Curriculum Guides
2020-2021
CORE REQUIREMENTS

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

Foundation Courses: (Majors take all foundation courses)  Grade

- ART 100 Level Drawing Course  4 CH
- ART 200 Level Drawing Course  4 CH
- ART 100 Level Painting Course  4 CH
- ART 200 Level Painting Course  4 CH
- ART 100 Level Sculpture Course  4 CH
- ART 200 Level Sculpture Course  4 CH
- ART 200 or 300 Level Studio Elective  4 CH
- ART 101 Survey of Art I  3 CH
- ART 201 Survey of Art II  3 CH

2020-09-21
CORE REQUIREMENTS

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 145 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
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Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

I. Foundation Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 145</td>
<td>Foundations of Biology</td>
<td>4 CH</td>
</tr>
</tbody>
</table>

And one of the following four systematics courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 212</td>
<td>Microbiology</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 222</td>
<td>Entomology</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 262</td>
<td>Animal Systematics</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 263</td>
<td>Plant Systematics</td>
<td>4 CH</td>
</tr>
</tbody>
</table>

II. Breadth in the Discipline of Biology

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<tr>
<th>Course</th>
<th>Title</th>
<th>Grade</th>
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<tbody>
<tr>
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<td>Cell Biology</td>
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<td>BIO 322</td>
<td>Genetics</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 342</td>
<td>Biostats and Research Methods</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 392</td>
<td>General Ecology</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO XXX</td>
<td>Elective</td>
<td>4 CH</td>
</tr>
</tbody>
</table>

Note: The elective must be from a 4 credit 200 or 300 level BIO lab course the only 3 cr exception is BIO 350-Principles of Immunology. Students may also choose NSCI 202, 209, or 315. Courses applied as foundational courses may not also be applied as breadth in the discipline courses.

III. Senior Capstone Experience

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 395</td>
<td>Junior Research Seminar</td>
<td>1 CH</td>
</tr>
<tr>
<td>BIO 462</td>
<td>Senior Seminar</td>
<td>2 CH</td>
</tr>
</tbody>
</table>

And one of the following two courses:

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<th>Grade</th>
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<tbody>
<tr>
<td>BIO 452</td>
<td>Advanced Biology</td>
<td>2 CH</td>
</tr>
<tr>
<td>BIO 482</td>
<td>Independent Study</td>
<td>2 CH</td>
</tr>
</tbody>
</table>

Note: A completed research project under the supervision of a Biology department faculty member is required of the student majoring in Biology. The project is culminated with a formal scientific research paper and formal oral presentation. See Biology Chair for specific requirements of the research project.

IV. Related Math and Science Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 142</td>
<td>Precalculus (min. requirement)</td>
<td>3 CH</td>
</tr>
</tbody>
</table>

And one of the following three pairings:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 140</td>
<td>General Chemistry I</td>
<td>4 CH</td>
</tr>
<tr>
<td>CHEM 160</td>
<td>General Chemistry II</td>
<td>4 CH</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 154</td>
<td>Physics I (non-calc based)</td>
<td>4 CH</td>
</tr>
<tr>
<td>PHYS 164</td>
<td>Physics II (non-calc based)</td>
<td>4 CH</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 174</td>
<td>Physics I (calculus based)</td>
<td>4 CH</td>
</tr>
<tr>
<td>PHYS 184</td>
<td>Physics II (calculus based)</td>
<td>4 CH</td>
</tr>
</tbody>
</table>

Note: All courses taken for the major must be passed with a grade of C- or better.

2020-09-21
Bachelor of Science in Biology

CORE REQUIREMENTS

Literacies
Composition
❑ ENG 101: College Writing (C- or better)

Presentation
❑ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
❑ MATH 142 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
❑ Natural or Physical Science Lab
❑ One additional Science or Quantitative Course

Creative/Humanistic
❑ Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
❑ REL 120, 121, 122, or 123
❑ Humanities Course
(English, history, languages, philosophy, or religion)
❑ One additional Creative or Humanities Course

Socio-Political
❑ Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
❑ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
❑ SEMS 110: Introduction to Seminar
❑ SEMS 250: World Cultures
❑ SEMS 400: Global Issues

Concern for Physical Well-Being
❑ Theory Course

MAJOR REQUIREMENTS

I. Foundation Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 145</td>
<td>Foundations of Biology</td>
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And one of the following four systematics courses:

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<td>Microbiology</td>
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II. Breadth in the Discipline of Biology

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<td>General Ecology</td>
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Note: the elective must be from a 4 credit 200 or 300 level BIO lab course. Students may also choose NSCI 202, 209, or 315.

And one of the following two courses:

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<tbody>
<tr>
<td>BIO 350</td>
<td>Immunology</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 399</td>
<td>Molecular Biology</td>
<td>4 CH</td>
</tr>
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Note: Courses applied as foundational courses may not also be applied as breadth in the discipline courses.

III. Senior Capstone Experience

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<td>Advanced Biology</td>
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IV. Related Math and Science Courses

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</thead>
<tbody>
<tr>
<td>MATH 181</td>
<td>Calculus I</td>
<td>4 CH</td>
</tr>
<tr>
<td>CHEM 140</td>
<td>General Chemistry I</td>
<td>4 CH</td>
</tr>
<tr>
<td>CHEM 160</td>
<td>General Chemistry II</td>
<td>4 CH</td>
</tr>
<tr>
<td>CHEM 200</td>
<td>Organic Chemistry I</td>
<td>4 CH</td>
</tr>
<tr>
<td>CHEM 210</td>
<td>Organic Chemistry II</td>
<td>4 CH</td>
</tr>
<tr>
<td>CHEM 345</td>
<td>Biochemistry I</td>
<td>4 CH</td>
</tr>
</tbody>
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Note: All courses taken for the major must be passed with a grade of C- or better.
CORE REQUIREMENTS

Literacies

Composition
❑ ENG 101: College Writing (C- or better)

Presentation
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Quantitative/Scientific Reasoning
❑ MATH 145 or higher (C- or better)
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Concern for Physical Well-Being
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MAJOR REQUIREMENTS

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<tr>
<td>BIO 145</td>
<td>Foundations of Biology</td>
<td>4 CH</td>
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<tr>
<td>BIO 116</td>
<td>Conservation Biology</td>
<td>3 CH</td>
</tr>
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<td>BIO 263</td>
<td>Plant Systematics</td>
<td>4 CH</td>
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And one of the following two courses:

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<tr>
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<tbody>
<tr>
<td>BIO 262</td>
<td>Animal Systematics</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 222</td>
<td>Entomology</td>
<td>4 CH</td>
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II. Breadth in the Discipline of Biology

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<tbody>
<tr>
<td>BIO 342</td>
<td>Biostats and Research Methods</td>
<td>4 CH</td>
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<td>General Ecology</td>
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And two of the following courses:

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<tbody>
<tr>
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<td>Animal Systematics</td>
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</tr>
<tr>
<td>BIO 272</td>
<td>Animal Behavior</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 273</td>
<td>Toxicology</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 302</td>
<td>Plant Physiology</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 394</td>
<td>Aquatic Ecology</td>
<td>4 CH</td>
</tr>
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Note: Courses applied as foundation courses may not also be applied as breadth discipline courses.

III. Senior Capstone Experience

<table>
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And one of the following two courses:

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MAJOR REQUIREMENTS

IV. Specific I.R. courses, related sciences

One of the following three pairings:  

- CHEM 140  General Chemistry I  4 CH ____
- CHEM 160  General Chemistry II  4 CH ____

OR
- PHYS 154  Physics I (non-calc based)  4 CH ____
- PHYS 164  Physics II (non-calc based)  4 CH ____

OR
- PHYS 174  Physics I (calculus based)  4 CH ____
- PHYS 184  Physics II (calculus based)  4 CH ____

And students must choose one of the following two courses:

- POSC 116  American Gov't & Politics  3 CH ____
- POSC 236  Public Policy  3 CH ____

And one of the following two courses:

- ECON 211  Macroeconomics  3 CH ____
- ECON 221  Microeconomics  3 CH ____

And one of the following two courses:

- SOC 141  Macrosociology  3 CH ____
- SOC 211  Anthropology  3 CH ____

And one of the following three courses:

- REL 200  Contemporary Ethical Issues  3 CH ____
- PHIL 267  Ethics  2 CH ____
- PHIL 297  Environmental Ethics  2 CH ____

And the following credit requirement for these courses:

- Foreign Language (Especially Spanish)  3 CH ____
- MATH 107  College Algebra (minimum)  3 CH ____
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 142 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
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**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years
  of high school language courses or proficiency test
  score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

**I. Foundation Courses**

- BIO 145 Foundations of Biology 4 CH
- BIO 116 Conservation Biology 3 CH
- BIO 263 Plant Systematics 4 CH

And one of the following two courses:

- BIO 262 Animal Systematics 4 CH
- BIO 222 Entomology 4 CH

**II. Breadth in the Discipline of Biology**

- BIO 290 Cell Biology 4 CH
- BIO 322 Genetics 4 CH
- BIO 342 Biostats and Research Methods 4 CH
- BIO 392 General Ecology 4 CH

Two courses from the following:

- BIO 212 Microbiology 4 CH
- BIO 222 Entomology 4 CH
- BIO 262 Animal Systematics 4 CH
- BIO 272 Animal Behavior 4 CH
- BIO 273 Toxicology 4 CH
- BIO 302 Plant Physiology 4 CH
- BIO 394 Aquatic Ecology 4 CH

Note: Courses applied as foundation courses may not also be applied as breadth discipline courses.

**III. Senior Capstone Experience**

- BIO 395 Junior Research Seminar 1 CH
- BIO 462 Senior Seminar 2 CH

And one of the following two courses:

- BIO 452 Advanced Biology 2 CH
- BIO 482 Independent Study 2 CH

Note: A completed research project under the supervision of a biology department faculty member is required of the student majoring in Biology. The project is culminated with a formal scientific research paper and formal oral presentation. See Biology Chair for specific requirements of the research project.
## MAJOR REQUIREMENTS

### IV. Specific I.R. courses, related sciences

One of the following three pairings:  

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<td>Physics I (non-calc based)</td>
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<tr>
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<tr>
<td>PHYS 174</td>
<td>Physics I (calculus based)</td>
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</tr>
<tr>
<td>PHYS 184</td>
<td>Physics II (calculus based)</td>
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And students must choose one of the following two courses:

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<tbody>
<tr>
<td>POSC 116</td>
<td>American Gov’t &amp; Politics</td>
<td>3 CH</td>
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<td>POSC 236</td>
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<td>3 CH</td>
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<tr>
<td>SOC 141</td>
<td>Macrosociology</td>
<td>3 CH</td>
</tr>
<tr>
<td>SOC 211</td>
<td>Anthropology</td>
<td>3 CH</td>
</tr>
</tbody>
</table>

And one of the following three courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 200</td>
<td>Contemporary Ethical Issues</td>
<td>3 CH</td>
</tr>
<tr>
<td>PHIL 267</td>
<td>Ethics</td>
<td>2 CH</td>
</tr>
<tr>
<td>PHIL 297</td>
<td>Environmental Ethics</td>
<td>2 CH</td>
</tr>
</tbody>
</table>

And the following credit requirement for these courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language (Especially Spanish)</td>
<td>3 CH</td>
<td></td>
</tr>
<tr>
<td>MATH 142</td>
<td>Precalculus</td>
<td>3 CH</td>
</tr>
</tbody>
</table>
BACHELOR OF ARTS IN BIOLOGY
With Teaching Certificate

Fall 2020/Spring 2021

CORE REQUIREMENTS

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- IND 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 145 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

I. Foundation Courses

- BIO 145: Foundations of Biology 4 CH
- Both of the following systematics courses:
  - BIO 262: Animal Systematics 4 CH
  - BIO 263: Plant Systematics 4 CH

II. Breadth in the Discipline of Biology

- BIO 290: Cell Biology 4 CH
- BIO 322: Genetics 4 CH
- BIO 342: Biostats and Research Methods 4 CH
- BIO 392: General Ecology 4 CH
- BIO XXX: Elective 4 CH

Note: The elective must be from a 4 credit 200 or 300 level BIO lab course the only 3 cr exception is BIO 350-Principles of Immunology. Students may also choose NSCI 202, 209, or 315. Courses applied as foundational courses may not also be applied as breadth in the discipline courses.

III. Senior Capstone Experience

- BIO 395: Junior Research Seminar 1 CH
- BIO 462: Senior Seminar 2 CH

And one of the following two courses:

- BIO 452: Advanced Biology 2 CH
- BIO 482: Independent Study 2 CH

Note: A completed research project under the supervision of a Biology department faculty member is required of the student majoring in Biology. The project is culminated with a formal scientific research paper and formal oral presentation. See Biology Chair for specific requirements of the research project.

IV. Related Math and Science Courses

- MATH 142: Precalculus (min. requirement) 3 CH

And one of the following three pairings:

- CHEM 140: General Chemistry I 4 CH
- CHEM 160: General Chemistry II 4 CH

OR
- PHYS 154: Physics I (non-calc based) 4 CH
- PHYS 164: Physics II (non-calc based) 4 CH

OR
- PHYS 174: Physics I (calculus based) 4 CH
- PHYS 184: Physics II (calculus based) 4 CH

Note: All courses taken for the major must be passed with a grade of C- or better.
SECONDARY EDUCATION REQUIREMENTS in Biology

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Fall</td>
<td>EDUC 111</td>
<td>Foundations of American Education</td>
<td>3</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>SPED 356</td>
<td>Special Education</td>
<td>3</td>
<td>_____</td>
</tr>
<tr>
<td>Freshman Spring</td>
<td>EDUC 112</td>
<td>Psychology Foundations of Education</td>
<td>3</td>
<td>_____</td>
</tr>
<tr>
<td>Sophomore Fall</td>
<td>EDUC 215</td>
<td>Curriculum, Instruction, &amp; Assessment</td>
<td>3</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>EDUC 255</td>
<td>Mentoring</td>
<td>3</td>
<td>_____</td>
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*Note: EDUC 215 is a prerequisite for all other Phase II methodology courses*

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Junior Fall</td>
<td>SECED 325</td>
<td>Teaching Reading &amp; Writing in Content Areas</td>
<td>3</td>
<td>_____</td>
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<tr>
<td></td>
<td>SPED 357</td>
<td>Effective Instructional Practice &amp; Delivery Methods in Subject Area – All Special Ed.</td>
<td>3</td>
<td>_____</td>
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<tr>
<td>Junior Spring</td>
<td>SECED 340-370</td>
<td>Teaching in Secondary Schools</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Fall</td>
<td>EDUC 220</td>
<td>Integrated Instructional Systems</td>
<td>3</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>SECED 268</td>
<td>Mentoring II</td>
<td>3</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>SPED 358</td>
<td>Intensive Reading, Writing, &amp; Math Intervention</td>
<td>3</td>
<td>_____</td>
</tr>
<tr>
<td>Senior Spring</td>
<td>SECED 444</td>
<td>Student Teaching</td>
<td>3</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>EDUC 400</td>
<td>ELL</td>
<td>3</td>
<td>_____</td>
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</table>

ADDITIONAL COURSE REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>AH 105</td>
<td>Taking Care of Your Well-Being</td>
<td>2</td>
<td>_____</td>
</tr>
<tr>
<td>MATH 107</td>
<td>College Algebra</td>
<td>3</td>
<td>_____</td>
</tr>
<tr>
<td>MATH 125</td>
<td>Quantitative Reasoning</td>
<td>2</td>
<td>_____</td>
</tr>
</tbody>
</table>

*AH 105 meets the Core Well-Being Theory Course requirement

*Mathematics majors are exempt

*Mathematics majors are exempt
# CORE REQUIREMENTS

## Literacies

### Composition
- ENG 101: College Writing (C- or better)

### Presentation
- IND 101: Presentational Literacy (C- or better)

## Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  - (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

