### 52.2 General Program Information

#### AUGUSTANA CHART 1 Core Requirements

**Diversity and Global Studies (DGS)**
AUCLA 194, 294; AUCR 224, 453; AUECO 252, 254, 264, 360, 364, 463, 465; AUENG 205, 207, 292, 305, 307, 392; AUGRE 101, 102, 201, 202, 301; AUGDS 222, 223, 224, 225, 322, 323, 324, 325, 427, 428; AUGEO 242; AUGER 101, 102, 200, 201, 202, 300, 301, 302, 400; AUGDS 222, 223, 224, 225, 322, 323, 324, 325, 427, 428; AUGEO 343; AUGER 200, 300, 400; AUHIS 333, 467; AUHIS 333, 467; AUIDS 260; AUMGT 399; AUMUS 375, 475; AUPED 184, 285, 286, 292, 388; AUPOL 248, 348, 399; AUREL 307; AUSOC 339.

**Experiential Learning (EL)**
AUBIO 359, 459; AUCSL* 300, 350, 360, 480; AUECO 254; AUENG 260, 359, 459; AUFRE 308; AUGDS 222, 223, 224, 225, 322, 323, 324, 325, 427, 428; AUGEO 343; AUGER 200, 300, 400; AUIDS 333, 467; AUIDS 260; AUMGT 399; AUMUS 375, 475; AUPED 184, 285, 286, 292, 388; AUPOL 248, 348, 399; AUREL 266; AUSOC 339.

* Non AUCSL courses that include an approved CSL component qualify for inclusion in the EL category. These offerings may change annually, so contact an Academic Advisor for more information.

### 52.8 BSc/BEd (Secondary) Combined Degrees Program (Augustana)

#### 52.8.3 Program Requirements

(...no changes until...)

(3) **Education Requirements** (★48)

- ★3 AUEPS 258.
- ★6 EDPY 301 and 303.
- ★12 EDFX 350 and 450.
- ★6 EDPS 310 and 410.
- ★3 EDSE 451.
- ★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).

### 52.2 General Program Information

#### AUGUSTANA CHART 1 Core Requirements

**Diversity and Global Studies (DGS)**
AUCLA 194, 294; AUCR 224, 453; AUECO 252, 254, 264, 360, 364, 463, 465; AUENG 205, 207, 292, 305, 307, 392; AUGRE 101, 102, 201, 202, 301; AUGDS 222, 223, 224, 225, 322, 323, 324, 325, 427, 428; AUGEO 242; AUGER 101, 102, 200, 201, 202, 300, 301, 302, 400; AUGEO 242; AUGER 101, 102, 200, 201, 202, 300, 301, 302, 400; AUGDS 222, 223, 224, 225, 322, 323, 324, 325, 427, 428; AUGEO 242; AUGER 101, 102, 200, 201, 202, 300, 301, 302, 400; AUGEO 242; AUGER 200, 300, 400; AUHIS 333, 467; AUIDS 260; AUMGT 399; AUMUS 375, 475; AUPED 184, 285, 286, 292, 388; AUPOL 248, 348, 399; AUREL 266; AUSOC 339.

**Experiential Learning (EL)**
AUBIO 359, 459; AUCSL* 300, 350, 360, 480; AUECO 254; AUENG 260, 359, 459; AUFRE 308; AUGDS 222, 223, 224, 225, 322, 323, 324, 325, 427, 428; AUGEO 343; AUGER 200, 300, 400; AUIDS 333, 467; AUIDS 260; AUMGT 399; AUMUS 375, 475; AUPED 184, 285, 286, 292, 388; AUPOL 248, 348, 399; AUREL 266; AUSOC 339.

* Non AUCSL courses that include an approved CSL component qualify for inclusion in the EL category. These offerings may change annually, so contact an Academic Advisor for more information.

### 52.8 BSc/BEd (Secondary) Combined Degrees Program (Augustana)

#### 52.8.3 Program Requirements

(...no changes until...)

(3) **Education Requirements** (★48)

- ★3 AUEPS 258.
- ★6 EDPY 301 and 303.
- ★12 EDFX 350 and 450.
- ★6 EDPS 310 and 410.
- ★3 EDSE 451.
- ★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).
<table>
<thead>
<tr>
<th>Minor Subject</th>
<th>Course Details</th>
</tr>
</thead>
</table>
| **Biology**   | ⚫6 evolution and cell biology: AUBIO 110 and 130.  
                ⚫6 ecology and genetics: AUBIO 253 and 260.  
                ⚫6 additional senior Biology, at least ⚫3 of which must be at the 300 or 400 level.  
                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 general chemistry: AUCHE 110 and 112.  
                ⚫3 organic chemistry: AUCHE 250.  
                ⚫3 senior chemistry: one of AUCHE 220, 230, and 279.  
                ⚫6 additional senior Chemistry, at least ⚫3 of which must be at the 300 or 400 level.  
                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. |
f. **General Sciences**

- 6 Biology.
- 6 Chemistry.
- 6 Physics.

Prerequisite course:
- 3 calculus: AUMAT 110 or 111.

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 405, 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.

{"...no further changes until..."}

k. **Physical Sciences**

- 6 general chemistry: AUCHE 110 and 112.
- 6 introductory physics: AUPHY 110 and 120.
- 6 senior Chemistry, Physics, or senior science courses in Environmental Studies or Geography (see §55.2 Classification of Courses, subsection 1).

Prerequisite course:
- 3 calculus: AUMAT 110 or 111.

