the second year.
- AUPSY 313 should be taken in the third year.
- A student who is considering graduate studies in Psychology is advised to take AUPSY 313 in the third year and AUPSY 408/AUPSY 409, AUPSY 497, and AUPSY 499 in the fourth year.
- Many senior Psychology courses are offered in alternate years only.

### Recommended first-year program

- AUPSY 103 - Introduction to Psychology

## Minor in Psychology

### Requirements

- AUPSY 103 - Introduction to Psychology

#### ★3 from social/personality/developmental.

- AUPSY 220 - Personality
- AUPSY 240 - Social Psychology
- AUPSY 256 - Developmental Psychology

#### ★3 from cognition/perception/physiological.

- AUPSY 263 - Memory and Cognition
- AUPSY 267 - Sensory Processes and Perception
- AUPSY 275 - An Introduction to the Brain and Nervous System

### Additional Requirements

- ★9 additional at a senior level in Psychology. AUPSY 213 is recommended.

## Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana)

### Overview

The Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana) is offered jointly by the Augustana Faculty and the Faculty of Education as an alternative to the BSc followed by a BEd After-Degree (a six-year route). It provides less flexibility in course choice and scheduling than taking the degrees consecutively, because it is designed to meet the minimum requirements of both degrees, as well as teacher certification requirements, in five years.

The program is normally completed in five years, three years in the Augustana Faculty and two years in the Faculty of Education.

### Residence Requirement

A student in the Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana) normally will be required to complete at least ★60 of the first ★90 of the program at the Augustana Campus while registered in the Augustana Faculty. Of the courses taken at the Augustana campus, at least ★54 must consist of courses from year 2 and year 3 of the program. In addition, at least ★60 must be completed while registered in the Faculty of Education in the final years of the program.

A student may take as many as ★108 at the Augustana Campus, but will be registered as a student in the Faculty of Education for the final ★60 of the program.

### Program Requirements

The Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana) consists of ★102 arts and science plus ★48 Education. The ★150 in the program are made up of core and general requirements, Education requirements, a major subject, a minor subject, and options, as follows::

#### Core Requirements (★36) [Augustana]

##### Part A: The Augustana Core: Foundation (★3)

The Augustana Foundation requirement is met by the completion of one of the following courses:

- AUIDS 101 - Topics in Liberal Studies **OR**
- AUIDS 201 - Foundations in Liberal Studies

Note: The courses that satisfy this requirement may not overlap with the Augustana Core: Engagement and Augustana Core: Knowledge requirements in Parts B and C.

**Part B. The Augustana Core: Engagement (★12)**

- ★12 from at least three of the following five categories up to the maximum indicated:
- Creative and imaginative process (maximum ★6)
- Diversity and global studies (maximum ★6)
- Environmental sustainability (maximum ★6)
- Experiential learning (maximum ★6)
- Integrating Knowledge (maximum ★3)

See Augustana Chart 1 Core Engagement Requirements for lists of courses that satisfy these requirements,

Courses that satisfy these requirements may overlap with the student's major and minor and with prerequisites and supporting courses, but not with the Augustana Core: Foundation and Augustana Core: Knowledge requirements in Parts A and C.

**Part C. The Augustana Core: Knowledge (★21)**

- ★3 Fine Arts: any AUART except AUART 228; any AUDRA except AUDRA 228, AUDRA 301; any AUMUS except AUMUS 22, AUMUS 375, AUMUS 475.
- ★6 Humanities.
- ★6 Science.
- ★6 Social Sciences.

See Classification of Courses for the definition of humanities, science and social sciences courses.

Courses that satisfy these requirements may overlap with the general requirements, the student's minor, prerequisites and supporting courses, but not with the student's major or with the Augustana Core: Foundation and Augustana Core: Engagement in Parts A and B.

**Notes**

1. Students will satisfy the humanities requirement by satisfying the language and literature requirement under (2) General Requirements, below
2. It is recommended that AUPHY 102 be taken toward the social sciences requirement, since it is a prerequisite for AUEPS 258.8.

**General Requirements (★12) [Augustana]****★6 language or literature from**

- AUCLA 102 - Greek and Roman Mythology
- AUCLA 242
- AUCLA 243
- AUCLA 244
- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period
- AUGER 291 - German Drama in Translation
- AUGER 292
- AUGER 293 - Women and German Literature in Translation
- AUSCA 161
- AUSCA 241
- AUSCA 251
- AUSCA 252
- AUSCA 261
- AUSPA 230
- AUSPA 231
- AULIT 201
- AULIT 202
- AUSCA 141
- AUSCA 151
- AUSCA 152

**★3 computing science or educational computing: one of**

- AUCSC 111 - Introduction to Computational Thinking and Problem Solving
- AUCSC 112 - Data Structures and Algorithms
- AUEDC 202

**★3 history, philosophy, and theory of science: one of**

- AUBIO 411 - History and Theory of Biology
- AUENV 421 - Environmental Science: History and Impacts
- AUMAT 480 - History of Mathematics and Physics
- AUPHI 350 - Philosophy of Science
- AUPHI 355 - Philosophy and the Environment
- AUPHY 480 - History of Physics and Mathematics

Notes Courses that satisfy these requirements may overlap with the core requirements, the Education requirements, and/or with the student's major.