## Creative/Humanistic
- Fine or Performing Arts Course
  - (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  - (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

## Socio-Political
- Social Science Course
  - (Economics, geography, political science, psychology, sociology, or criminal justice)

## Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  - (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

## Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

## Concern for Physical Well-Being
- Theory Course

---

# MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>BIO 145</td>
<td>Foundations of Biology</td>
</tr>
<tr>
<td></td>
<td>BIO 212</td>
<td>Microbiology</td>
</tr>
<tr>
<td></td>
<td>BIO 290</td>
<td>Cell Biology</td>
</tr>
<tr>
<td></td>
<td>BIO 322</td>
<td>Genetics</td>
</tr>
<tr>
<td></td>
<td>BIO ___</td>
<td>1 Additional Biology Lab</td>
</tr>
<tr>
<td></td>
<td>MATH 211</td>
<td>Elementary Statistics</td>
</tr>
</tbody>
</table>

In the senior year, majors in Cytotechnology must attend one of the hospital-based, ASCP-approved programs for clinical training.
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- IND 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 142 or higher (C- or better)
  *(Exemption: Proficiency score at Pre-Calculus level)*
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  *(Art, music, or theater except THAR 101)*
- REL 120, 121, 122, or 123
- Humanities Course
  *(English, history, languages, philosophy, or religion)*
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  *(Economics, geography, political science, psychology, sociology, or criminal justice)*

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  *(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)*

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

---

MAJOR REQUIREMENTS

**Grade**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXER 105</td>
<td>Intro to Exercise Science</td>
<td>3 CH</td>
</tr>
<tr>
<td>EXER 205</td>
<td>Facility Management</td>
<td>3 CH</td>
</tr>
<tr>
<td>EXER 305</td>
<td>Exercise Testing &amp; Prescp. (Lab)</td>
<td>4 CH</td>
</tr>
<tr>
<td>EXER 310</td>
<td>Kinesiology</td>
<td>4 CH</td>
</tr>
<tr>
<td>EXER 315</td>
<td>Exercise Physiology (Lab)</td>
<td>4 CH</td>
</tr>
<tr>
<td>EXER 405</td>
<td>Strength &amp; Conditioning</td>
<td>4 CH</td>
</tr>
<tr>
<td>EXER 410</td>
<td>Seminar/Certification</td>
<td>2 CH</td>
</tr>
<tr>
<td>BIO 117</td>
<td>Medical Terminology</td>
<td>3 CH</td>
</tr>
<tr>
<td>BIO 284</td>
<td>Human Anatomy</td>
<td>4 CH</td>
</tr>
<tr>
<td>BIO 294</td>
<td>Human Physiology</td>
<td>4 CH</td>
</tr>
<tr>
<td>AH 125</td>
<td>Nutrition</td>
<td>3 CH</td>
</tr>
<tr>
<td>MATH 211</td>
<td>Elementary Statistics</td>
<td>4 CH</td>
</tr>
</tbody>
</table>

**Internship/Independent Study**

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXER 490</td>
<td>Independent Study in Exercise Research</td>
<td>3 CH</td>
</tr>
<tr>
<td>EXER 495</td>
<td>Internship in Exercise Science</td>
<td>3 CH</td>
</tr>
</tbody>
</table>
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- IND 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
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- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

- BIO 145 Foundations of Biology 4 CH
- BIO 212 Microbiology 4 CH
- BIO 294 Human Physiology 4 CH
- BIO 295 General Parasitology 4 CH
- BIO 350 Principles of Immunology 4 CH
- CHEM 140 General Chemistry I 4 CH
- CHEM 160 General Chemistry II 4 CH
- CHEM 200 Organic Chemistry I 4 CH
- CHEM 240 Quantitative Analysis 4 CH
- MATH 211 Elementary Statistics 4 CH
- PSY 150 General Psychology 3 CH

32 CH in Clinical Coursework**

**In their senior year, Medical Technology majors must attend one of the hospitals affiliated with Thiel College, or any other hospital with an ASCP-approved program in medical technology, for a year of clinical and classroom work. Thirty-two credit hours are awarded for this experience.**
CORE REQUIREMENTS

**Literacies**

- **Composition**
  - ENG 101: College Writing (C- or better)

**Presentation**

- IND 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**

- MATH 125 or higher (C- or better)
  
  (Exemption: Proficiency score at Pre-Calculus level)

- Natural or Physical Science Lab

- One additional Science or Quantitative Course

**Creative/Humanistic**

- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)

- REL 120, 121, 122, or 123

- Humanities Course
  (English, history, languages, philosophy, or religion)

- One additional Creative or Humanities Course

**Socio-Political**

- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**

- 150 and 151 or Intermediate Course (C- or better)
  
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**Seminar Series**

- SEMS 110: Introduction to Seminar

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**Concern for Physical Well-Being**

- Theory Course

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MAJOR REQUIREMENTS

**Grade**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 113</td>
<td>Principles of Accounting I +</td>
<td>3 CH</td>
</tr>
<tr>
<td>ACCT 123*</td>
<td>Principles of Accounting II ++</td>
<td>3 CH</td>
</tr>
<tr>
<td>ACCT 213*</td>
<td>Intermediate Accounting I+</td>
<td>3 CH</td>
</tr>
<tr>
<td>ACCT 223*</td>
<td>Intermediate Accounting II+</td>
<td>3 CH</td>
</tr>
<tr>
<td>ECON 211*</td>
<td>Principles of Macroeconomics+</td>
<td>3 CH</td>
</tr>
<tr>
<td>ECON 221*</td>
<td>Principles of Microeconomics</td>
<td>3 CH</td>
</tr>
<tr>
<td>MATH 211*</td>
<td>Elementary Statistics</td>
<td>4 CH</td>
</tr>
<tr>
<td>CIS 111*</td>
<td>Word Processing Applications</td>
<td>1 CH</td>
</tr>
<tr>
<td>CIS 112*</td>
<td>Spreadsheet Applications</td>
<td>1 CH</td>
</tr>
<tr>
<td>CIS 122*</td>
<td>Advanced Spreadsheet App.</td>
<td>1 CH</td>
</tr>
<tr>
<td>CIS 129*</td>
<td>Fundamentals of Information Systems</td>
<td>3 CH</td>
</tr>
<tr>
<td>BADM 355</td>
<td>Business Law I</td>
<td>3 CH</td>
</tr>
<tr>
<td>BADM 356</td>
<td>Business Law II</td>
<td>3 CH</td>
</tr>
<tr>
<td>ENG 260</td>
<td>Business &amp; Technical Writing</td>
<td>3 CH</td>
</tr>
<tr>
<td>BADM 384</td>
<td>Business Communication</td>
<td>3 CH</td>
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<td>ACCT 313</td>
<td>Cost Accounting</td>
<td>3 CH</td>
</tr>
<tr>
<td>ACCT 323</td>
<td>Personal Taxation</td>
<td>3 CH</td>
</tr>
<tr>
<td>ACCT 333</td>
<td>Corporate Taxation</td>
<td>3 CH</td>
</tr>
<tr>
<td>ACCT 423</td>
<td>Auditing</td>
<td>3 CH</td>
</tr>
<tr>
<td>ACCT 253</td>
<td>Payroll Accounting</td>
<td>3 CH</td>
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<tr>
<td>ACCT 343</td>
<td>Government Accounting</td>
<td>3 CH</td>
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<tr>
<td>ACCT 412</td>
<td>Accounting Info System</td>
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<tr>
<td>ACCT 413</td>
<td>Advanced Accounting</td>
<td>3 CH</td>
</tr>
<tr>
<td>ACCT 433</td>
<td>Accounting Theory</td>
<td>3 CH</td>
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<tr>
<td>ACCT 493</td>
<td>CPA – Preparing for Profession</td>
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<tr>
<td>ACCT 455</td>
<td>Cooperative Education</td>
<td>Vary</td>
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</tbody>
</table>

*To be completed by the end of sophomore year.
+Must earn C- or better.
++Must earn B- or better.
**CORE REQUIREMENTS**

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- IND 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
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  (Economics, geography, political science, psychology,
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- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years
   of high school language courses or proficiency test score
   at the intermediate level)

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- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

---

**MAJOR REQUIREMENTS**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 113</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 123*</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 213*</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 223*</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 313</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 323</td>
<td>Personal Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 333</td>
<td>Corporate Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 412</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 423</td>
<td>Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 453</td>
<td>Forensic Accounting &amp; Fraud Examination</td>
<td>3</td>
</tr>
<tr>
<td>BADM 344</td>
<td>Finance</td>
<td>3</td>
</tr>
<tr>
<td>BADM 355</td>
<td>Business Law I</td>
<td>3</td>
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<tr>
<td>BADM 356</td>
<td>Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>BADM 374</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BADM 384</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
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<tr>
<td>CIS 111*</td>
<td>Word Processing Applications</td>
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<td>CIS 112*</td>
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<td>CIS 122*</td>
<td>Advanced Spreadsheet App.</td>
<td>1</td>
</tr>
<tr>
<td>CIS 129*</td>
<td>Fundamentals of Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 351</td>
<td>Info Systems Security &amp; Forensics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 211*</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

*To be completed by the end of sophomore year.
†Must earn C- or better.
++Must earn B- or better.

---

2020-09-21
CORE REQUIREMENTS

Literacies
Composition
☐ ENG 101: College Writing (C- or better)
Presentation
☐ INDS 101: Presentational Literacy (C- or better)
Quantitative/Scientific Reasoning
☐ MATH 125 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
☐ Natural or Physical Science Lab
☐ One additional Science or Quantitative Course
Creative/Humanistic
☐ Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
☐ REL 120, 121, 122, or 123
☐ Humanities Course
(English, history, languages, philosophy, or religion)
☐ One additional Creative or Humanities Course
Socio-Political
☐ Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)
Foreign Language
☐ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)
Seminar Series
☐ SEMS 110: Introduction to Seminar
☐ SEMS 250: World Cultures
☐ SEMS 400: Global Issues
Concern for Physical Well-Being
☐ Theory Course

MAJOR REQUIREMENTS

Grade
☐ ACCT 113* Principles of Accounting I + 3 CH _____
☐ BADM 233* Managerial Accounting I + 3 CH _____
OR
☐ ACCT 313** Cost Accounting 3 CH _____
☐ ECON 211* Principles of Macroeconomics 3 CH _____
☐ ECON 221* Principles of Microeconomics 3 CH _____
☐ MATH 211* Elementary Statistics 4 CH _____
☐ CIS 111* Word Processing Applications 1 CH _____
☐ CIS 112* Spreadsheet Applications 1 CH _____
☐ CIS 113* Data Management Apps 1 CH _____
OR
☐ CIS 122* Advanced Spreadsheet App. 1 CH _____
☐ CIS 129* Fundamentals of Information Systems 3 CH _____
☐ BADM 355 Business Law I 3 CH _____
☐ BADM 356 Business Law II 3 CH _____
☐ BADM 374 Principles of Management 3 CH _____
☐ BADM 384 Business Communication 3 CH _____
OR
☐ ENG 260 Business & Technical Writing 3 CH _____

Finance Track
☐ BADM 344 Finance 3 CH _____

Choose any four of the following:
☐ ACCT 213 Intermediate Accounting I 3 CH _____
☐ BADM 304 Principles of Investments 3 CH _____
☐ BADM 334 Risk Management & Insurance 3 CH _____
☐ BADM 490 Strategic Management 3 CH _____
☐ BADM 476 International Business 3 CH _____
☐ CSCI 179 Programming – Visual Basic 3 CH _____

*To be completed by the end of sophomore year.
**Accounting Majors/Minors only.
+Must earn C- or better.
CORE REQUIREMENTS

Literacies
Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology,
  sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years
  of high school language courses or proficiency test
  score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

Grade

- ACCT 113* Principles of Accounting I + 3 CH ____
- BADM 233* Managerial Accounting I + 3 CH ____
- OR
- ACCT 313**Cost Accounting 3 CH ____
- ECON 211* Principles of Macroeconomics 3 CH ____
- ECON 221* Principles of Microeconomics 3 CH ____
- MATH 211* Elementary Statistics 4 CH ____
- CIS 111* Word Processing Applications 1 CH ____
- OR
- CIS 112* Spreadsheet Applications 1 CH ____
- CIS 113* Data Management Apps 1 CH ____
- CIS 121 Advanced Spreadsheet App. 1 CH ____
- CIS 129* Fundamentals of Information Systems 3 CH ____
- BADM 355 Business Law I 3 CH ____
- BADM 356 Business Law II 3 CH ____
- BADM 374 Principles of Management 3 CH ____
- BADM 384 Business Communication 3 CH ____
- OR
- ENG 260 Business & Technical Writing 3 CH ____

Graduate School Track

All of the following:
- MATH 181* Calculus I 4 CH ____
- BADM 344 Finance 3 CH ____
- BADM 444 Operations Management 3 CH ____
- BADM 454 Marketing 3 CH ____
- BADM 484 Human Resource Management 3 CH ____
- BADM 490 Strategic Management 3 CH ____

*To be completed by the end of sophomore year.
**Accounting Majors/Minors only.
+Must earn C- or better.
## CORE REQUIREMENTS

### Literacies

**Composition**  
- ENG 101: College Writing (C- or better)

### Presentation

- INDS 101: Presentational Literacy (C- or better)

### Quantitative/Scientific Reasoning

- MATH 125 or higher (C- or better)  
  (Exemption: Proficiency score at Pre-Calculus level)  
- Natural or Physical Science Lab  
- One additional Science or Quantitative Course

### Creative/Humanistic

- Fine or Performing Arts Course  
  (Art, music, or theater except THAR 101)  
- REL 120, 121, 122, or 123  
- Humanities Course  
  (English, history, languages, philosophy, or religion)  
- One additional Creative or Humanities Course

### Socio-Political

- Social Science Course  
  (Economics, geography, political science, psychology, sociology, or criminal justice)

### Foreign Language

- 150 and 151 or Intermediate Course (C- or better)  
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

### Seminar Series

- SEMS 110: Introduction to Seminar  
- SEMS 250: World Cultures  
- SEMS 400: Global Issues

### Concern for Physical Well-Being

- Theory Course

## MAJOR REQUIREMENTS

### Grade

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**Human Resources Management Track**

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*To be completed by the end of sophomore year.  
**Accounting Majors/Minors only.  
+Must earn C- or better.
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)  
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course  
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course  
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course  
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)  
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

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MAJOR REQUIREMENTS

**Grade**

- ACCT 113* Principles of Accounting I + 3 CH _____
- BADM 233* Managerial Accounting I + 3 CH _____
  OR
- ACCT 313** Cost Accounting 3 CH _____
- ECON 211* Principles of Macroeconomics 3 CH _____
- ECON 221* Principles of Microeconomics 3 CH _____
- MATH 211* Elementary Statistics 4 CH _____
- CIS 111* Word Processing Applications 1 CH _____
- CIS 112* Spreadsheet Applications 1 CH _____
- CIS 113* Data Management Apps 1 CH _____
  OR
- CIS 122* Advanced Spreadsheet App. 1 CH _____
- CIS 129* Fundamentals of Information Systems 3 CH _____
- BADM 355 Business Law I 3 CH _____
- BADM 356 Business Law II 3 CH _____
- BADM 374 Principles of Management 3 CH _____
- BADM 384 Business Communication 3 CH _____
  OR
- ENG 260 Business & Technical Writing 3 CH _____

Management Track

**Choose any two of the following:**
- BADM 344 Finance 3 CH _____
- BADM 444 Operations Management 3 CH _____
- BADM 454 Marketing 3 CH _____
- BADM 484 Human Resource Management 3 CH _____

**Choose any two of the following:**
- BADM 300 Intro to Entrepreneurship 3 CH _____
- BADM 334 Risk Management & Insurance 3 CH _____
- BADM 364 Business Ethics 3 CH _____
- BADM 376 International Business 3 CH _____
- BADM 455 Cooperative Education 3 CH _____
- BADM 474 Ruth A. Miller Senior Seminar 3 CH _____
- BADM 490 Strategic Management 3 CH _____
- CIS 241 Project Management 3 CH _____

*To be completed by the end of sophomore year.
**Accounting Majors/Minors only.
+Must earn C- or better.
Curriculum Guides
Bachelor of Arts in Business Administration
Marketing & Advertising Track

CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
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**Creative/Humanistic**
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- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

**Grade**

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**Marketing & Advertising Track**

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*To be completed by the end of sophomore year.
**Accounting Majors/Minors only.
+Must earn C- or better.