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 405, 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.

l. **Physics**

- 9 introductory physics: AUPHY 110, 120, and 250.
- 9 additional senior AUPHY.

Prerequisite courses:
- 6 calculus: AUMAT 110 or 111, and 112.

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 405, 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.
is Biology, General Sciences, Mathematics and Physics, or Physical Sciences; these students must register in EDSE 405, 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.

m. Second Languages: French
★ 12–15 in Language courses, chosen from AUFRE 101, 102, 201, 202, 222, 301, 310, 311, 317, 402.
Note: Students must take EDSE 370 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms.

n. Second Languages: German
★ 12–15 in Language courses, chosen from AUGER 101, 102, 200, 201, 202, 214, 300, 301, 302, 314, 317, 400, 402.
Note: Students must take EDSE 370 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms.

o. Second Languages: Spanish
★ 12–15 in Language courses, chosen from AUSPA 100, 101, 102, 200, 201, 202, 301, 302, 402.
Note: Students must take EDSE 370 during the term that falls between the IPT and APT. It is normally offered in both the Fall and Winter Terms.

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.

m. Second Languages: French
★ 12–15 in Language courses, chosen from AUFRE 101, 102, 201, 202, 222, 301, 310, 311, 317, 402.
Note: Students must take EDSE 370 during the term that falls between the IPT and APT. It is normally offered in 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.

n. Second Languages: German
★ 12–15 in Language courses, chosen from AUGER 101, 102, 200, 201, 202, 214, 300, 301, 302, 314, 317, 400, 402.
Note: Students must take EDSE 370 during the term that falls between the IPT and APT. It is normally offered in 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.

o. Second Languages: Spanish
★ 12–15 in Language courses, chosen from AUSPA 100, 101, 102, 200, 201, 202, 301, 302, 402.
Note: Students must take EDSE 370 during the term that falls between the IPT and APT. It is normally offered in the Fall Term only. EDSE
Terms.

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.

Course Changes
For Early Implementation, ie, September 2011

<table>
<thead>
<tr>
<th>Current</th>
<th>Proposed</th>
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</table>
| **AUCHE 277 Introduction to Relativity and Quantum Mechanics**  
*3 (fi 6) (either term, 3-0-0).  
Special relativity; photons and matter waves; Bohr atom model; Heisenberg Uncertainty Principle; Schrödinger equation; one-dimensional systems; hydrogen atom; spin; Pauli Exclusion Principle; many-electron atoms; molecules. Prerequisites: AUCHE 112, AUMAT 112, and AUPHY 120. Corequisite: AUMAT 211. Note: Credit may be obtained for only one of AUCHE 277, AUPHY 260. | **AUCHE 277 Introduction to Relativity and Quantum Mechanics**  
*3 (fi 6) (either term, 3-0-0).  
Special relativity; photons and matter waves; Bohr atom model; Heisenberg Uncertainty Principle; Schrödinger equation; one-dimensional systems; hydrogen atom; spin; Pauli Exclusion Principle; many-electron atoms; molecules. Prerequisites: AUCHE 112, AUMAT 112, and AUPHY 120. Corequisite: AUMAT 211 is recommended. Note: Credit may be obtained for only one of AUCHE 277, AUPHY 260. |
| **AUGER 415 German Immersion Community Service-Learning**  
*3 (fi 6) (Spring/summer, variable)  
Students provide 50 hours of community service to participants in the Canadian Summer School in Germany program in the form of supervised classroom support and peer consultation. They also critically reflect on curriculum as planned, taught, and interpreted language teacher-student professional interpersonal relations. Prerequisite: Having participated in the Canadian Summer School in Germany and having completed AUGER 200, 300, or 400 and consent of the instructor. Note: Students enrolling in this course must be able to demonstrate a high level of German language proficiency. | **AUGER 415 German Immersion Community Service-Learning**  
*3 (fi 6) (Spring/summer, variable)  
Students provide 50 hours of community service to participants in the Canadian Summer School in Germany program in the form of supervised classroom support and peer consultation. They also critically reflect on curriculum as planned, taught, and interpreted language teacher-student professional interpersonal relations. Prerequisite: Having participated in the Canadian Summer School in Germany and having completed AUGER 200, 300, or 400 and consent of the instructor. Note: Students enrolling in this course must be able to demonstrate a high level of German language proficiency. |
| **AUPHY 260 Introduction to Relativity and Quantum Mechanics**  
*3 (fi 6) (either term, 3-0-0).  
Special relativity; photons and matter waves; Bohr atom model; Heisenberg Uncertainty Principle; Schrödinger equation; one-dimensional systems; hydrogen atom; spin; Pauli Exclusion Principle; many-electron atoms; molecules. Prerequisites: AUPHY 120 and AUMAT 112. Corequisite: AUMAT 211. Note: Credit may be obtained for only one of AUPHY 260, AUCHE 277. | **AUPHY 260 Introduction to Relativity and Quantum Mechanics**  
*3 (fi 6) (either term, 3-0-0).  
Special relativity; photons and matter waves; Bohr atom model; Heisenberg Uncertainty Principle; Schrödinger equation; one-dimensional systems; hydrogen atom; spin; Pauli Exclusion Principle; many-electron atoms; molecules. Prerequisites: AUPHY 120 and AUMAT 112. Corequisite: AUMAT 211 is recommended. Note: Credit may be obtained for only one of AUPHY 260, AUCHE 277. |