**Education Requirements (★48) [Arts]****Requirements**

- ★6 EDSE (Major): See the notes under each major, below, for the EDSE courses to be taken during the Introductory Professional Term (IPT) and Advanced Professional Term (APT).
- ★3 EDSE (Minor): See the notes under each minor, below, for the EDSE course to be taken during the term that falls between the IPT and APT.
- ★3 Education option.
- AUEPS 258 - Educational Psychology for Teaching
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 303 - Educational Assessment
- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDFX 450 - Secondary Route: Advanced Field Experience
- EDPS 410 - Ethics and Law in Teaching
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term

**Notes**

1. The field experience component of the Education requirements will be fulfilled in a rural or small-city school placement.
2. Students should be aware that under the Protection for Persons in Care Act, they may be required to satisfy a criminal record check before being allowed to serve a period of internship/practicum placement/field experience placement. Refer to Requirement for Police Information Checks for more information.
3. AUFEF 200 is recommended as an Education option. AUEDC 202 is recommended as an Education option except for students with a major in Mathematical Sciences..

**Major Subject (★42 plus supporting or prerequisite courses) [Augustana]****Biology**

- ★3 additional Biology at the 400-level.
- ★12 senior Biology, at least ★6 of which must be at the 300- or 400-level.

**★6 evolution and cell biology:**

- AUBIO 111 - Integrative Biology I
- AUBIO 112 - Integrative Biology II

**★9 cell biology, ecology, and genetics:**

- AUBIO 230 - Molecular Cell Biology
- AUBIO 253 - Ecological Interactions
- AUBIO 260 - Principles of Genetics

**★3 botany:**

- AUBIO 323 - Plant Biology

**★3 biodiversity: one of**

- AUBIO 274 - Microbiology
- AUBIO 394 - Comparative Invertebrate Zoology
- AUBIO 395 - Vertebrate Form and Function

**★3 developmental biology:**

- AUBIO 338 - Developmental Biology

**★3 history and theory of biology:**

- AUBIO 411 - History and Theory of Biology

**Prerequisite courses: ★6 chemistry:**

- AUCHE 110 - General Chemistry I
- AUCHE 250 - Organic Chemistry I

**Supporting course: ★3 statistics:**

- AUSTA 215 - Statistical Methods for the Natural Sciences

Note: Students must take EDSE 352 during the IPT, which is normally offered in both the Fall and Winter Terms. Students must take EDSE 451 and EDSE 452 during the APT, which are normally offered in both the Fall and Winter Terms.

## Chemistry

- ★21 additional senior Chemistry, at least ★6 of which must be at the 300- or 400-level.

### ★6 general chemistry:

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

### ★3 analytical chemistry:

- AUCHE 220 - Analytical Chemistry

### ★3 inorganic chemistry:

- AUCHE 230 - Inorganic Chemistry I
- ★3 organic chemistry:
- AUCHE 250 - Organic Chemistry I

### ★3 physical chemistry:

- AUCHE 279 - Physical Chemistry

### ★3 Selected Topics in Chemistry: one of

- AUCHE 405 - Selected Topics in Chemistry
- AUCHE 485 - Selected Topics in Biochemistry

### Prerequisite courses: ★3 elementary calculus:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 111 **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)

Note: Students must take EDSE 364 during the IPT, which is normally offered in both the Fall and Winter Terms. Students must take EDSE 451 and EDSE 460 during the APT, which are normally offered in both the Fall and Winter Terms.

## General Sciences

- ★9 Physics, including at least ★3 at the 200-level.
- ★6 Biology, Chemistry, Mathematics, or Physics at the 300- or 400-level
- ★3 senior Biology, Chemistry, Mathematics, Physics, senior science courses in Environmental Studies or Geography [see Classification of Courses (1)], or AUSTA 215.

### ★9 biology:

- ★3 Biology at the 200-level
- AUBIO 111 - Integrative Biology I
- AUBIO 112 - Integrative Biology II

### ★9 chemistry:

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II
- AUCHE 250 - Organic Chemistry I

### ★6 elementary calculus:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 111 **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 112 - Elementary Calculus II

Note: Students must take EDSE 360 during the IPT, which is normally offered in both the Fall and Winter Terms. Students must take EDSE 451 and EDSE 456 during the APT, which are normally offered in both the Fall and Winter Terms.