2020-09-21
CORE REQUIREMENTS

Literacies
Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

Grade

☐ ACCT 113* Principles of Accounting I + 3 CH _____
☐ BADM 233* Managerial Accounting I + 3 CH _____
OR
☐ ACCT 313**Cost Accounting 3 CH _____
☐ ECON 211* Principles of Macroeconomics 3 CH _____
☐ ECON 221* Principles of Microeconomics 3 CH _____
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☐ CIS 111* Word Processing Applications 1 CH _____
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OR
☐ CIS 122* Advanced Spreadsheet App. 1 CH _____
☐ CIS 129* Fundamentals of Information Systems 3 CH _____
☐ BADM 355 Business Law I 3 CH _____
☐ BADM 356 Business Law II 3 CH _____
☐ BADM 374 Principles of Management 3 CH _____
☐ BADM 384 Business Communication 3 CH _____
OR
☐ ENG 260 Business & Technical Writing 3 CH _____

Sports Management Track

☐ HPED 105 Intro to Sports Management 3 CH _____
☐ HPED 314 Coaching Organization & Administration 3 CH _____
☐ BADM 450 Facilities Management & Practicum 1 CH _____
☐ BADM 452 Sports Information Practicum 1 CH _____
☐ INDS 155 Principles of Ethical Leadership 3 CH _____

Choose one of the following:
☐ BADM 324 Advertising 3 CH _____
☐ BADM 454 Marketing 3 CH _____
☐ BADM 490 Strategic Management 3 CH _____

*To be completed by the end of sophomore year.
**Accounting Majors/Minors only.
+Must earn C- or better.
CORE REQUIREMENTS

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
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Socio-Political
- Social Science Course
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Foreign Language
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Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

Grade

☐ ACCT 113* Principles of Accounting I + 3 CH _____
☐ BADM 233* Managerial Accounting I + 3 CH _____
 OR
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☐ BADM 356 Business Law II 3 CH _____
☐ BADM 374 Principles of Management 3 CH _____
☐ BADM 384 Business Communication 3 CH _____
 OR
☐ ENG 260 Business & Technical Writing 3 CH _____

Supply Chain Management Track

☐ CIS 241 Project Management 3 CH _____
☐ BADM 380 Logistics 3 CH _____
☐ BADM 444 Operations Management 3 CH _____
☐ BADM 480 Supply Chain Management 3 CH _____
☐ BADM 490 Strategic Management 3 CH _____

*To be completed by the end of sophomore year.
**Accounting Majors/Minors only.
+Must earn C- or better.
## CORE REQUIREMENTS

### Literacies

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

### Quantitative/Scientific Reasoning

- MATH 125 or higher (C- or better)
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- One additional Creative or Humanities Course

### Socio-Political

- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

### Foreign Language

- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

### Seminar Series

- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

### Concern for Physical Well-Being

- Theory Course

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<td>Business Law I</td>
<td>3 CH</td>
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<tr>
<td>BADM 356</td>
<td>Business Law II</td>
<td>3 CH</td>
</tr>
<tr>
<td>REL 190</td>
<td>World Religions</td>
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<tr>
<td>COMM 331</td>
<td>Intercultural Communication</td>
<td>3 CH</td>
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Choose any three of the following:

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<tr>
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<th>Title</th>
<th>Credits</th>
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<tr>
<td>BADM 344</td>
<td>Finance</td>
<td>3 CH</td>
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<tr>
<td>BADM 374</td>
<td>Principles of Management</td>
<td>3 CH</td>
</tr>
<tr>
<td>BADM 444</td>
<td>Operations Management</td>
<td>3 CH</td>
</tr>
<tr>
<td>BADM 454</td>
<td>Marketing</td>
<td>3 CH</td>
</tr>
<tr>
<td>BADM 484</td>
<td>Human Resource Management</td>
<td>3 CH</td>
</tr>
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</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSC 327</td>
<td>Politics of Developing Societies</td>
<td>3 CH</td>
</tr>
<tr>
<td>POSC 347</td>
<td>Politics of Industrial Societies</td>
<td>3 CH</td>
</tr>
</tbody>
</table>

*To be completed by the end of sophomore year.
+Must earn C- or better.
# CORE REQUIREMENTS

## Literacies

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

## Quantitative/Scientific Reasoning

- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

## Creative/Humanistic

- Fine or Performing Arts Course
  *(Art, music, or theater except THAR 101)*
- REL 120, 121, 122, or 123
- Humanities Course
  *(English, history, languages, philosophy, or religion)*
- One additional Creative or Humanities Course

## Socio-Political

- Social Science Course
  *(Economics, geography, political science, psychology, sociology, or criminal justice)*

## Foreign Language

- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

## Seminar Series

- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

## Concern for Physical Well-Being

- Theory Course

---

# MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
<td>COMM 155</td>
<td>Intro to Integrated Marketing</td>
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<td>C</td>
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<tr>
<td>COMM 255</td>
<td>Interpersonal Communication</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 321</td>
<td>Organization Communication</td>
<td>3</td>
<td>C</td>
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<tr>
<td>COMM 280</td>
<td>Survey Media Communications</td>
<td>3</td>
<td>C</td>
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<tr>
<td>COMM 282</td>
<td>Writing for Media</td>
<td>3</td>
<td>C</td>
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<td>COMM 325</td>
<td>Communication Ethics</td>
<td>3</td>
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<td>COMM 340</td>
<td>Public Relations</td>
<td>3</td>
<td>C</td>
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<td>COMM 405</td>
<td>Advanced Public Relations</td>
<td>3</td>
<td>C</td>
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<tr>
<td>COMM 470</td>
<td>Senior Seminar</td>
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<td>C</td>
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<td>COMM 480</td>
<td>Communication Internship</td>
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<td>Word Processing Applications</td>
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<td>CIS 112</td>
<td>Spreadsheet Applications</td>
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<td>CIS 122</td>
<td>Advanced Spreadsheet Apps</td>
<td>1</td>
<td>C</td>
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<td>ACCT 113</td>
<td>Principles of Accounting</td>
<td>3</td>
<td>C</td>
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<tr>
<td>BADM 233</td>
<td>Managerial Accounting</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>BADM 324</td>
<td>Advertising</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>BADM 355</td>
<td>Business Law I</td>
<td>3</td>
<td>C</td>
</tr>
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<td>BADM 374</td>
<td>Principles of Management</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>BADM 384</td>
<td>Business Communication</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>BADM 454</td>
<td>Marketing</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>ECON 221</td>
<td>Principles of Microeconomics</td>
<td>3</td>
<td>C</td>
</tr>
</tbody>
</table>

Recommended:

- IS 140 Graphic Arts 3 CH
- COMM 181 Public Speaking 3 CH
- COMM 300 Persuasion 3 CH
- COMM 331 Intercultural Communication 3 CH
- COMM 455 Media Law & Regulation 3 CH

In all courses for this major, the student must maintain the 2.0 GPA in major courses. This applies to all majors in our department. It is recommended that students majoring in Public Relations, Advertising, & Integrated Marketing obtain required internships at a PR agency, advertising agency, news media company, social media, or a corporation's marketing department. On-campus internships are not sufficient, let alone ideal.
CORE REQUIREMENTS

Literacies
Composition
- ENG 101: College Writing (C- or better)
Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

Grade

☐ COMM 155 Intro to Integrated Marketing  3 CH 
☐ COMM 225 Interpersonal Communication  3 CH 
OR
☐ COMM 321 Organization Communication  3 CH 
☐ COMM 280 Survey Media Communications  3 CH 
☐ COMM 282 Writing for Media  3 CH 
☐ COMM 325 Communication Ethics  3 CH 
☐ COMM 340 Public Relations  3 CH 
☐ COMM 405 Advanced Public Relations  3 CH 
☐ COMM 470 Senior Seminar  3 CH 
☐ COMM 480 Communication Internship  3 CH 
☐ CIS 111 Word Processing Applications  1 CH 
☐ CIS 112 Spreadsheet Applications  1 CH 
☐ CIS 122 Advanced Spreadsheet Apps  1 CH 
☐ CSCI 139 Web Design & Development  3 CH 
☐ BADM 100 Intro to Business  3 CH 
☐ BADM 324 Advertising  3 CH 
☐ BADM 374 Principles of Management  3 CH 
☐ BADM 384 Business Communication  3 CH 
☐ BADM 454 Marketing  3 CH 
☐ ECON 221 Principles of Microeconomics  3 CH 

Recommended:

☐ IS 140 Graphic Arts  3 CH 
☐ COMM 181 Public Speaking  3 CH 
☐ COMM 300 Persuasion  3 CH 
☐ COMM 331 Intercultural Communication  3 CH 
☐ COMM 455 Media Law & Regulation  3 CH 

In all courses for this major, the student must maintain the 2.0 GPA in major courses. This applies to all majors in our department. It is recommended that students majoring in Public Relations, Advertising, & Integrated Marketing obtain required internships at a PR agency, advertising agency, news media company, social media, or a corporation’s marketing department. On-campus internships are not sufficient, let alone ideal.

2020-09-21
CORE REQUIREMENTS

Literacies
Composition
☐ ENG 101: College Writing (C- or better)

Presentation
☐ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
☐ MATH 125 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
☐ Natural or Physical Science Lab
☐ One additional Science or Quantitative Course

Creative/Humanistic
☐ Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
☐ REL 120, 121, 122, or 123
☐ Humanities Course
(English, history, languages, philosophy, or religion)
☐ One additional Creative or Humanities Course

Socio-Political
☐ Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
☐ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
☐ SEMS 110: Introduction to Seminar
☐ SEMS 250: World Cultures
☐ SEMS 400: Global Issues

Concern for Physical Well-Being
☐ Theory Course

MAJOR REQUIREMENTS

☐ ACCT 113* Principles of Accounting I + 3 CH _____
☐ BADM 233* Managerial Accounting I + 3 CH _____
☐ ECON 211* Principles of Macroeconomics 3 CH _____
☐ ECON 221* Principles of Microeconomics 3 CH _____
☐ MATH 211* Elementary Statistics 4 CH _____
☐ CIS 111* Word Processing Applications 1 CH _____
☐ CIS 112* Spreadsheet Applications 1 CH _____
☐ CIS 113* Data Management Apps 1 CH _____
☐ CIS 122* Advanced Spreadsheet App. 1 CH _____
☐ CIS 129* Fundamentals of Information Systems 3 CH _____
☐ BADM 355 Business Law I 3 CH _____
☐ BADM 356 Business Law II 3 CH _____
☐ BADM 374 Principles of Management 3 CH _____
☐ BADM 384 Business Communication 3 CH _____
OR
☐ ENG 260 Business & Technical Writing 3 CH _____
☐ BADM 444 Operations Management 3 CH _____
OR
☐ BADM 484 Human Resource Management 3 CH _____

The Culinary Program with the Pittsburgh Technical College (PTC) requires that students complete the equivalent of one year’s academic study at PTC, usually in the junior year.

*To be completed by the end of sophomore year.
+Must earn C- or better.
CORE REQUIREMENTS

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- IND 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better) (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic

Fine or Performing Arts Course (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political

Social Science Course (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language

150 and 151 or Intermediate Course (C- or better) (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series

SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being

Theory Course

MAJOR REQUIREMENTS

Grade

- ACCT 113* Principles of Accounting I + 3 CH _____
- ECON 211* Principles of Macroeconomics 3 CH _____
- ECON 221* Principles of Microeconomics 3 CH _____
- MATH 211* Elementary Statistics 4 CH _____
- BADM 355 Business Law I 3 CH _____
- BADM 233* Managerial Accounting I + 3 CH _____
- BADM 374 Principles of Management 3 CH _____
- BADM 384 Business Communication 3 CH _____

OR
- ENG 260 Business & Technical Writing 3 CH _____

Choose any two of the following:
- ACCT 253 Payroll Accounting 3 CH _____
- ACCT 323 Personal Taxation 3 CH _____
- BADM 300 Intro to Entrepreneurship 3 CH _____
- BADM 304 Principles of Investments 3 CH _____
- BADM 324 Advertising 3 CH _____
- BADM 334 Risk Management - Insurance 3 CH _____
- BADM 344 Finance 3 CH _____
- BADM 364 Business Ethics 3 CH _____
- BADM 376 International Business 3 CH _____
- BADM 444 Operations Management 3 CH _____
- BADM 454 Marketing 3 CH _____
- BADM 455 Cooperative Education 3 CH _____
- BADM 456 International Marketing 3 CH _____
- BADM 484 Human Resource Management 3 CH _____
- BADM 490 Strategic Management 3 CH _____

Remaining coursework completed at Pittsburgh Institute for Mortuary Science (PIMS).
CORE REQUIREMENTS

Literacies
Composition
q ENG 101: College Writing (C- or better)

Presentation
q IND 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
q MATH 142 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
q Natural or Physical Science Lab
q One additional Science or Quantitative Course

Creative/Humanistic
q Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
q REL 120, 121, 122, or 123
q Humanities Course
(English, history, languages, philosophy, or religion)
q One additional Creative or Humanities Course

Socio-Political
q Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
q 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
q SEMS 110: Introduction to Seminar
q SEMS 250: World Cultures
q SEMS 400: Global Issues

Concern for Physical Well-Being
q Theory Course

MAJOR REQUIREMENTS

Grade

☐ CHEM 140 General Chemistry I 4 CH ______
☐ CHEM 160 General Chemistry II 4 CH ______
☐ CHEM 200 Organic Chemistry I 4 CH ______
☐ CHEM 210 Organic Chemistry II 4 CH ______
☐ CHEM 240 Quantitative Analysis 4 CH ______
☐ CHEM 315 Fundamentals of Physical Chem 4 CH ______
☐ CHEM 345 Biochemistry I 4 CH ______
☐ CHEM 370 Instrumental Analysis 4 CH ______
☐ CHEM 405 Junior Seminar 2 CH ______
☐ CHEM 406 Capstone 2 CH ______
☐ CHEM 495 Independent Study 1-4 CH ______
☐ MATH 181 Calculus I 4 CH ______
☐ MATH 182 Calculus II 4 CH ______
☐ PHYS 174 Intro to Physics I 4 CH ______
☐ PHYS 184 Intro to Physics II 4 CH ______

Select one:
☐ CHEM 325 App of Physical Chemistry 4 CH ______
☐ CHEM 390 Inorganic Chemistry 4 CH ______

Choose one of the following:
☐ CHEM 410 Adv Topics – Inorganic Chem 3 CH ______
☐ CHEM 415 Bio Inorganic Chemistry 3 CH ______
☐ CHEM 420 Adv Topics – Physical Chem 3 CH ______
☐ CHEM 430 Adv Topics – Environmental 3 CH ______
☐ CHEM 440 Adv Topics – Biochemistry 3 CH ______
☐ CHEM 450 Adv Topics – Organic Chem 3 CH ______
☐ CHEM 465 Adv Topics – Analytical Chem 3 CH ______
MAJOR REQUIREMENTS

Section A (all required):

- CHEM 140 General Chemistry I
- CHEM 160 General Chemistry II
- CHEM 200 Organic Chemistry I
- CHEM 210 Organic Chemistry II
- CHEM 240 Quantitative Analysis
- CHEM 345 Biochemistry I
- CHEM 348 Biochemistry II
- CHEM 315 Fundamentals of Physical Chem
- CHEM 405 Junior Seminar
- CHEM 406 Capstone
- CHEM 495 Independent Study

Section B (choose one of the following):

- CHEM 415 Bio Inorganic Chemistry
- CHEM 440 Adv Topics – Biochemistry

Section C (all required):

- MATH 181 Calculus I
- MATH 182 Calculus II
- PHYS 174* Intro to Physics I
- PHYS 184* Intro to Physics II
- BIO 145 Foundations of Biology

Section D (choose two of the following):

- BIO 293 Cell Biology
- BIO 294 Human Physics
- BIO 322 Genetics
- BIO 343 Developmental Biology
- BIO 284 Human Anatomy

OR
- BIO 282 Comp. Chord. Anatomy

*Calculus based
### CORE REQUIREMENTS

**Literacies**
- **Composition**
  - ENG 101: College Writing (C- or better)
- **Presentation**
  - INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 142 or higher (C- or better)
  - Exemption: Proficiency score at Pre-Calculus level
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  - Art, music, or theater except THAR 101
- REL 120, 121, 122, or 123
- Humanities Course
  - English, history, languages, philosophy, or religion
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  - Economics, geography, political science, psychology, sociology, or criminal justice

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  - Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

### MAJOR REQUIREMENTS

#### Section A
All of the following:

- CHEM 140 General Chemistry I 4 CH __ __
- CHEM 160 General Chemistry II 4 CH __ __
- CHEM 200 Organic Chemistry I 4 CH __ __
- CHEM 210 Organic Chemistry II 4 CH __ __
- CHEM 240 Quantitative Analysis 4 CH __ __
- CHEM 330 Environmental Chemistry 1 CH __ __
- CHEM 370 Instrumental Analysis 3 CH __ __
- CHEM 405 Junior Seminar 2 CH __ __
- CHEM 406 Capstone 2 CH __ __
- CHEM 495 Independent Study 1-4 CH __ __

#### Section B
Any two of the following:

- ENSC 250 Meteorology & Air Quality 4 CH __ __
- GEOL 150 Earth Systems 4 CH __ __
- GEOL 210 Principles of Hydrogeology 3 CH __ __
- ENSC 111 Intro to Environmental Studies 3 CH __ __
  or
- BIO 116 Conservation Biology 3 CH __ __

#### Section C
All of the following:

- MATH 181 Calculus I 4 CH __ __
- MATH 182 Calculus II 4 CH __ __
- PHYS 174* Intro to Physics I 4 CH __ __
- PHYS 184* Intro to Physics II 4 CH __ __

*Calculus based.
CORE REQUIREMENTS

Literacies
Composition
☐ ENG 101: College Writing (C- or better)

Presentation
☐ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
☐ MATH 125 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
☐ Natural or Physical Science Lab
☐ One additional Science or Quantitative Course

Creative/Humanistic
☐ Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
☐ REL 120, 121, 122, or 123
☐ Humanities Course
(English, history, languages, philosophy, or religion)
☐ One additional Creative or Humanities Course

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☐ Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
☐ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
☐ SEMS 110: Introduction to Seminar
☐ SEMS 250: World Cultures
☐ SEMS 400: Global Issues

Concern for Physical Well-Being
☐ Theory Course

MAJOR REQUIREMENTS

Section A (all required):
☐ CHEM 140 General Chemistry I 4 CH _____
☐ CHEM 160 General Chemistry II 4 CH _____
☐ CHEM ___ Intro to Organic Chemistry 4 CH _____
☐ CHEM 200 Organic Chemistry I 4 CH _____
☐ CHEM 210 Organic Chemistry II 4 CH _____
☐ CHEM 240 Quantitative Analysis 4 CH _____
☐ CHEM 315 Fundamentals of Physical Chem 4 CH _____
☐ CHEM 4___ Chemistry Capstone I 4 CH _____
☐ CHEM 4___ Chemistry Capstone II 4 CH _____

Section B (choose one of the following):
☐ CHEM 490 Problems in Chemistry 1-4 CH _____
☐ CHEM 495 Independent Study 1-4 CH _____

Section C (choose one of the following):
☐ CHEM 325 App of Physical Chemistry 4 CH _____
☐ CHEM 370 Instrumental Analysis 4 CH _____
☐ CHEM 390 Inorganic Chemistry 4 CH _____

Section D (all required):
☐ MATH 181 Calculus I 4 CH _____
☐ MATH 182 Calculus II 4 CH _____
☐ PHYS 174 Intro to Physics I 4 CH _____
☐ PHYS 184 Intro to Physics II 4 CH _____
SECONDARY EDUCATION REQUIREMENTS in Chemistry

Freshman Fall
- EDUC 111 Foundations of American Education 3 CH  __________
- SPED 356 Special Education 3 CH  __________

Freshman Spring
- EDUC 112 Psychology Foundations of Education 3 CH  __________

Sophomore Fall
- EDUC 215 Curriculum, Instruction, & Assessment 3 CH  __________
- EDUC 255 Mentoring 3 CH  __________

Note: EDUC 215 is a prerequisite for all other Phase II methodology courses

Junior Fall
- SECED 325 Teaching Reading & Writing in Content Areas 3 CH  __________
- SPED 357 Effective Instructional Practice & Delivery Methods in Subject Area - All Special Ed. 3 CH  __________

Junior Spring
- SECED 340-370 Teaching in Secondary Schools 3 CH  __________

Senior Fall
- EDUC 220 Integrated Instructional Systems 3 CH  __________
- SECED 268 Mentoring II 3 CH  __________
- SPED 358 Intensive Reading, Writing, & Math Intervention 3 CH  __________

Senior Spring
- SECED 444 Student Teaching 3 CH  __________
- EDUC 400 ELL 3 CH  __________

ADDITIONAL COURSE REQUIREMENTS
- MATH 107 College Algebra 3 CH  __________
  *Mathematics majors are exempt
- MATH 125 Quantitative Reasoning 2 CH  __________
  *Mathematics majors are exempt
- AH 105 Taking Care of Your Well-Being 2 CH  __________
  *AH 105 meets the Core Well-Being Theory Course requirement
- CIS 111 Word Processing Applications 2 CH  __________
CORE REQUIREMENTS

Literacies

Composition
❑ ENG 101: College Writing (C- or better)

Presentation
❑ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
❑ MATH 142 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
❑ Natural or Physical Science Lab
❑ One additional Science or Quantitative Course

Creative/Humanistic
❑ Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
❑ REL 120, 121, 122, or 123
❑ Humanities Course
(English, history, languages, philosophy, or religion)
❑ One additional Creative or Humanities Course

Socio-Political
❑ Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
❑ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
❑ SEMS 110: Introduction to Seminar
❑ SEMS 250: World Cultures
❑ SEMS 400: Global Issues

Concern for Physical Well-Being
❑ Theory Course

MAJOR REQUIREMENTS

Grade

39 CH of CSD Courses:
❑ CSD 111 Intro to Comm Sci & Disorders 3 CH
❑ CSD 191 Clinical Phonetics 3 CH
❑ CSD 213 Nature Develop of Language 3 CH
❑ CSD 215 Anat. & Phys. Vocal Mech. 3 CH
❑ CSD 218 Sign Language I 3 CH
❑ CSD 220 Intro to Aud & Auditory Disorders 3 CH
❑ CSD 314 Speech & Hearing Science 3 CH
❑ CSD 350 Comm Disorders – Child 3 CH
❑ CSD 370 Comm Disorders – Adults 3 CH
❑ CSD 395 Aural Rehabilitation 3 CH
❑ CSD 415 Clinical Obs & Methodology 3 CH
❑ CSD 420 Clinical Practicum 3 CH
❑ CSD 450 Current Topics in CSD 3 CH

45 CH of Interdisciplinary Requirements:
❑ NSCI 101 The College Brain 4 CH
❑ BIO 284 Human Anatomy 3 CH
❑ BIO 294 Human Physiology 3 CH
❑ CHEM 100 Chemtech 3 CH
❑ OR
❑ PHYS 154 Introductory Physics 4 CH
❑ ENG 317 Linguistics 3 CH
❑ MATH 211 Elementary Statistics 3 CH
❑ MATH 125 Quantitative Reasoning 3 CH
❑ NSCI 202 Intro to Neuroscience 3 CH
❑ NSCI 350 Neuro Disorders 3 CH
❑ OR
❑ NSCI 315 Topics in Neuroscience 3 CH
❑ PSY 150 General Psychology 3 CH
❑ PSY 235 Research Methods 3 CH
❑ PSY 255 Lifespan Development 3 CH
❑ BIO 117 Medical Terminology 3 CH
❑ EDUC 400 Educating Eng Language Learners 3 CH

A CSD major must have a CUM 3.0 GPA by end of sophomore year in order to remain in the program.

CSD majors may elect to take CSD 318 Sign Language II as a continuation of CSD 218 Sign Language I.

Seniors may elect to take CSD 460 Integrational Internship in CSD as a continuation of the clinical experience.

2020-09-21

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# Bachelor of Arts in Early Childhood & Special Education

## CORE REQUIREMENTS

**Literacies**
- Composition *(C- or better)*
  - ENG 101: College Writing 3 CH

- Presentation *(C- or better)*
  - INDS 101: Presentational Literacy 3 CH

**Quantitative/Scientific Reasoning**
- MATH 125 *(C- or better)* 3 CH
- MATH 107 3 CH
- Natural or Physical Science Lab 4 CH

**Creative/Humanistic**
- Fine or Performing Arts Course *(Art, music, or theater)* 3 CH
- REL 120 3 CH
- Humanities Course *(English, history, languages, philosophy or religion)* 3 CH

**Socio-Political**
- Social Science Course -ECE 112 3 CH

**Foreign Language *(C- or better)***
- 150 and 151 or Intermediate Course 3-6 CH
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the Intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar 3 CH
- SEMS 250: World Cultures 3 CH
- SEMS 400: Global Issues 3 CH

**Concern for Physical Well-Being**
- Theory Course -AH 105 2 CH

**Additional One Credit** 1 CH

## MAJOR REQUIREMENTS

### Grade

### 1st Year Fall Semester
- ECE 110 Child Development, Typical & Atypical Birth – Age 5 3 CH
- ECE 111 Foundations of Education 3 CH
- SPED 356 Special Education 3 CH
- SEMS 110 Introduction to Seminar 3 CH
- ENG 101 College Writing 3 CH

### 1st Year Spring Semester
- ECE 112 The Developing Child: Primary Years, K-4th grade (meets 3 CH of Socio-Political course of core) 3 CH
- MATH 107 College Algebra (meets Science or Quantitative course of core) 3 CH
- INDS 101 Introduction to Presentation Literacy (meets 3 CH of PDE English) 3 CH
- CIS 111 Word Processing Applications 1 CH
- CIS 112 Spreadsheet Applications 1 CH
- CIS 113 Data Management Applications 1 CH
- Creative/Humanities Course 3 CH

### Sophomore Fall Semester
- ECE 213 Language Development for Early Childhood 3 CH
- ECE 215 The Learning Process: Integrating Curriculum, Instruction & Assessment 3 CH
- ECE 355 Evidence-based Practices in Early Childhood Care and Education*** 3 CH
- HIST 101 U.S. History to 1877 3 CH
- Fine or Performing Arts Course 3 CH
- One Credit Course 1 CH

### Sophomore Spring Semester
- MATH 125 Quantitative Reasoning 3 CH
- SEMS 250 World Cultures 3 CH
- REL 120 Scripture 3 CH
- Lab Science 4 CH
- SPED 450 Evidence based Effective Instruction; High & Low 3 CH
- AH 105 Taking Care of Your Health 2 CH

### Junior Fall Semester
- ECE 214 Early Lit Foundations for Preschool Years 3 CH
- ECE 216 Math Foundations for Preschool Years 3 CH
- ECE 335 Science Methods 3 CH
- SPED 357 Evidence Instructional Practice & Delivery Methods in Subj. Area Content*** 3 CH
- ECE 336 Social Studies Methods 3 CH

### *** Mentoring Course
**Junior Spring Semester**
- ECE 304  Early Lit Foundations for Primary Grades  3 CH  
- ECE 334  Math Foundations for Primary Grades  3 CH  
- ECE 367  Advocacy Coll. And Cooperative Learning Issues & Trends***  3 CH  
- ECE 369  Integrating the Arts for the Developing Child Pre K-4 Methods (meets Fine or Performing Arts course of core)  3 CH  
- SPED 360  Educational Assessment  3 CH  
- EDUC 400  Educating English Language Learners  3 CH  

**Senior Fall Semester**
- ECE 420  Using Instructional Technology & Universal Design to Support Lit, Math & Science  3 CH  
- SPED 358  Intensive Reading, Writing & Math Intervention Approaches  3 CH  
- SPED 420  Effective Coll and Communicating in the Academic Setting***  3 CH  
- SPED 440  Evidence-based Effective Instruction  3 CH  
- SEMS 400  Global Issues  3 CH  

**Senior Spring Semester**
- ECE/SPED424  Student Teaching  12 CH  

***Mentoring Course

YOU MUST HAVE 124 CREDITS IN ORDER TO GRADUATE!

Must maintain an overall 3.0 GPA and earn a C or better in all education courses

Foreign Language requirement is waived if two or more years of the same foreign language, with a C or better final grade earned in two years of instruction, is completed in high school.
CORE REQUIREMENTS

Litertacies
Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

Experiential Learning Requirement (see Advisor or Chair for details)

To determine fulfillment of graduation requirements, consult the department to certify major requirements and the registrar to certify the core requirements.

MAJOR REQUIREMENTS

Foundation Courses (21 CH)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 120</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 215</td>
<td>British Literature Survey</td>
<td>3</td>
</tr>
<tr>
<td>ENG 235</td>
<td>American Literature Survey</td>
<td>3</td>
</tr>
<tr>
<td>ENG 267</td>
<td>World Literature Survey</td>
<td>3</td>
</tr>
<tr>
<td>ENG 270</td>
<td>Advanced Composition &amp; Research</td>
<td>3</td>
</tr>
<tr>
<td>ENG 317</td>
<td>Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 485</td>
<td>English Capstone</td>
<td>3</td>
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</table>

Distribution and Specialization Courses (18 CH)
Choose one course from each specialization to fulfill the distribution requirement. Select one or more specializations by completing an additional 6 CH from your chosen subfield.

Professional Writing

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 212</td>
<td>Creative Nonfiction</td>
<td>3</td>
</tr>
<tr>
<td>ENG 242</td>
<td>Digital Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>ENG 260</td>
<td>Business and Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 282</td>
<td>Writing for Mass Media</td>
<td>3</td>
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<tr>
<td>ENG 335</td>
<td>Persuasive Writing</td>
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Creative Writing

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 212</td>
<td>Creative Nonfiction</td>
<td>3</td>
</tr>
<tr>
<td>ENG 282</td>
<td>Poetry Writing</td>
<td>3</td>
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<tr>
<td>ENG 284</td>
<td>Fiction Writing</td>
<td>3</td>
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<tr>
<td>ENG 284</td>
<td>Writing for Stage and Screen</td>
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Literature

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 190</td>
<td>Science Fiction and Fantasy</td>
<td>3</td>
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<tr>
<td>ENG 305</td>
<td>Course of Student Choice</td>
<td>3</td>
</tr>
<tr>
<td>ENG 315</td>
<td>Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 340</td>
<td>Shakespeare</td>
<td>3</td>
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<tr>
<td>ENG 312</td>
<td>Topics in the Novel</td>
<td>3</td>
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<tr>
<td>ENG 347</td>
<td>Literary Theory and Criticism</td>
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Drama

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>ENG 204</td>
<td>Analysis to Performance</td>
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<td>ENG 225</td>
<td>Shakespeare: Page to Stage</td>
<td>3</td>
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<tr>
<td>THAR 287</td>
<td>Theatre History I</td>
<td>3</td>
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<tr>
<td>THAR 297</td>
<td>Theatre History II</td>
<td>3</td>
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<tr>
<td>ENG 330</td>
<td>Dramatic Literature</td>
<td>3</td>
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<tr>
<td>ENG 337</td>
<td>Drama into Film</td>
<td>3</td>
</tr>
<tr>
<td>ENG 340</td>
<td>Shakespeare</td>
<td>3</td>
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<tr>
<td>ENG 352</td>
<td>Topics in Drama</td>
<td>3</td>
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</tbody>
</table>

Must earn C- or better
CORE REQUIREMENTS

Literacies
Composition
- ENG 101: College Writing (C- or better)

Presentation
- IND 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

Experiential Learning Requirement (see Advisor or Chair for details)

To determine fulfillment of graduation requirements, consult the department to certify major requirements and the registrar to certify the core requirements.