## Mathematical Sciences

- ★3 additional senior Computing Science or Mathematics.
- ★3 additional Mathematics at the 300- or 400-level.

### ★3 computing science:

- AUCSC 112 - Data Structures and Algorithms

### ★6 elementary calculus:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 111 **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 112 - Elementary Calculus II

### ★6 linear algebra:

- AUMAT 120 - Linear Algebra I
- AUMAT 220 - Linear Algebra II

### ★6 intermediate calculus:

- AUMAT 211 - Intermediate Calculus I
- AUMAT 212 - Intermediate Calculus II

### ★3 group theory:

- AUMAT 229 - Introduction to Group Theory

### ★3 discrete mathematics:

- AUMAT 250 - Discrete Mathematics

### ★3 geometry:

- AUMAT 260 - Foundations of Geometry
- ★3 history and theory of mathematics:
- AUMAT 480 - History of Mathematics and Physics

### ★3 statistics:

- AUSTA 215 - Statistical Methods for the Natural Sciences

## Notes

1. Because AUCSC 111 is a prerequisite for AUCSC 112, Mathematical Sciences majors should select AUCSC 111 to satisfy the general requirement in computing.
2. Students must take EDSE 337 during the IPT, which is normally offered in both the Fall and Winter Terms. Students must take EDSE 451 and EDSE 437 during the APT, which are normally offered in both the Fall and Winter Terms.
3. EDSE 439 and EDSE 442 are recommended as Education options.

## Mathematics and Physics

- ★3 additional Physics at the 300- or 400-level.
- ★6 additional senior Mathematics or Physics, selected such that the major includes at least ★24 Physics.

### ★6 elementary calculus:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 111 **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 112 - Elementary Calculus II

### ★6 intermediate calculus:

- AUMAT 211 - Intermediate Calculus I
- AUMAT 212 - Intermediate Calculus II

### ★3 applied mathematics:

- AUMAT 315 - Complex Variables
- AUMAT 330 - Ordinary Differential Equations
- AUMAT 340 - Numerical Methods
- AUPHY 340 - Numerical Methods in Physics

### ★9 introductory physics:

- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics
- AUPHY 250 - Electricity and Magnetism

### ★3 relativity and quantum mechanics:

- AUPHY 260 - Introduction to Relativity and Quantum Mechanics

### ★3 advanced physics laboratory:

- AUPHY 391 - Advanced Laboratory I

### ★3 history of mathematics and physics:

- AUMAT 480 - History of Mathematics and Physics
- AUPHY 480 - History of Physics and Mathematics

Note: Students must take EDSE 364 during the IPT, which is normally offered in both the Fall and Winter Terms. Students must take EDSE 451 and EDSE 460 during the APT, which are normally offered in both the Fall and Winter Terms.

## Physical Sciences

- ★6 additional Biology, Chemistry, Mathematics, or Physics at the 300- or 400-level.
- ★3 additional senior Computing Science or Mathematics.

### ★6 general chemistry:

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

**★3 organic chemistry:**

- AUCHE 250 - Organic Chemistry I

**★6 senior chemistry from**

- AUCHE 220 - Analytical Chemistry
- AUCHE 230 - Inorganic Chemistry I
- AUCHE 279 - Physical Chemistry

**★9 introductory physics:**

- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics
- AUPHY 250 - Electricity and Magnetism

**★3 relativity and quantum mechanics:**

- AUPHY 260 - Introduction to Relativity and Quantum Mechanics

**★3 advanced physics laboratory:****★3 history of physics:**

- AUPHY 480 - History of Physics and Mathematics

**Prerequisite courses: ★9 calculus:**

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 111 **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 112 - Elementary Calculus II
- AUMAT 211 - Intermediate Calculus I

**Notes**

1. AUMAT 212 is a corequisite for AUPHY 310 and AUPHY 350. Due to the number of Mathematics prerequisites for this major, it is suggested that the Physical Sciences major be taken in combination with a Mathematics minor.
2. Students must take EDSE 364 during the IPT, which is normally offered in both the Fall and Winter Terms. Students must take EDSE 451 and EDSE 460 during the APT, which are normally offered in both the Fall and Winter Terms..

**Minor Subject (★18 plus prerequisite courses)****Art**

- ★6 additional senior AUART, at least ★3 of which must be in a studio course.
- 
- AUART 101 - Introduction to the History of Art I **OR**
- AUART 102 - Introduction to the History of Art II
- 
- AUART 111 - Studio Foundation I
- 
- AUART 112 - Studio Foundation II - 3-D and Colour Theory **OR**
- AUART 113
- 
- AUART 231 - Drawing I

**Notes**

1. An additional ★6 in studio courses is recommended.
2. Students must take EDSE 313 during the term that falls between the IPT and APT. It is normally offered in the Fall Term only.