ENGLISH MAJOR REQUIREMENTS

Foundation Courses (21 CH)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 120</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 215</td>
<td>British Literature Survey</td>
<td>3</td>
</tr>
<tr>
<td>ENG 235</td>
<td>American Literature Survey</td>
<td>3</td>
</tr>
<tr>
<td>ENG 267</td>
<td>World Literature Survey</td>
<td>3</td>
</tr>
<tr>
<td>ENG 270</td>
<td>Advanced Composition &amp; Research</td>
<td>3</td>
</tr>
<tr>
<td>ENG 317</td>
<td>Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 485</td>
<td>English Capstone</td>
<td>3</td>
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</table>

English Secondary Education Certification Courses (15 CH)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENG 242</td>
<td>Digital Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>ENG 260</td>
<td>Business and Technical Writing</td>
<td>3</td>
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<tr>
<td>ENG ___</td>
<td>Course of Student Choice</td>
<td>3</td>
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<tr>
<td>ENG 315</td>
<td>Adolescent and YA Literature</td>
<td>3</td>
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<tr>
<td>ENG 340</td>
<td>Shakespeare</td>
<td>3</td>
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EDUCATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDUC 111</td>
<td>Foundations of Education</td>
<td>3</td>
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<tr>
<td>SPED 356</td>
<td>Special Education</td>
<td>3</td>
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<tr>
<td>EDUC 112</td>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>EDUC 215</td>
<td>Curriculum, Instruction &amp; Assessment</td>
<td>3</td>
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<tr>
<td>EDUC 255</td>
<td>Mentoring I</td>
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<tr>
<td>ENG 270</td>
<td>Advanced Composition &amp; Research</td>
<td>3</td>
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<tr>
<td>SECED 325</td>
<td>Teaching Reading/Writing</td>
<td>3</td>
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<tr>
<td>SPED 357</td>
<td>Effective Institutional Practices &amp; Delivery</td>
<td>3</td>
</tr>
<tr>
<td>SECED 340</td>
<td>Teaching English in Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 400</td>
<td>ELL, Instruction &amp; Assessment</td>
<td>3</td>
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Must earn C- or better
SECONDERY EDUCATION REQUIREMENTS in English

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<thead>
<tr>
<th>Freshman Fall</th>
<th>Grade</th>
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<tbody>
<tr>
<td>EDUC 111 Foundations of American Education</td>
<td>3 CH</td>
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<tr>
<td>SPED 356 Special Education</td>
<td>3 CH</td>
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<table>
<thead>
<tr>
<th>Freshman Spring</th>
<th>Grade</th>
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</thead>
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<tr>
<td>EDUC 112 Psychology Foundations of Education</td>
<td>3 CH</td>
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<table>
<thead>
<tr>
<th>Sophomore Fall</th>
<th>Grade</th>
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<tbody>
<tr>
<td>EDUC 215 Curriculum, Instruction, &amp; Assessment</td>
<td>3 CH</td>
</tr>
<tr>
<td>EDUC 255 Mentoring</td>
<td>3 CH</td>
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</table>

*Note: EDUC 215 is a prerequisite for all other Phase II methodology courses*

<table>
<thead>
<tr>
<th>Junior Fall</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>SECED 325 Teaching Reading &amp; Writing in Content Areas</td>
<td>3 CH</td>
</tr>
<tr>
<td>SPED 357 Effective Instructional Practice &amp; Delivery Methods in Subject Area - All Special Ed.</td>
<td>3 CH</td>
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</table>

<table>
<thead>
<tr>
<th>Junior Spring</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>SECED 340-370 Teaching in Secondary Schools</td>
<td>3 CH</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Senior Fall</th>
<th>Grade</th>
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<tbody>
<tr>
<td>EDUC 220 Integrated Instructional Systems</td>
<td>3 CH</td>
</tr>
<tr>
<td>SECED 268 Mentoring II</td>
<td>3 CH</td>
</tr>
<tr>
<td>SPED 358 Intensive Reading, Writing, &amp; Math Intervention</td>
<td>3 CH</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Spring</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECED 444 Student Teaching</td>
<td>3 CH</td>
</tr>
<tr>
<td>EDUC 400 ELL</td>
<td>3 CH</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>ADDITIONAL COURSE REQUIREMENTS</th>
<th>Grade</th>
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<tbody>
<tr>
<td>MATH 107 College Algebra</td>
<td>3 CH</td>
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</tbody>
</table>
*Mathematics majors are exempt*

| MATH 125 Quantitative Reasoning   | 2 CH   |
*Mathematics majors are exempt*

| AH 105 Taking Care of Your Well-Being | 2 CH   |
*AH 105 meets the Core Well-Being Theory Course requirement*

| CIS 111 Word Processing Applications | 2 CH   |
CORE REQUIREMENTS

Literacies
Composition
- ENG 101: College Writing (C- or better)
Presentation
- INDS 101: Presentational Literacy (C- or better)
Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

To determine fulfillment of graduation requirements, consult the department to certify major requirements and the registrar to certify the core requirements.

MINOR REQUIREMENTS

| Grade | ENG 120 Introduction to Literature | 3 CH |
| Grade | ENG 270 Advanced Composition & Research | 3 CH |

Literature Survey Course:
- ENG 215 British Literature Survey
- ENG 235 American Literature Survey
- ENG 267 World Literature Survey

Professional Writing
- ENG 212 Creative Nonfiction
- ENG 242 Digital Rhetoric
- ENG 260 Business and Technical Writing
- COMM 282 Writing for Mass Media
- ENG 335 Persuasive Writing

Creative Writing
- ENG 212 Creative Nonfiction
- ENG 282 Poetry Writing
- ENG 284 Fiction Writing
- ENG 286 Writing for Stage and Screen

Literature
- ENG 190 Science Fiction and Fantasy
- ENG ___ Course of Student Choice
- ENG 305 Children’s Literature
- ENG 315 Adolescent and YA Literature
- ENG 340 Shakespeare
- ENG 312 Topics in the Novel
- ENG 347 Literary Theory and Criticism
  (Required for Literature Specialization)
- ENG 385 Women in Literature

Drama
- ENG 204 Analysis to Performance
- ENG 225 Shakespeare: Page to Stage
- THAR 287 Theatre History I
- THAR 297 Theatre History II
- ENG 330 Dramatic Literature
- ENG 337 Drama into Film
- ENG 340 Shakespeare
- ENG 352 Topics in Drama

Must earn C- or better
Major: Any Thiel College major

Total credit hours: 9

Internship/Practicum Opportunities: in area law firms, libraries, newspaper offices...

The English Department offers certificates in each of the specializations that are available to non-majors. Certificates may be taken to complement the student’s chosen major, to demonstrate proficiency in a chosen area, and to permit the study of desired cluster of courses. English certificates are offered in:

- Professional Writing
- Creative Writing
- Literature Studies
- Drama Studies
- Children’s and Young Adult Literature

Having an English Certificate enables the Thiel College student to approach his or her major from multidisciplinary perspectives and to arrive at creative solutions to complex issues in the professions through analysis, critical thinking, and imagination.

A degree from Thiel and a certificate in English provides the adaptability, versatility, and scholarship that is required in today’s competitive marketplace. All careers are enhanced by courses in English and are given further consideration when accompanied by the English Certificate.

Students take 9 credit hours in one of the above-mentioned fields. In keeping with the English major, students must earn a grade of C- or better in all courses that count toward the English Certificate. Visit our Academic Catalog for course listings.

Major Features

A perfect complement to any major, the English Certificate offers such courses as: Introduction to Literature; Digital Rhetoric; Poetry, Fiction, and Creative Nonfiction; Literature of World Mythology; Dramatic Literature; and Shakespeare: Page to Stage. As a literature student, you’ll:

- Work with students from other departments to learn the value of interdisciplinary engagement and collaboration;
- Research classical and contemporary literary and rhetorical modes and provide alternative interpretations;
- Utilize skills and processes that will strengthen and promote critical thinking, discussion, research, class presentations, editing skills, and assessment;
- Present in both oral and written forms some critical research and interpretative responses so that multiple viewpoints and scholarly perspectives are explored and valued.

View some examples of student-published work:

- The Phoenix: https://www.thiel.edu/academics/departments/english/clubs-activities
- https://thielrhetoric.wordpress.com/
CORE REQUIREMENTS

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 142 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years
  of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENSC 111</td>
<td>Intro to Environmental Studies</td>
<td>3 CH</td>
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<tr>
<td></td>
<td>POSC 116</td>
<td>American Government</td>
<td>3 CH</td>
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<td>or</td>
<td>POSC 336</td>
<td>Public Administration</td>
<td>3 CH</td>
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<tr>
<td></td>
<td>ECON 221</td>
<td>Microeconomics</td>
<td>3 CH</td>
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<td>or</td>
<td>ECON 211</td>
<td>Macroeconomics</td>
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<td>PHIL 297</td>
<td>Environmental Ethics</td>
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<td>or</td>
<td>REL 200</td>
<td>Contemporary Ethical Issues</td>
<td>3 CH</td>
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<td></td>
<td>MATH 211</td>
<td>Elementary Statistics</td>
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<td></td>
<td>BIO 145</td>
<td>Foundations of Biology</td>
<td>4 CH</td>
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<td>or</td>
<td>BIO 262</td>
<td>Animal Systematics</td>
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<td>BIO 263</td>
<td>Plant Systematics</td>
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<td>General Ecology</td>
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<td>General Chemistry I</td>
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<td>CHEM 160</td>
<td>General Chemistry II</td>
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<td>Environmental Chemistry</td>
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<td>Instrumental Analysis</td>
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<td>Earth Systems</td>
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<td>Principles of Hydrogeology</td>
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<td>GEOL 250</td>
<td>Environmental Geology</td>
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<td>ENSC 200</td>
<td>Environmental Law</td>
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<td>ENSC 225</td>
<td>Geographic Info Systems</td>
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<td>ENSC 250</td>
<td>Meteorology &amp; Air Quality Assess.</td>
<td>4 CH</td>
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<td>ENSC 320</td>
<td>Land Use Planning</td>
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<td>ENSC 350</td>
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<tr>
<td></td>
<td>ENSC 410</td>
<td>Internship</td>
<td>3 CH</td>
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</table>

C average is required for the major to graduate.
CORE REQUIREMENTS

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 142 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic

- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
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  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political

- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language

- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series

- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being

- Theory Course

MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ACCT</td>
<td>113</td>
<td>Accounting I</td>
<td>3</td>
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<td>BADM</td>
<td>334</td>
<td>Insurance</td>
<td>3</td>
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<tr>
<td>BADM</td>
<td>374</td>
<td>Principles of Management</td>
<td>3</td>
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<tr>
<td>BADM</td>
<td>444</td>
<td>Operations Management</td>
<td>3</td>
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<tr>
<td>Or</td>
<td>BADM</td>
<td>484</td>
<td>Human Resource Management</td>
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<tr>
<td>ENSC</td>
<td>111</td>
<td>Intro to Environmental Studies</td>
<td>3</td>
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<td>ENSC</td>
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<td>Hazard Awareness</td>
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<tr>
<td>ESM</td>
<td>111</td>
<td>Intro to Safety</td>
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<tr>
<td>ESM</td>
<td>210</td>
<td>Advanced Hazard Recognition</td>
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<td>ESM</td>
<td>221</td>
<td>Emergency Preparedness, Prevention, &amp; Response</td>
<td>3</td>
</tr>
<tr>
<td>ESM</td>
<td>231</td>
<td>Construction Safety</td>
<td>3</td>
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<tr>
<td>ESM</td>
<td>241</td>
<td>Regulatory Compliance &amp; Safety Management</td>
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<tr>
<td>ESM</td>
<td>351</td>
<td>Hazardous Materials &amp; Environmental Safety</td>
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<tr>
<td>ESM</td>
<td>361</td>
<td>Fundamental Concepts of Industrial Hygiene</td>
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<td>ESM</td>
<td>371</td>
<td>Essential Topics in ESM</td>
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<tr>
<td>ESM</td>
<td>380</td>
<td>ESM Lab Experience</td>
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<tr>
<td>ESM</td>
<td>499</td>
<td>ESM Internship</td>
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Any three of the following science lab courses:

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<tr>
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<td>145</td>
<td>Foundations of Biology</td>
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<td>CHEM</td>
<td>140</td>
<td>General Chem I</td>
<td>4</td>
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<td>160</td>
<td>General Chem II</td>
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<tr>
<td>GEOL</td>
<td>150</td>
<td>Earth Systems</td>
<td>4</td>
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<td>PHYS</td>
<td>154</td>
<td>Intro Physics I</td>
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<tr>
<td>PHYS</td>
<td>164</td>
<td>Intro Physics II</td>
<td>4</td>
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2020-09-21
CORE REQUIREMENTS

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
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- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

BIO 117 Medical Terminology 3 CH _____
BIO 145 Foundation of Biology 4 CH _____
OR
NSCI 101 The College Brain 4 CH _____
BIO 212 Microbiology 4 CH _____
BIO 284 Human Anatomy 4 CH _____
BIO 294 Human Physiology 4 CH _____
CHEM 140 Chemistry I 4 CH _____
CHEM 160 Chemistry II 4 CH _____
NSCI 202 Intro to Neuroscience 4 CH _____
PSY/SOC 202 Stats for the Social Sciences 3 CH _____
OR
MATH 211 Statistics 4 CH _____
PSY 255 Lifespan Development 3 CH _____
PHIL 267 or 387 or REL 200: Ethics 3 CH _____
**CORE REQUIREMENTS**

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

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- MATH 125 or higher (C- or better)  
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- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

---

**MAJOR REQUIREMENTS**

**Choose two of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST 101</td>
<td>U.S. History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 102</td>
<td>U.S. History Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST/SEMS 250</td>
<td>World History</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 290</td>
<td>Intro to Historical Methods</td>
<td>3</td>
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</table>

**200-400 level in U.S. History:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST ___</td>
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<td>3</td>
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<tr>
<td>HIST ___</td>
<td>___</td>
<td>3</td>
</tr>
<tr>
<td>HIST ___</td>
<td>___</td>
<td>3</td>
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</tbody>
</table>

**200-400 level in European History:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST ___</td>
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<td>3</td>
</tr>
<tr>
<td>HIST ___</td>
<td>___</td>
<td>3</td>
</tr>
<tr>
<td>HIST ___</td>
<td>___</td>
<td>3</td>
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**200-400 level in Non-Western History:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST ___</td>
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<td>3</td>
</tr>
<tr>
<td>HIST ___</td>
<td>___</td>
<td>3</td>
</tr>
<tr>
<td>HIST ___</td>
<td>___</td>
<td>3</td>
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</tbody>
</table>

**Choose one of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST 496</td>
<td>Capstone U.S.</td>
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</tr>
<tr>
<td>HIST 497</td>
<td>Capstone Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIST 498</td>
<td>Capstone World</td>
<td>3</td>
</tr>
</tbody>
</table>

---

During the junior or senior year, each major must present at an academic conference or complete a history related internship.
**Core Requirements**

**Literacies**

- **Composition**
  - ENG 101: College Writing (C- or better)

- **Presentation**
  - INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**

- MATH 125 or higher (C- or better)
  - (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

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  - (Art, music, or theater except THAR 101)
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- Humanities Course
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- One additional Creative or Humanities Course

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- Social Science Course
  - (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**

- 150 and 151 or Intermediate Course (C- or better)
  - (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**

- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**

- Theory Course

---

**Major Requirements**

Choose two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST 101</td>
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<td>3</td>
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</table>

**Required:**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>HIST 290</td>
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**200-400 level in U.S. History:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST ___</td>
<td>U.S. History</td>
<td>3</td>
</tr>
<tr>
<td>HIST ___</td>
<td>U.S. History</td>
<td>3</td>
</tr>
<tr>
<td>HIST ___</td>
<td>U.S. History</td>
<td>3</td>
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**200-400 level in European History:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST ___</td>
<td>European History</td>
<td>3</td>
</tr>
<tr>
<td>HIST ___</td>
<td>European History</td>
<td>3</td>
</tr>
<tr>
<td>HIST ___</td>
<td>European History</td>
<td>3</td>
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**200-400 level in Non-Western History:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST ___</td>
<td>Non-Western History</td>
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<tr>
<td>HIST ___</td>
<td>Non-Western History</td>
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<tr>
<td>HIST ___</td>
<td>Non-Western History</td>
<td>3</td>
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Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 496</td>
<td>Capstone U.S.</td>
<td>3</td>
</tr>
<tr>
<td>HIST 497</td>
<td>Capstone Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIST 498</td>
<td>Capstone World</td>
<td>3</td>
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During the junior or senior year, each major must present at an academic conference or complete a history related internship.
### SECONDARY EDUCATION REQUIREMENTS in History

#### Freshman Fall

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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDUC 111</td>
<td>Foundations of American Education</td>
<td>3</td>
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<tr>
<td>SPED 356</td>
<td>Special Education</td>
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#### Freshman Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDUC 112</td>
<td>Psychology Foundations of Education</td>
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#### Sophomore Fall

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDUC 215</td>
<td>Curriculum, Instruction, &amp; Assessment</td>
<td>3</td>
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<tr>
<td>EDUC 255</td>
<td>Mentoring</td>
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*Note: EDUC 215 is a prerequisite for all other Phase II methodology courses*

#### Junior Fall

<table>
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<tr>
<td>SECED 325</td>
<td>Teaching Reading &amp; Writing in Content Areas</td>
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<tr>
<td>SPED 357</td>
<td>Effective Instructional Practice &amp; Delivery Methods in Subject Area – All Special Ed.</td>
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#### Junior Spring

<table>
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<tr>
<td>SECED 340-370</td>
<td>Teaching in Secondary Schools</td>
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#### Senior Fall

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<td>EDUC 220</td>
<td>Integrated Instructional Systems</td>
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<td>SECED 268</td>
<td>Mentoring II</td>
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<td>SPED 358</td>
<td>Intensive Reading, Writing, &amp; Math Intervention</td>
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#### Senior Spring

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<td>SECED 444</td>
<td>Student Teaching</td>
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<td>EDUC 400</td>
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### ADDITIONAL COURSE REQUIREMENTS

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<td>MATH 125</td>
<td>Quantitative Reasoning</td>
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<td>AH 105</td>
<td>Taking Care of Your Well-Being</td>
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<tr>
<td>CIS 111</td>
<td>Word Processing Applications</td>
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</tbody>
</table>

*Mathematics majors are exempt

*AH 105 meets the Core Well-Being Theory Course requirement*
## CORE REQUIREMENTS

### Literacies
- **Composition**
  - ENG 101: College Writing (C- or better)
- **Presentation**
  - INDS 101: Presentational Literacy (C- or better)

### Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
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### Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

### Concern for Physical Well-Being
- Theory Course

## MINOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SPAN</td>
<td>214 Intermediate I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN</td>
<td>224 Intermediate II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN</td>
<td>250 Spain (Culture &amp; Civilization)</td>
<td>3</td>
</tr>
<tr>
<td>SPAN</td>
<td>305 Phonetics &amp; Pronunciation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN</td>
<td>315 Advanced Intermediate I</td>
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</tr>
<tr>
<td>SPAN</td>
<td>325 Advanced Intermediate II</td>
<td>3</td>
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</tbody>
</table>

18 credit hours
CORE REQUIREMENTS

Literacies

Composition
☑ ENG 101: College Writing (C- or better)

Presentation
☑ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
☑ MATH 142 or higher (C- or better)
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☑ SEMS 250: World Cultures
☑ SEMS 400: Global Issues

Concern for Physical Well-Being
☑ Theory Course

MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Grade</th>
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<tbody>
<tr>
<td>ACCT 113</td>
<td>Principles of Accounting I</td>
<td>3 CH _____</td>
</tr>
<tr>
<td>ACCT 123*</td>
<td>Principles of Accounting II</td>
<td>3 CH _____</td>
</tr>
<tr>
<td>BADM 233</td>
<td>Managerial Accounting</td>
<td>3 CH _____</td>
</tr>
<tr>
<td>OR</td>
<td></td>
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<td>Finance</td>
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<tr>
<td>ENG 260</td>
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<td>OR</td>
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<td>ENG 270</td>
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<td>MATH 341</td>
<td>Theory of Interest</td>
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<td>MATH 342</td>
<td>Derivative Markets</td>
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<tr>
<td>ECON 221</td>
<td>Principles of Microeconomics</td>
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All courses applied to the major must be completed with a grade of C- or higher. In addition, a student majoring in Actuarial Studies must take one of the first two examinations of the Society of Actuaries.
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- IND 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

- **Mathematics**: 181 Calculus I 4 CH 
- **Mathematics**: 182 Calculus II 4 CH 
- **Mathematics**: 211 Elementary Statistics 4 CH 
- **Mathematics**: 221 Discrete Math Structures 3 CH 
- **CSCI**: 159 Intro to Programming 4 CH 
- **CSCI**: 169 Data Structures 4 CH 
- **CSCI**: 269 Theory of Program Languages 4 CH 
- **CSCI**: 319 Database Management 4 CH 
- **CSCI**: 347 Theory of Computation 3 CH 
  or
- **CSCI**: 369 Design Analysis Algorithm 3 CH 
- **CSCI**: 419 Comp Org w/ Assembler 4 CH 
- **CSCI**: 427 Operating Systems 3 CH

Any CSCI 300 or higher:
- **CSCI** 3__ __________________________ __ CH ____

All courses applied to the major must be completed with a grade of C- or higher.
To satisfy the prerequisite for a course, the student must earn a C- or higher in the listed course(s). A prerequisite may always be waived for selected students by permission of the instructor. Junior or senior standing is required for courses numbered 300 or above.
CORE REQUIREMENTS

Literacies
Composition
☐ ENG 101: College Writing (C- or better)

Presentation
☐ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
☐ MATH 125 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
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☐ One additional Science or Quantitative Course

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☐ Social Science Course
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☐ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
☐ SEMS 110: Introduction to Seminar
☐ SEMS 250: World Cultures
☐ SEMS 400: Global Issues

Concern for Physical Well-Being
☐ Theory Course

MAJOR REQUIREMENTS

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<td>Calculus II</td>
<td>4 CH _____</td>
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<td>4 CH _____</td>
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<td>CIS 113</td>
<td>Data Management App</td>
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<td>CIS 120</td>
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<td>CIS 149</td>
<td>Programming in Python</td>
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<td>CIS 159</td>
<td>Intro to Programming</td>
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<td>CIS 319</td>
<td>Database Management</td>
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<tr>
<td>CIS 422</td>
<td>Data Mining</td>
<td>4 CH _____</td>
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Students majoring in Data Analytics are also required to complete a minor in a data-intensive field, such as business, biology, or sociology. The choice of minor must be approved by the student’s academic advisor.
**CORE REQUIREMENTS**

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 142 or higher (C- or better)
  - Exemption: Proficiency score at Pre-Calculus level
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  - Art, music, or theater except THAR 101
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- Humanities Course
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**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

---

**MAJOR REQUIREMENTS**

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<td>CIS 129</td>
<td>Fundamentals of Info Systems</td>
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<td>CIS 241</td>
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<td>CSCI 331</td>
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<td>CSCI 351</td>
<td>Info Security &amp; Forensics</td>
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<td>BADM ___ Elective courses</td>
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<td>_____ Elective CSCI/CIS/IS/BADM/ACCT</td>
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<td>CSCI 139</td>
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<td>CSCI 498</td>
<td>Cooperative Education</td>
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(Continued on next page)
### MAJOR REQUIREMENTS

#### Business Information Systems Concentration
- **CIS 129 Fundamentals of Info Systems** 3 CH
- **CIS 469 Systems Analysis** 3 CH
- **CSCI 427 Operating Systems** 3 CH
- **CIS 114 Presentational Applications** 1 CH
- **CIS 241 Project Management** 3 CH
- **___ General electives** 15 CH
- **___ Elective CSCI/CIS/IS/BADM/ACCT** 6 CH

#### General Concentration
- **CIS 129 Fundamentals of Info Systems** 3 CH
- **CSCI 351 Info Security & Forensics** 4 CH
- **CSCI 169 Data Structures** 4 CH
- **Or additional programming language**
  - **CSCI 139 Web Design & Development** 3 CH
  - **CSCI 427 Operating Systems** 3 CH
  - **CSCI 369 Design & Analytic Algorithms** 3 CH
  - **MATH 221 Discrete Mathematical Structure** 3 CH
  - **CSCI 331 Web Programming** 4 CH
  - **___ Elective CSCI/CIS/IS courses** 6 CH
  - **CIS 114 Presentational Applications** 1 CH
Curriculum Guides

Bachelor of Arts in Mathematics
With Teaching Certificate

Fall 2020/Spring 2021

CORE REQUIREMENTS

Literacies

Composition
  ❑ ENG 101: College Writing (C- or better)

Presentation
  ❑ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
  ❑ MATH 125 or higher (C- or better)
    (Exemption: Proficiency score at Pre-Calculus level)
  ❑ Natural or Physical Science Lab
  ❑ One additional Science or Quantitative Course

Creative/Humanistic

  ❑ Fine or Performing Arts Course
    (Art, music, or theater except THAR 101)
  ❑ REL 120, 121, 122, or 123
  ❑ Humanities Course
    (English, history, languages, philosophy, or religion)
  ❑ One additional Creative or Humanities Course

Socio-Political

  ❑ Social Science Course
    (Economics, geography, political science, psychology,
     sociology, or criminal justice)

Foreign Language

  ❑ 150 and 151 or Intermediate Course (C- or better)
    (Exemptions: Final grade of C or better for two years
     of high school language courses or proficiency test
     score at the intermediate level)

Seminar Series

  ❑ SEMS 110: Introduction to Seminar
  ❑ SEMS 250: World Cultures
  ❑ SEMS 400: Global Issues

Concern for Physical Well-Being

  ❑ Theory Course

MAJOR REQUIREMENTS

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<tr>
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❑ MATH 181 Calculus I 4 CH ____
❑ MATH 182 Calculus II 4 CH ____
❑ MATH 211 Elementary Statistics 4 CH ____
❑ MATH 221 Discrete Mathematical Structures 4 CH ____
❑ MATH 281 Calculus III 4 CH ____
❑ MATH 291 Linear Algebra 4 CH ____
❑ MATH 302 Differential Equations 4 CH ____
❑ MATH 311 Non/Euclidean Geometry 3 CH ____
❑ MATH 331 Abstract Algebra 3 CH ____
❑ MATH 371 Real Analysis 4 CH ____
### SECONDARY EDUCATION REQUIREMENTS in Mathematics

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<td>EDUC 111</td>
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<td>EDUC 255</td>
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**Note: EDUC 215 is a prerequisite for all other Phase II methodology courses**

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<td>EDUC 220</td>
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<td>SECED 268</td>
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### ADDITIONAL COURSE REQUIREMENTS

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<td>MATH 125</td>
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<td>AH 105</td>
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<td>CIS 111</td>
<td>2 CH</td>
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*Mathematics majors are exempt
*AH 105 meets the Core Well-Being Theory Course requirement
**CORE REQUIREMENTS**

**Literacies**
- **Composition**
  - ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  - (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

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- Social Science Course
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**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  - (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

**MAJOR REQUIREMENTS**

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- **MATH 181 Calculus I**
- **MATH 182 Calculus II**
- **MATH 281 Calculus III**
- **MATH 291 Linear Algebra**
- **MATH 302 Differential Equations**
- **MATH 371 Real Analysis**

Complete one of the following sequences:

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- **MATH 311 Non-Euclidean Geometry**
- **MATH 331 Abstract Algebra**

or

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- **MATH 451 Probability**
- **MATH 461 Statistics**

or

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- **MATH 432 Numerical Methods**
- **MATH 433 Mathematical Modeling**

Complete one addition 3 or 4 credit mathematics course numbered 220 or above:

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- **Capstone Project**

Complete one from each group:

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- PHYS 174 Introductory Physics I
- PHYS 184 Introductory Physics II
- CSCI 159 Intro to Programming
- CSCI 189 Java Programming

---

2020-09-21
Curriculum Guides
Bachelor of Arts in Media & Journalism

CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- IND 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
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- One additional Science or Quantitative Course

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- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

**Grade**

- COMM 280 Survey Media Communications 3 CH _____
- COMM 325 Communication Ethics 3 CH _____
- COMM 360 Practicum I: Thielensian 1 CH _____
- COMM 365 Practicum II: TCTV 1 CH _____
- COMM 371 Practicum III: WXTC 1 CH _____
- COMM 455 Media Law & Regulation 3 CH _____
- COMM 470 Senior Seminar 3 CH _____
- COMM 480 Communication Internship 3 CH _____
- CIS 113 Data Management Applications 3 CH _____
- CIS 129 Fundamentals of Info Systems 3 CH _____
- CSCI 139 Web Design/Development 3 CH _____
- CSCI 149 Programming in Python 3 CH _____
- CSCI 159 Intro to Programming 3 CH _____

**Television, Radio, & Online Media Track**

- COMM 235 Announcing 3 CH _____
- COMM 282 Writing for Media 3 CH _____
- COMM 301 Radio Broadcasting Production 3 CH _____
- COMM 302 TV Studio Production 3 CH _____
- COMM 303 Field Production & Editing 3 CH _____
- COMM 304 Online/TV/Radio News 3 CH _____
- COMM 305 Television News Production 3 CH _____

**Online & Print Media Track**

- COMM 220 Intro Online/Print Journalism 3 CH _____
- COMM 281 Media Literacy 3 CH _____
- COMM 315 Feature/Opinion Writing 3 CH _____
- COMM 340 Public Relations 3 CH _____
- COMM 350 Print Media Production 3 CH _____

In all courses for this major, the student must maintain the 2.0 GPA in major courses. This applies to all majors in our department.

Media & Journalism students should obtain at least one internship in a news media (or other mass media) or social media company.