**Biology**

- ★6 additional senior Biology, at least ★3 of which must be at the 300- or 400-level.

**★6 evolution and cell biology:**

- AUBIO 110
- AUBIO 130

**★6 ecology and genetics:**

- AUBIO 253 - Ecological Interactions
- AUBIO 260 - Principles of Genetics

Note: Students must take EDSE 353 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms. EDSE 353 is not open to students whose major is Chemistry, General Sciences, Mathematics and Physics, or Physical Sciences; these students must register in EDSE 305, which is normally offered in both the Fall and Winter Terms, or they can register for another EDSE (Minor) provided they meet the course prerequisites.

**Chemistry**

- ★6 additional senior Chemistry, at least ★3 of which must be at the 300- or 400-level

**★6 general chemistry:**

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

**★3 organic chemistry:**

- AUCHE 250 - Organic Chemistry I

**★3 senior chemistry: one of**

- AUCHE 220 - Analytical Chemistry
- AUCHE 230 - Inorganic Chemistry I
- AUCHE 279 - Physical Chemistry

Note: Students must take EDSE 366 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms. EDSE 366 is not open to students whose major is Biology, General Sciences, Mathematics and Physics, or Physical Sciences; these students must register in EDSE 305, which is normally offered in both the Fall and Winter Terms, or they can register for another EDSE (Minor) provided they meet the course prerequisites.

**Drama**

- AUDRA 101 - Play Analysis
- AUDRA 230 - Acting Techniques I
- AUDRA 340 - Movement for the Theatre
- AUDRA 350 - Introduction to Directing

**★3 in a senior ensemble production course:**

- AUDRA 238 - Theatre Company
- AUDRA 239 - Theatre Company

**Notes**

1. An additional ★6 in AUDRA is recommended.
2. Students must take EDSE 323 during the term that falls between the IPT and APT. It is normally offered in the Fall Term only.
3. EDSE 424 is recommended as an Education option.

**English Language Arts****★6 English literature:**

- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period

**★3 language studies: one of**

- AUENG 211
- AUENG 212
- AUENG 213 - The English Language
- AUENG 279
- AUENG 379
- AULAN 200

**★3 aboriginal/indigenous or Canadian literature: one of**

- AUENG 207 - Aboriginal/Indigenous Literature
- AUENG 280 - Canadian Literature to 1950
- AUENG 281 - Canadian Literature since 1950
- AUENG 307 - Aboriginal/Indigenous Literature
- AUENG 380 - Canadian Literature to 1950
- AUENG 381 - Canadian Literature since 1950

**★3 literature written before 1800: one of**

- AUENG 221 - Chaucer
- AUENG 225 - Middle Ages
- AUENG 230 - The Early English Renaissance
- AUENG 231 - The Later English Renaissance
- AUENG 233 - Shakespeare
- AUENG 239 - Milton
- AUENG 241
- AUENG 243
- AUENG 321 - Chaucer
- AUENG 325 - Middle Ages
- AUENG 330 - The Early English Renaissance
- AUENG 331 - The Later English Renaissance
- AUENG 333 - Shakespeare
- AUENG 339 - Milton

- AUENG 341

### AUENG 343

- ★3 additional senior AUENG or senior literature course taught in translation: one of
- AUGER 291 - German Drama in Translation
- AUGER 293 - Women and German Literature in Translation
- AUSCA 271 - Personal Narratives of the North

Note: Students must take EDSE 328 during the term that falls between the IPT and APT. It is normally offered in the Fall Term only.

### General Sciences

- ★6 Biology
- ★6 Chemistry
- ★6 Physics

#### Prerequisite courses: ★3 calculus:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 111 **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)

Note: Students must take EDSE 361 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms. EDSE 361 is not open to students whose major is Biology, Chemistry, Mathematics and Physics, or Physical Sciences; these students must register in EDSE 305, which is normally offered in both the Fall and Winter Terms, or they can register for another EDSE (Minor) provided they meet the course prerequisites.

### Mathematical Sciences

- ★3 additional senior Mathematics or Statistics (AUSTA 215 recommended).

#### ★6 elementary calculus:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 111 **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)

- AUMAT 112 - Elementary Calculus II

#### ★3 linear algebra:

- AUMAT 120 - Linear Algebra I

#### ★3 discrete mathematics:

- AUMAT 250 - Discrete Mathematics

#### ★3 geometry:

- AUMAT 260 - Foundations of Geometry

Note: Students must take EDSE 338 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms.

### Music: Choral

#### ★6 theoretical and analytical studies:

- AUMUS 160 - Theoretical and Analytical Studies I
- AUMUS 260 - Theoretical and Analytical Studies II

#### ★3 aural and sight-singing skills:

- AUMUS 162 - Aural and Sight Singing Skills I
- AUMUS 262 - Aural and Sight Singing Skills II

#### ★6 conducting:

- AUMUS 235 - Introduction to Conducting
- AUMUS 336 - Advanced Conducting

#### ★3 choral techniques, literature, and interpretation:

- AUMUS 236 - Introduction to Choral Techniques, Literature, and Interpretation

### Notes

1. ★4-6 in a choral ensemble (the Augustana Choir, Sangkor, or the Augustana Men's Choir) and up to ★2 in applied music (vocal or keyboard) are strongly recommended.
2. Students must take EDSE 344 during the term that falls between the IPT and APT. It is normally offered in the Fall Term only.

### Philosophy and Religious Studies

- AUREL 100 - Introduction to Religion
- AUREL 252 **OR**
- AUREL 352

- AUREL 257 - Modern Ethics
- AUPHI 250 - History of Christian Thought
- AUPHI 260 - Ethics
- AUPHI 358 - Philosophy of Religion II

### Notes

1. EDPS 456 is recommended as an Education option.
2. Students must take EDSE 378 during the term that falls between the IPT and APT. It is normally offered in the Fall Term only.

### Physical Education

- AUPED 160 - Sociocultural Aspects of Sport and Physical Activity
- AUPED 220 - Human Growth and Development
- AUPED 241 - Lifetime Fitness and Wellness

#### ★9 chosen from the following five activity dimensions:

#### Alternative Environments: at least ★1 from

- AUPAC 109
- AUPAC 123 - Aquatics
- AUPAC 125 - Canoeing
- AUPAC 134 - Indoor Climbing
- AUPAC 152 - Luge
- AUPAC 209
- AUPAC 253 - Advanced Luge
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing

#### Dance: ★1

- AUPAC 114 - Dance

#### Gymnastics: ★1

- AUPAC 161 - Gymnastics

#### Games: at least ★2 from

- AUPAC 103 - Tennis
- AUPAC 124 - Badminton
- AUPAC 131
- AUPAC 173 - Football
- AUPAC 177 - Soccer
- AUPAC 178
- AUPAC 179 - Volleyball
- AUPAC 180 - Softball (Fast Pitch)
- AUPAC 181 - Team Handball
- AUPAC 224 - Advanced Badminton
- AUPAC 270 - Adventure Games
- AUPAC 277 - Advanced Soccer
- AUPAC 278
- AUPAC 279 - Advanced Volleyball

#### Individual Activities: at least ★1 from

- AUPAC 109
- AUPAC 125 - Canoeing
- AUPAC 133 - Strength Training
- AUPAC 151 - Track and Field
- AUPAC 209

### Notes

1. The same credit may not be counted twice in courses that relate to more than one of the five activity dimensions
2. Students must take EDSE 348 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms.

### Physical Sciences

- ★6 senior Chemistry, Physics, or senior science courses in Environmental Studies or Geography (see Classification of Courses (1)).

#### ★6 general chemistry:

- AUCHE 110 - General Chemistry I
- AUCHE 112 - General Chemistry II

#### ★6 introductory physics:

- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics

#### Prerequisite courses: ★3 calculus:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 111 **OR**

- AUMAT 116 - Elementary Calculus I (Enriched)

Note: Students must take EDSE 366 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms. EDSE 366 is not open to students whose major is Biology, General Sciences, Mathematics and Physics, or Physical Sciences; these students must register in EDSE 305, which is normally offered in both the Fall and Winter Terms, or they can register for another EDSE (Minor) provided they meet the course prerequisites.

### Physics

- ★9 additional senior AUPHY.

#### ★9 introductory physics:

- AUPHY 110 - Mechanics
- AUPHY 120 - Waves, Thermodynamics, and Optics
- AUPHY 250 - Electricity and Magnetism

#### Prerequisite courses: ★6 calculus:

- AUMAT 110 - Elementary Calculus I **OR**
- AUMAT 111 **OR**
- AUMAT 116 - Elementary Calculus I (Enriched)
- 
- AUMAT 112 - Elementary Calculus II

Note: Students must take EDSE 366 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms. EDSE 366 is not open to students whose major is Biology, General Sciences, Mathematics and Physics, or Physical Sciences; these students must register in EDSE 305, which is normally offered in both the Fall and Winter Terms, or they can register for another EDSE (Minor) provided they meet the course prerequisites.