2020-09-21
CORE REQUIREMENTS

Literacies

Composition
❑ ENG 101: College Writing (C- or better)

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❑ SEMS 110: Introduction to Seminar
❑ SEMS 250: World Cultures
❑ SEMS 400: Global Issues

Concern for Physical Well-Being
❑ Theory Course

MAJOR REQUIREMENTS

Grade

☐ COMM 155 Intro to Integrated Marketing 3 CH
☐ COMM 255 Interpersonal Communication 3 CH
OR
☐ COMM 321 Organization Communication 3 CH
☐ COMM 280 Survey Media Communications 3 CH
☐ COMM 282 Writing for Media 3 CH
☐ COMM 325 Communication Ethics 3 CH
☐ COMM 340 Public Relations 3 CH
☐ COMM 405 Advanced Public Relations 3 CH
☐ COMM 470 Senior Seminar 3 CH
☐ COMM 480 Communication Internship 3 CH
☐ CIS 111 Word Processing Applications 1 CH
☐ CIS 112 Spreadsheet Applications 1 CH
☐ CIS 122 Advanced Spreadsheet Apps 1 CH
☐ ACCT 113 Principles of Accounting 3 CH
☐ BADM 233 Managerial Accounting 3 CH
☐ BADM 324 Advertising 3 CH
☐ BADM 355 Business Law I 3 CH
☐ BADM 374 Principles of Management 3 CH
☐ BADM 384 Business Communication 3 CH
☐ BADM 454 Marketing 3 CH
☐ ECON 221 Principles of Microeconomics 3 CH

Recommended:

☐ IS 140 Graphic Arts 3 CH
☐ COMM 181 Public Speaking 3 CH
☐ COMM 300 Persuasion 3 CH
☐ COMM 331 Intercultural Communication 3 CH
☐ COMM 455 Media Law & Regulation 3 CH

In all courses for this major, the student must maintain the 2.0 GPA in major courses. This applies to all majors in our department. It is recommended that students majoring in Public Relations, Advertising, & Integrated Marketing obtain required internships at a PR agency, advertising agency, news media company, social media, or a corporation’s marketing department. On-campus internships are not sufficient, let alone ideal.

2020-09-21
Curriculum Guides

Bachelor of Arts in Public Relations, Advertising, & Integrated Marketing

Media Track

CORE REQUIREMENTS

Literacies
Composition
❑ ENG 101: College Writing (C- or better)

Presentation
❑ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
❑ MATH 125 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
❑ Natural or Physical Science Lab
❑ One additional Science or Quantitative Course

Creative/Humanistic
❑ Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
❑ REL 120, 121, 122, or 123
❑ Humanities Course
(English, history, languages, philosophy, or religion)
❑ One additional Creative or Humanities Course

Socio-Political
❑ Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
❑ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
❑ SEMS 110: Introduction to Seminar
❑ SEMS 250: World Cultures
❑ SEMS 400: Global Issues

Concern for Physical Well-Being
❑ Theory Course

MAJOR REQUIREMENTS

Grade

☐ COMM 155 Intro to Integrated Marketing  3 CH  
☐ COMM 225 Interpersonal Communication  3 CH  
OR
☐ COMM 321 Organization Communication  3 CH  
☐ COMM 280 Survey Media Communications  3 CH  
☐ COMM 282 Writing for Media  3 CH  
☐ COMM 325 Communication Ethics  3 CH  
☐ COMM 340 Public Relations  3 CH  
☐ COMM 405 Advanced Public Relations  3 CH  
☐ COMM 470 Senior Seminar  3 CH  
☐ COMM 480 Communication Internship  3 CH  
☐ CIS 111 Word Processing Applications  1 CH  
☐ CIS 112 Spreadsheet Applications  1 CH  
☐ CIS 122 Advanced Spreadsheet Apps  1 CH  
☐ CSCI 139 Web Design & Development  3 CH  
☐ BADM 100 Intro to Business  3 CH  
☐ BADM 324 Advertising  3 CH  
☐ BADM 374 Principles of Management  3 CH  
☐ BADM 384 Business Communication  3 CH  
☐ BADM 454 Marketing  3 CH  
☐ ECON 221 Principles of Microeconomics  3 CH  

Recommended:

☐ IS 140 Graphic Arts  3 CH  
☐ COMM 181 Public Speaking  3 CH  
☐ COMM 300 Persuasion  3 CH  
☐ COMM 331 Intercultural Communication  3 CH  
☐ COMM 455 Media Law & Regulation  3 CH  

In all courses for this major, the student must maintain the 2.0 GPA in major courses. This applies to all majors in our department. It is recommended that students majoring in Public Relations, Advertising, & Integrated Marketing obtain required internships at a PR agency, advertising agency, news media company, social media, or a corporation’s marketing department. On-campus internships are not sufficient, let alone ideal.
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- IND 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
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- One additional Science or Quantitative Course

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  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
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  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

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<th>Credits</th>
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<td>COMM 220</td>
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<td>COMM 280</td>
<td>Survey Media Communications</td>
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<td>COMM 315</td>
<td>Feature/Opinion Writing</td>
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<td>Print Media Production</td>
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<td>COMM 275</td>
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<td>COMM 360</td>
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<td>Business Law I</td>
<td>3 CH</td>
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<tr>
<td>BADM 374</td>
<td>Principles of Management</td>
<td>3 CH</td>
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<td>BADM 454</td>
<td>Marketing</td>
<td>3 CH</td>
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<td>HR Management</td>
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<td>BADM 304</td>
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<td>3 CH</td>
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<td>ECON 211</td>
<td>Macroeconomics</td>
<td>3 CH</td>
</tr>
<tr>
<td>ECON 221</td>
<td>Microeconomics</td>
<td>3 CH</td>
</tr>
</tbody>
</table>

**Recommendations:**

- COMM 340: Public Relations
- BADM 304: Principles of Investments
- BADM 324: Advertising
- BADM 376: International Business
- BADM 484: HR Management

Students in this major must maintain the 2.0 GPA in major courses. This applies to all majors in our department.
CORE REQUIREMENTS

**Literacies**
- **Composition**
  - ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
- REL 120, 121, 122, or 123
- Humanities Course
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
- (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
- Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

**Grade**

- COMM 171 Intro to Communication 3 CH ____
- COMM 175 History of Communication 3 CH ____
- COMM 181 Public Speaking 3 CH ____
- COMM 225 Interpersonal Communication 3 CH ____
- COMM 250 Small Group Comm. I 3 CH ____
- COMM 265 Communication & Gender 3 CH ____
- COMM 281 Media Literacy 3 CH ____
- COMM 300 Persuasion 3 CH ____
- COMM 321 Organizational Communication 3 CH ____
- COMM 325 Communication Ethics 3 CH ____
- COMM 331 Intercultural Communication 3 CH ____
- COMM 455 Media Law & Regulation 3 CH ____
- COMM 470 Senior Seminar 3 CH ____

**Choose One:**
- COMM 155 Intro to Integrated Marketing 3 CH ____
- COMM 220 Intro Online/Print Journalism 3 CH ____
- COMM 235 Announcing 3 CH ____
- COMM 440 Communication Theory 3 CH ____

In all courses for this major, the student must maintain the 2.0 GPA in major courses. This applies to all majors in our department.

Because the Communication Studies degree is a liberal arts degree, NOT a profession or industry-oriented degree, students should obtain at least one internship and should conduct extensive research about employment opportunities based on their interests and skills.
Curriculum Guides

Bachelor of Arts in Neuroscience

Fall 2020/Spring 2021

**CORE REQUIREMENTS**

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

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**MAJOR REQUIREMENTS**

**Graduate**

- NSCI 101 The College Brain 4 CH
- NSCI 202 Intro to Neuroscience 4 CH
- NSCI 250 Neuroscience Methods 4 CH
- NSCI 333 Junior Seminar 2 CH
- PSY 342 Cognitive Psychology 4 CH
- NSCI 409 Internship in Neuroscience 2 CH
- NSCI 444 Senior Seminar 2 CH
- NSCI 499 Neuroscience Research 2 CH

**Related Courses**

- PSY 150 General Psychology 3 CH
- PSY 270 Neuropsychology 3 CH
- PSY 233 Statistics for the Social Sciences 3 CH
- PHIL 267 Ethics 3 CH

**OR**

- PHIL 387 Medical Ethics 3 CH

Select 3 Electives (no more than 1 per department):

- BIO 272 Animal Behavior 4 CH
- BIO 290 Cell Biology 4 CH
- BIO 322 Genetics 4 CH
- BIO 343 Developmental Biology 4 CH
- BIO 399 Molecular Biology 4 CH
- BIO 284 Human Anatomy 4 CH
- BIO 294 Physiology 4 CH
- CSD 193 Nature & Dev of Language 3 CH
- CSD 214 Speech & Hearing Science 3 CH
- CHEM 345 Biochemistry I 4 CH
- ENG 455 Linguistics 3 CH
- MATH 421 Numerical Analysis 3 CH
- NSCI 125 Science of Cooking 4 CH
- NSCI 209 Neuropsychopharmacology 4 CH
- NSCI 315 Topics in Neuroscience 3-4 CH
- NSCI 330 Neuroanatomy 4 CH
- NSCI 340 Neuroendocrinology 4 CH
- NSCI 350 Neuro Diseases & Disorders 4 CH
- NSCI 400 Advanced Neuroscience 4 CH
- PHIL 347 Philosophy of Mind 3 CH
- PHIL 397 Philosophy of Science 3 CH
- PHYS 164 Intro to Physics II (Non-Calc) 4 CH
- PHYS 184 Intro to Physics I (Calc) 4 CH
- PSY 230 Intro to Learning 3 CH
- PSY 343 Sensation & Perception 4 CH
- REL 250 Psychology of Religion 3 CH
- SOC 381 Medical Sociology 3 CH
- SOC 391 Sociology of Aging 3 CH

2020-09-21
Core Requirements

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- IND 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 142 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic

Fine or Performing Arts Course
- Art, music, or theater except THAR 101
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political

Social Science Course
- Economics, geography, political science, psychology, sociology, or criminal justice

Foreign Language

- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series

- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being

- Theory Course

Major Requirements

| NSCI 101 | The College Brain | 4 CH |
| NSCI 202 | Intro to Neuroscience | 4 CH |
| NSCI 250 | Neuroscience Methods | 4 CH |
| NSCI 333 | Junior Seminar | 2 CH |
| PSY 342 | Cognitive Psychology | 4 CH |
| NSCI 409 | Internship in Neuroscience | 2 CH |
| NSCI 444 | Senior Seminar | 2 CH |
| NSCI 499 | Neuroscience Research | 2 CH |

Related Courses

| CHEM 140 | General Chemistry I | 4 CH |
| CHEM 160 | General Chemistry II | 4 CH |
| CHEM 200 | Organic Chemistry I | 4 CH |
| CHEM 200 | Organic Chemistry II | 4 CH |
| PHIL 267 | Ethics | 3 CH |

OR

| PHIL 387 | Medical Ethics | 3 CH |

Select 3 Electives (no more than 1 per department):

| BIO 272 | Animal Behavior | 4 CH |
| BIO 290 | Cell Biology | 4 CH |
| BIO 322 | Genetics | 4 CH |
| BIO 343 | Developmental Biology | 4 CH |
| BIO 399 | Molecular Biology | 4 CH |
| BIO 284 | Human Anatomy | 4 CH |
| BIO 294 | Physiology | 4 CH |
| CSD 193 | Nature & Dev of Language | 3 CH |
| CSD 214 | Speech & Hearing Science | 3 CH |
| CHEM 345 | Biochemistry I | 4 CH |
| ENG 455 | Linguistics | 3 CH |
| MATH 421 | Numerical Analysis | 3 CH |
| NSCI 125 | Science of Cooking | 4 CH |
| NSCI 209 | Neuropsychopharmacology | 4 CH |
| NSCI 315 | Topics in Neuroscience | 3-4 CH |
| NSCI 330 | Neuroanatomy | 4 CH |
| NSCI 340 | Neuroendocrinology | 4 CH |
| NSCI 350 | Neuro Diseases & Disorders | 4 CH |
| NSCI 400 | Advanced Neuroscience | 4 CH |
| PHIL 347 | Philosophy of Mind | 3 CH |
| PHIL 397 | Philosophy of Science | 3 CH |
| PHYS 164 | Intro to Physics II (Non-Calc) | 4 CH |
| PHYS 184 | Intro to Physics I (Calc) | 4 CH |
| PSY 230 | Intro to Learning | 3 CH |
| PSY 343 | Sensation & Perception | 4 CH |
| REL 250 | Psychology of Religion | 3 CH |
| SOC 381 | Medical Sociology | 3 CH |
| SOC 391 | Sociology of Aging | 3 CH |
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

<table>
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<tr>
<th>Grade</th>
<th>PHIL 127 Intro to Philosophy</th>
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<td>PHIL 137 Critical Thinking</td>
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<td>PHIL 147 Socrates to Aquinas</td>
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<td>PHIL 157 Descartes to Sartre</td>
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<td>PHIL 267 Ethics</td>
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<td>PHIL 477 Research in Philosophy</td>
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<td></td>
<td>PHIL ________________________</td>
<td>3 CH</td>
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In addition, the student shall indicate satisfactory performance on the department's comprehensive graduation requirement, which includes a thesis and an oral examination on the thesis.

A grade of C- or better is required in all courses for the major.
CORE REQUIREMENTS

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
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- Social Science Course
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Foreign Language
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  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

PHYS 123 Astronomy 3 CH _____
PHYS 174 Intro Physics I (Calc) 3 CH _____
PHYS 184 Intro Physics II (Calc) 3 CH _____
PHYS 213 Analog Electronics# 3 CH _____
PHYS 243 Digital Electronics# 3 CH _____
PHYS 223 Thermophysics* 3 CH _____
PHYS 253 Statistics & Dynamics* 3 CH _____
PHYS 263 Modern Physics 3 CH _____
PHYS 343 Electromagnetic Fields & Waves* 3 CH _____
PHYS 353 Intermediate Lab 3 CH _____
PHYS 424 Senior Project 3 CH _____

* 1 of these 3 courses
# 1 of these 2 courses

MATH & CSCI:
MATH 181 Calculus I 4 CH _____
MATH 182 Calculus III 4 CH _____
MATH 281 Calculus III 4 CH _____

All courses applied to the major and the competency courses (ENG 101, INDS 101, Languages) must be completed with a grade of C- or higher.

WIC and PIC courses are distributed over major courses.

WIC = Writing Intensive Courses
PIC = Presentation Intensive Courses
# SECONDARY EDUCATION REQUIREMENTS in Biology

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Note: EDUC 215 is a prerequisite for all other Phase II methodology courses

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<td>EDUC 400</td>
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# ADDITIONAL COURSE REQUIREMENTS

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<td>MATH 125</td>
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<td>AH 105</td>
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<tr>
<td>CIS 111</td>
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</tbody>
</table>

*Mathematics majors are exempt
*AH 105 meets the Core Well-Being Theory Course requirement
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
- (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  - (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  - (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  - (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
- (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

A total of 46 CH with 37 CH in Political Science coursework and 9 CH in other areas (see below). Students are required to take each of the following courses for a total of 22 CH of the 37 CH:

- POSC 116 American Government 3 CH
- POSC 146 Intro to Comparative Politics 3 CH
- POSC 156 Intro to International Relations 3 CH
- POSC 236 Public Policy 3 CH
- POSC 300 Intro to Legal Studies 3 CH
- POSC 286 Political Analysis 3 CH
- POSC 496 Senior Seminar 3 CH

The additional 15 CH (of the 37 CH) will be taken from Political Science electives; 9 CH of which must come from 3 different subfields of the following 5. The remaining 6 CH can be fulfilled with coursework from the list below, an internship, or an independent study within Political Science.