### Second Languages: French

#### ★12–15 in Language courses, chosen from

- AUFRE 101 - Beginners' French I
- AUFRE 102 - Beginners' French II
- AUFRE 201 - Intermediate French I
- AUFRE 202 - Intermediate French II
- AUFRE 301 - Advanced French I
- AUFRE 402 - Directed Study: Language

#### ★3–6 in Literature/Culture, chosen from

- AUFRE 305 - Aspects of Civilization and Culture of France I
- AUFRE 403 - Directed Reading

Note: Students must take EDSE 370 during the term that falls between the IPT and APT. It is normally offered in both the Fall Term only. EDSE 370 is not open to students whose major is also a Second Language; these students must register in EDSE 305, which is normally offered in both the Fall and Winter Terms, or they can register for another EDSE (Minor) provided they meet the course prerequisites.

### Second Languages: German

#### ★12–15 in Language courses, chosen from

- AUGER 101 - Beginners' German I
- AUGER 102 - Beginners' German II
- AUGER 200 - Intermediate German I and II
- AUGER 201 - Intermediate German I
- AUGER 202 - Intermediate German II
- AUGER 300 - Advanced German I and II
- AUGER 301 - Advanced German I
- AUGER 302 - Advanced German II
- AUGER 400 - Advanced German III and IV
- AUGER 402 - Directed Study: Translation Techniques

#### ★3–6 in Literature/Culture, chosen from

- AUGER 403 - Directed Reading

Note: Students must take EDSE 370 during the term that falls between IPT and APT. It is normally offered in both the Fall Term only. EDSE 370 is not open to students whose major is also a Second Language; these students must register in EDSE 305, which is normally offered in both the Fall and Winter Terms, or they can register for another EDSE (Minor) provided they meet the course prerequisites.

### Second Languages: Spanish

- ★12–15 in Language courses, chosen from

- AUSPA 101 - Beginners' Spanish I
- AUSPA 102 - Beginners' Spanish II
- AUSPA 201 - Intermediate Spanish I
- AUSPA 202 - Intermediate Spanish II
- AUSPA 301 - Advanced Spanish I
- AUSPA 302 - Advanced Spanish II
- AUSPA 402 - Directed Study: Language

#### ★3–6 in Literature/Culture, chosen from

- AUSPA 338
- AUSPA 340
- AUSPA 240
- AUSPA 403 - Directed Study: Literature

Note: Students must take EDSE 370 during the term that falls between IPT and APT. It is normally offered in both the Fall Term only. EDSE 370 is not open to students whose major is also a Second Language; these students must register in EDSE 305, which is normally offered in both the Fall and Winter Terms, or they can register for another EDSE (Minor) provided they meet the course prerequisites.

### Social Studies

#### ★6 Canadian Studies:

- AUHIS 261 - An Introduction to the Study of Canadian History, 1867 to the Present
- AUPOL 221
- ★6 World Studies chosen from
- AUHIS 104 - World History: The West
- AUHIS 105 - World History: The East and the South
- AUHIS 201 - European History I: Fall of the Roman Empire to the French Revolution
- AUHIS 202 - European History II: French Revolution to the Present
- AUHIS 250 - United States History to 1865
- AUHIS 251 - United States History since 1865
- AUHIS 260 - An Introduction to the Study of Canadian History to 1867
- AUHIS 322 - Nineteenth-Century Europe to 1849
- AUHIS 323 - Nineteenth-Century Europe since 1849
- AUHIS 325 - Twentieth-Century Europe
- AUHIS 337 - History of the Soviet Union, 1917 to 1941
- AUHIS 338 - History of the Soviet Union, 1941 to 1991
- AUPOL 240 - Introduction to International Relations I
- AUPOL 241
- AUPOL 248 - Model United Nations/International Organization
- AUPOL 324 - Selected Topics in Canadian Politics
- AUPOL 327
- AUPOL 341 - The Global South and World Politics
- AUPOL 348 - Model United Nations/International Organization
- AUPOL 422
- AUPOL 424 - Selected Topics in Canadian Politics
- AUSOC 218 - Sociology of Global and Development Issues
- AUSOC 391 - Social Change from Development to Globalization
- AUCRI 422

#### ★6 Cultural Studies chosen from

- AUSOC 101 - Introducing Sociology: Principles and Practice
- AUSOC 103 - Introducing Sociology: Institutions and Insight
- AUSOC 105 - Social Anthropology
- AUSOC 222 - Canadian Social Issues
- AUSOC 225 - Criminology: A Canadian Perspective
- AUSOC 275 - Sex, Gender, and Society
- AUSOC 358 - Environmental Sociology
- AUSOC 377 - Theoretical Approaches to Gender
- AUIDS 160 - Introduction to Crime, Correction, and Community
- AUIDS 230 - Introduction to Women's Studies
- AUCRI 160 - Introduction to Crime, Correction, and Community
- AUCRI 222 - Canadian Social Issues
- AUCRI 225 - Criminology: A Canadian Perspective
- AUPOL 325
- AUREL 282 - Major Religious Traditions: Middle East

Note: Students must take EDSE 374 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms..

## Options (€0-18)

★0-18 non-Education options, depending on the number of prerequisites and supporting courses required on the selected major and minor and on the degree of overlap between the core, general, major and minor requirements

### Selection of Courses

1. The following regulations govern the degrees program:
2. A student's program must be approved by an advisor in the appropriate Faculty prior to the start of each Fall/Winter.
3. Within the ★150 program, a student must complete a minimum of ★48 science, ★24 arts, and ★48 Education. (See Classification of Courses).
4. Normally, no more than ★48 at the 100-level are permitted in the degrees program.
5. If there is overlap between the requirements of the selected major and minor, additional courses must be taken in the area of the major and/or minor such that the total number of credits on the major and minor is 60. This provision does not apply to courses listed as prerequisites or supporting courses. The courses to be taken to compensate for the overlap in requirements between a student's major and minor subjects must be approved by the Chair of the Department of Science.

### Additional information for Students

Many of the Augustana Faculty's senior science courses are offered only in alternate years, and some are offered only if there is sufficient student demand.

### Academic Standing and Graduation

Continuation in the Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana) requires a Fall/Winter Grade Point Average (GPA) of at least 2.3. [See Grade Point Average (GPA) regarding the rules for calculating Grade Point Average.]

A student who fails to meet the continuation requirement must withdraw from the BSc/BEd Degrees program. Such a student may transfer to another program in the Augustana Faculty, the Faculty of Education, or another Faculty, if entrance and promotion requirements for that program are met. After transfer, all requirements for the new program must be met. (See Academic Standing and Graduation for academic standing regulations pertaining to the Augustana Faculty BA and BSc programs and Academic Standing and Promotional Standards for academic standing regulations for admission to the Faculty of Education BEd program.)

Graduation requirements for the Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana) are specified in Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana).

## Certificates

### Certificate in Community Mental Health: Theory and Practice

The Certificate in Community Mental Health: Theory and Practice is administered by the Augustana Faculty and is available to students with a major in psychology in the Augustana Faculty BA or BSc program.

This certificate will provide students with the necessary understanding and skills to work with mental health or health-related community programs. To this end, the certificate program offers training in principles of psychological health. This includes coverage of psychological and neuropsychological disorders, as well as basic principles of health psychology. In addition, students will learn about community psychology and principles of social psychology.

The program consists of a subset of the courses needed to satisfy the psychology major requirements. Lectures will be scheduled throughout the week, with some classes possibly offered at night. The lecture component will be delivered via face-to-face instruction at the Augustana Campus.

To qualify for the Certificate in Community Mental Health: Theory and Practice, students accepted into the program must successfully complete ★24 credits, as follows (each course is ★3 credits):

### Requirements

- AUPSY 240 - Social Psychology
- AUPSY 275 - An Introduction to the Brain and Nervous System
- AUPSY 342 - Health Psychology
- AUPSY 346 - Community Psychology
- AUPSY 377 - Human Neuropsychology
- AUPSY 483 - Psychological Disorders
- Plus ★6 additional credits from the following list:
- AUSOC 224 - Sociology of Deviant Behaviour
- AUPSY 414 - Program Evaluation in Psychology
- AUPSY 486 - Clinical and Counselling Psychology

### Notes

In addition, within the ★24 and/or the courses in their Psychology major, students are required to take ★6 of courses with a CSL (Community Service-Learning) component.

There are a limited number of spaces available. Normally, a student will make an application at the end of their second year. Interested students should consult with their Academic Advisor as early as possible. To be admitted, students must have a major GPA of 2.7 or above, and must submit an essay. Students should submit an essay (maximum 1,500 words) describing why they want to enter the program and what benefits they anticipate from the program. The essay will be evaluated by members of the psychology discipline who will make a recommendation regarding admission to the embedded certificate program to the Chair of the Department of Social Sciences. Please see the Augustana Psychology Department website for more details about the essay and application process.

Once admitted, to remain in the program students must maintain a major GPA of 2.7 until they graduate.

### Certificate in Writing Studies

A Writing Studies Certificate indicates a high level of achievement in written communication. Writing is a fundamental aspect of education that crosses fields, disciplines, departments and programs, and the research-teaching divide. Writing helps develop critical thinking as it allows individuals to reflect upon, understand, and learn complex new ideas. Writing enables the growth of insight into knowledge, and good writing skills are at the heart of clear, concise, and cogent communication.

Writing is, in fact, a cornerstone to nearly all postsecondary academic endeavours, and it is the integral connection between learning and discovery. Enhanced skills in written communication gained through the integration of learning and discovery, and through multidisciplinary endeavours, are necessary for the highest achievements in knowledge acquisition and translation. The requirements for this Certificate are founded in both mentorship and peer-based learning, and will inspire students to a deeper engagement with personal development. Excellent writing skills are a necessary competency that stands out in an increasingly competitive job market.

To qualify for the Certificate in Writing Studies, students accepted into the program must successfully complete ★30 credits as follows:

#### ★12 of writing instruction:

- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period

#### One of

- AUENG 213 - The English Language
- AUENG 215 - Creative Writing
- AUENG 313 - The English Language

#### One of

- AUIDS 242
- AUIDS 244 - Introduction to Peer Tutoring and Second-Language Learning Practices in the Writing Centre

#### ★18 in courses designated as "writing intensive" according to the following criteria

- at least 3,000 words of assigned writing,
- at least 50% of the course grade based on writing assignment including but not limited to essays, journals, lab manuals, and exams/quizzes that are graded and returned to the student,
- substantial revision of writing/staged writing assignments through faculty and/or peer review,

- class time devoted to instruction in writing in the discipline.

This certificate is awarded upon graduation...

**Courses eligible for inclusion in this requirement are as follows:**

- AUBIO 253 - Ecological Interactions
- AUBIO 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUBIO 390 - Animal Behaviour
- AUBIO 413 - Advanced Topics in Evolutionary Ecology
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUCRI 453 - Women and the Law
- AUDRA 384 - Playwriting
- AUENG 202
- AUENG 205 - Children's Literature
- AUENG 207 - Aboriginal/Indigenous Literature
- AUENG 230 - The Early English Renaissance
- AUENG 240 - Restoration and Eighteenth Century Literature and Culture
- AUENG 268 - Women and Environmental Literature
- AUENG 270 - United States Literature to 1865
- AUENG 271 - United States Literature since 1865
- AUENG 280 - Canadian Literature to 1950
- AUENG 281 - Canadian Literature since 1950
- AUENG 292 - Feminist Critical Theory and Women's Writing
- AUENG 302
- AUENG 305 - Children's Literature
- AUENG 307 - Aboriginal/Indigenous Literature
- AUENG 314 - Advanced Creative Writing: Poetry
- AUENG 319 - Playwriting
- AUENG 330 - The Early English Renaissance
- AUENG 368 - Women and Environmental Literature
- AUENG 370 - United States Literature to 1865
- AUENG 371 - United States Literature since 1865
- AUENG 380 - Canadian Literature to 1950
- AUENG 381 - Canadian Literature since 1950
- AUENG 382 - Postcolonial Literature and Theory
- AUENG 392 - Feminist Critical Theory and Women's Writing
- AUENV 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUHIS 190 - The Historian's Craft: Research Skills and Tools
- AUHIS 260 - An Introduction to the Study of Canadian History to 1867
- AUHIS 261 - An Introduction to the Study of Canadian History, 1867 to the Present
- AUHIS 361 - Selected Topics in Canadian History
- AUHIS 460 - Selected Topics in Canadian History
- AUHIS 467 - The Collaborative Research Seminar: Selected Topics in Canadian History
- AUHIS 480 - The Historian's Craft: Historiography
- AUIDS 270 - Topics in Integrative Studies
- AUMGT 330 - Introduction to Marketing
- AUPHI 102 - Introduction to Western Philosophy II: Modern Philosophy
- AUPHI 200 - Metaphysics: Theories of Reality
- AUPHI 210 - Epistemology: Theories of Knowledge
- AUPHI 277 - Women, Darkness and Crooked Things: Feminist Philosophy
- AUPHI 340
- AUPHI 350 - Philosophy of Science
- AUPHI 351 - Thinking About Sex: Philosophy, Science, and the Construction of Sex
- AUPHI 355 - Philosophy and the Environment
- AUPHI 365 - Aesthetics
- AUPOL 310 - Contemporary Political Thought
- AUPOL 453 - Women and the Law
- AUPSY 362 - Cognitive Development
- AUPSY 471 - Language Acquisition
- AUPSY 497 - Individual Study I
- AUPSY 499 - Individual Study II
- AUSCA 237 - Selected Topics in Scandinavian Literature
- AUSCA 261
- AUSCA 271 - Personal Narratives of the North

**Notes**

Other courses may be approved by Augustana Faculty if they meet the requirements of this certificate program. Students should consult with their Academic Advisor.

Normally a student will make an application at the end of their second year. Interested students should consult with their Academic Advisor as early as possible. To be admitted, students must have a cumulative GPA of 2.7 or above. Once admitted, students must successfully complete the 30 credits stipulated above with a minimum 2.7 GPA.