**American Politics**

- POSC 297 Politic Parties/Elec in the U.S. 3 CH
- POSC 225 Gender: Politics 3 CH
- POSC 315 Political Psychology 3 CH
- POSC 335 American Presidency 3 CH

**Public Policy & Public Administration**

- POSC 226 State/Local Politics 3 CH
- POSC 336 Public Administration 3 CH
- POSC 388 Death Penalty 3 CH
- POSC 456 American Foreign Policy 3 CH

**Public Law**

- POSC 436 Constitutional Law 3 CH
- POSC 437 First Amendment 3 CH
- POSC 438 Criminal Due Process 3 CH
- POSC 439 Criminal Law 3 CH
- POSC 445 Great American Trial 3 CH

**International Relations**

- POSC 312 International Security 3 CH
- POSC 396 International Law Organization 3 CH
- POSC 405 Terrorism 3 CH

**Comparative Politics**

- POSC 327 Politics & Develop Society 3 CH
- POSC 347 Politics - Industrial Society 3 CH
- POSC 230 Globalization 3 CH
- POSC 310 International Political Economy 3 CH

9 CH in the following:

- ENG 120 Intro to Literature 3 CH
- ________ ECON/HIST/PSY/SOC 3 CH
- ________ ECON/HIST/PSY/SOC 3 CH

Political Science majors are strongly advised to complete either MATH 125 or MATH 211 by the end of the sophomore year.
MAJOR REQUIREMENTS

Foundation Courses (22 CH)
- POSC 116 American Government 3 CH
- POSC 226 State/Local Politics 3 CH
- POSC 236 Public Policy 3 CH
- BADM 374 Principles of Management 3 CH

OR
- POSC 336 Public Administration 3 CH
- ECON 211 Principles of Macroeconomics 3 CH

OR
- ECON 221 Principles of Microeconomics 3 CH
- POSC 395 Policy & Program Evaluation 3 CH
- POSC 156 Intro to International Relations 3 CH
- POSC 495 Public Policy Capstone 3 CH

Criminal Justice (18 CH)
- CJS 101 Criminal Justice Studies 3 CH
- SOC 111 Microsociology 3 CH

OR
- SOC 141 Macrosociology 3 CH
- CJS 221 Corrections 3 CH

OR
- CJS 230 Law Enforcement 3 CH
- SOC 301 Juvenile Justice Studies 3 CH
- CJS 305 Victimology 3 CH
- SOC 331 Criminology 3 CH

OR
- SOC 342 Sociology Theory 3 CH
- POSC 438 Criminal Due Process 3 CH

OR
- POSC 439 Criminal Law 3 CH
- POSC 445 The Great American Trial 3 CH
CORE REQUIREMENTS

Literacies

Composition
- ENG 101: College Writing (C- or better)

Presentation
- INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

Concern for Physical Well-Being
- Theory Course

MAJOR REQUIREMENTS

Foundation Courses (22 CH)
- POSC 116 American Government 3 CH
- POSC 226 State/Local Politics 3 CH
- POSC 236 Public Policy 3 CH
- BADM 374 Principles of Management 3 CH
- OR
  - POSC 336 Public Administration 3 CH
  - ECON 211 Principles of Macroeconomics 3 CH
- OR
  - ECON 221 Principles of Microeconomics 3 CH
  - POSC 395 Policy & Program Evaluation 3 CH
  - POSC 156 Intro to International Relations 3 CH
  - POSC 495 Public Policy Capstone 4 CH

Environmental Studies (19 CH)
Required:
- ENSC 111 Intro to Environmental Studies 3 CH
- GEOL 150 Earth Systems 4 CH

Four of the following courses (12-14 CH):
- ENSC 200 Environmental Law 3 CH
- ENSC 225 Geographical Info Systems 3 CH
- ENSC 250 Meteorology 4 CH
- ENSC 320 Land Use Planning 3 CH
- GEOL 210 Principles of Hydrogeology 3 CH
- GEOL 250 Environmental Geology 3 CH

2020-09-21
## Core Requirements

### Literacies

#### Composition
- ENG 101: College Writing (C- or better)

#### Presentation
- INDS 101: Presentational Literacy (C- or better)

### Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  - (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

### Creative/Humanistic

#### Fine or Performing Arts Course
- Art, music, or theater except THAR 101

#### Humanities Course
- English, history, languages, philosophy, or religion
- One additional Creative or Humanities Course

### Socio-Political

#### Social Science Course
- Economics, geography, political science, psychology, sociology, or criminal justice

### Foreign Language

- 150 and 151 or Intermediate Course (C- or better)
  - (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

### Seminar Series

- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

### Concern for Physical Well-Being

- Theory Course

## Major Requirements

<table>
<thead>
<tr>
<th>Grade</th>
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<tbody>
<tr>
<td>Foundation Courses (22 CH)</td>
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<tr>
<td>POSC 116 American Government</td>
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<tr>
<td>POSC 226 State/Local Politics</td>
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<td>POSC 236 Public Policy</td>
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<tr>
<td>BADM 374 Principles of Management</td>
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<tr>
<td>OR</td>
</tr>
<tr>
<td>POSC 336 Public Administration</td>
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<tr>
<td>ECON 211 Principles of Macroeconomics</td>
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<tr>
<td>OR</td>
</tr>
<tr>
<td>ECON 221 Principles of Microeconomics</td>
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<tr>
<td>POSC 395 Policy &amp; Program Evaluation</td>
</tr>
<tr>
<td>POSC 156 Intro to International Relations</td>
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<tr>
<td>POSC 495 Public Policy Capstone</td>
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</tbody>
</table>

Food & Agricultural Biology (19-20 CH)

All of the following courses (17 CH):

<table>
<thead>
<tr>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 145 Foundations of Biology</td>
</tr>
<tr>
<td>BIO 222 Entomology</td>
</tr>
<tr>
<td>BIO 263 Plant Systematics</td>
</tr>
<tr>
<td>BIO 392 General Ecology</td>
</tr>
<tr>
<td>One of the following courses (3-4 CH):</td>
</tr>
<tr>
<td>BIO 110 Ethnobotany</td>
</tr>
<tr>
<td>BIO 111 Edible Botany</td>
</tr>
<tr>
<td>BIO 116 Conservation Biology</td>
</tr>
<tr>
<td>BIO 212 Microbiology</td>
</tr>
<tr>
<td>BIO 302 Plant Physiology</td>
</tr>
<tr>
<td>BIO 322 Genetics</td>
</tr>
</tbody>
</table>
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- IND 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

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MAJOR REQUIREMENTS

**Foundation Courses (22 CH)**
- POSC 116 American Government 3 CH _____
- POSC 226 State/Local Politics 3 CH _____
- POSC 236 Public Policy 3 CH _____
- BADM 374 Principles of Management 3 CH _____
  OR
- POSC 336 Public Administration 3 CH _____
- ECON 211 Principles of Macroeconomics 3 CH _____
  OR
- ECON 221 Principles of Microeconomics 3 CH _____
- POSC 395 Policy & Program Evaluation 3 CH _____
- POSC 156 Intro to International Relations 3 CH _____
- POSC 495 Public Policy Capstone 4 CH _____

**Health Systems (21-22 CH)**

All of the following courses:
- BIO 145 Foundations of Biology 4 CH _____
  OR
- NSCI 101 The College Brain 4 CH _____
- BIO 284 Human Anatomy 4 CH _____
  OR
- BIO 294 Human Physiology 4 CH _____
- CHEM 140 General Chemistry I 4 CH _____
- PSY 150 General Psychology 3 CH _____
- NSCI 202 Intro to Neuroscience 4 CH _____
  OR
- PSY 200 Lifespan Development 3 CH _____
- PHIL 267 Ethics 3 CH _____
  OR
- PHIL 387 Medical Ethics 3 CH _____
  OR
- REL 200 Contemporary Ethical Issues 3 CH _____
CORE REQUIREMENTS

Literacies
Composition
☐ ENG 101: College Writing (C- or better)

Presentation
☐ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
☐ MATH 125 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
☐ Natural or Physical Science Lab
☐ One additional Science or Quantitative Course

Creative/Humanistic
☐ Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
☐ REL 120, 121, 122, or 123
☐ Humanities Course
(English, history, languages, philosophy, or religion)
☐ One additional Creative or Humanities Course

Socio-Political
☐ Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
☐ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
☐ SEMS 110: Introduction to Seminar
☐ SEMS 250: World Cultures
☐ SEMS 400: Global Issues

Concern for Physical Well-Being
☐ Theory Course

MAJOR REQUIREMENTS

Foundation Courses (22 CH)
☐ POSC 116 American Government 3 CH _____
☐ POSC 226 State/Local Politics 3 CH _____
☐ POSC 236 Public Policy 3 CH _____
☐ BADM 374 Principles of Management 3 CH _____
OR
☐ POSC 336 Public Administration 3 CH _____
☐ ECON 211 Principles of Macroeconomics 3 CH _____
OR
☐ ECON 221 Principles of Microeconomics 3 CH _____
☐ POSC 395 Policy & Program Evaluation 3 CH _____
☐ POSC 156 Intro to International Relations 3 CH _____
☐ POSC 495 Public Policy Capstone 3 CH _____

International Studies (18 CH)
Two Required Courses (6 CH)
☐ POSC 146 Intro to Comparative Politics 3 CH _____
☐ POSC 156 Intro to International Relations 3 CH _____
Four electives from the following list (12 CH)
☐ POSC 230 Globalization 3 CH _____
☐ POSC 310 International Political Economy 3 CH _____
☐ POSC 312 International Security 3 CH _____
☐ POSC 327 Politics of Developing Societies 3 CH _____
☐ POSC 347 Politics of Industrialized Societies 3 CH _____
☐ POSC 405 Terrorism 3 CH _____
☐ POSC 410 International Law & Organization 3 CH _____
CORE REQUIREMENTS

Literacies
Composition
☐ ENG 101: College Writing (C- or better)

Presentation
☐ IND 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
☐ MATH 125 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
☐ Natural or Physical Science Lab
☐ One additional Science or Quantitative Course

Creative/Humanistic
☐ Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
☐ REL 120, 121, 122, or 123
☐ Humanities Course
(English, history, languages, philosophy, or religion)
☐ One additional Creative or Humanities Course

Socio-Political
☐ Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
☐ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
☐ SEMS 110: Introduction to Seminar
☐ SEMS 250: World Cultures
☐ SEMS 400: Global Issues

Concern for Physical Well-Being
☐ Theory Course

MAJOR REQUIREMENTS

Foundation Courses (22 CH)
☒ POSC 116 American Government 3 CH
☒ POSC 226 State/Local Politics 3 CH
☒ POSC 236 Public Policy 3 CH
☒ BADM 374 Principles of Management 3 CH
OR
☒ POSC 336 Public Administration 3 CH
☒ ECON 211 Principles of Macroeconomics 3 CH
OR
☒ ECON 221 Principles of Microeconomics 3 CH
☒ POSC 395 Policy & Program Evaluation 3 CH
☒ POSC 156 Intro to International Relations 3 CH
☒ POSC 495 Public Policy Capstone 3 CH

Leadership & Management (15 CH)
☒ ACCT 113 Principles of Accounting I 3 CH
☒ INDS 155 Principles of Ethical Leadership 3 CH
☒ BADM 233 Managerial Accounting 3 CH
☒ BADM 374 Principles of Management 3 CH
☒ BADM 484 Human Resource Management 3 CH
# Bachelor of Arts in Public Policy

## Social Issues

### CORE REQUIREMENTS

#### Literacies
- **Composition**
  - Course: ENG 101: College Writing (C- or better)

#### Presentation
- Course: INDS 101: Presentational Literacy (C- or better)

#### Quantitative/Scientific Reasoning
- **MATH** 125 or higher (C- or better)
  - (Exemption: Proficiency score at Pre-Calculus level)
  - **Natural or Physical Science Lab**
  - **One additional Science or Quantitative Course**

#### Creative/Humanistic
- **Fine or Performing Arts Course**
  - (Art, music, or theater except THAR 101)
- **REL** 120, 121, 122, or 123
- **Humanities Course**
  - (English, history, languages, philosophy, or religion)
  - **One additional Creative or Humanities Course**

#### Socio-Political
- **Social Science Course**
  - (Economics, geography, political science, psychology, sociology, or criminal justice)

#### Foreign Language
- **150 and 151 or Intermediate Course** (C- or better)
  - (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

#### Seminar Series
- **SEMS 110**: Introduction to Seminar
- **SEMS 250**: World Cultures
- **SEMS 400**: Global Issues

#### Concern for Physical Well-Being
- **Theory Course**

## MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Foundation Courses (22 CH)</th>
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<tbody>
<tr>
<td>3 CH</td>
<td>POSC 116 American Government</td>
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<tr>
<td>3 CH</td>
<td>POSC 226 State/Local Politics</td>
</tr>
<tr>
<td>3 CH</td>
<td>POSC 236 Public Policy</td>
</tr>
<tr>
<td>3 CH</td>
<td>BADM 374 Principles of Management</td>
</tr>
<tr>
<td>OR</td>
<td>POSC 336 Public Administration</td>
</tr>
<tr>
<td>OR</td>
<td>ECON 211 Principles of Macroeconomics</td>
</tr>
<tr>
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<td>ECON 221 Principles of Microeconomics</td>
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<tr>
<td></td>
<td>POSC 395 Policy &amp; Program Evaluation</td>
</tr>
<tr>
<td></td>
<td>POSC 156 Intro to International Relations</td>
</tr>
<tr>
<td></td>
<td>POSC 495 Public Policy Capstone</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Issues (18 CH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four required courses (12 CH):</td>
</tr>
<tr>
<td>SOC 121 Microsociology</td>
</tr>
<tr>
<td>SOC 141 Macrosociology</td>
</tr>
<tr>
<td>SOC 211 Anthropology</td>
</tr>
<tr>
<td>SOC 342 Sociology Theory</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Two additional electives from the following list: (6 CH):</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 251 Minorities</td>
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<tr>
<td>SOC 351 Social Stratification</td>
</tr>
<tr>
<td>SOC 401 Sociology of the Family</td>
</tr>
<tr>
<td>SOC 421 Gender &amp; Society</td>
</tr>
<tr>
<td>SOC 425 Urban Sociology</td>
</tr>
</tbody>
</table>
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)  
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

**Creative/Humanistic**
- Fine or Performing Arts Course  
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course  
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

**Socio-Political**
- Social Science Course  
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)  
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

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MAJOR REQUIREMENTS

**Foundation Courses (22 CH)**

- POSC 116 American Government 3 CH
- POSC 226 State/Local Politics 3 CH
- POSC 236 Public Policy 3 CH
- BADM 374 Principles of Management 3 CH
- POSC 336 Public Administration 3 CH
- ECON 211 Principles of Macroeconomics 3 CH
- ECON 221 Principles of Microeconomics 3 CH
- POSC 395 Policy & Program Evaluation 3 CH
- POSC 156 Intro to International Relations 3 CH
- POSC 495 Public Policy Capstone 4 CH

**Wildlife Biology (18-20 CH)**

Two required courses (8 CH):

- BIO 145 Foundations of Biology 4 CH
- BIO 392 General Ecology 4 CH

One of the following courses (4 CH):

- BIO 222 Entomology 4 CH
- BIO 262 Animal Systematics 4 CH
- BIO 263 Plant Systematics 4 CH

Two of the following courses (6-8 CH):

- BIO 116 Conservation Biology 3 CH
- BIO 212 Microbiology 4 CH
- BIO 272 Animal Behavior 4 CH
- BIO 302 General Parasitology 4 CH
- BIO 322 Genetics 4 CH
- BIO 350 Principles of Immunology 4 CH
- BIO 394 Aquatic Ecology 4 CH
## CORE REQUIREMENTS

### Literacies

#### Composition
- ENG 101: College Writing (C- or better)

#### Presentation
- INDS 101: Presentational Literacy (C- or better)

### Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  - Exemption: Proficiency score at Pre-Calculus level
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

### Creative/Humanistic
- Fine or Performing Arts Course
  - (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  - (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

### Socio-Political
- Social Science Course
  - (Economics, geography, political science, psychology, sociology, or criminal justice)

### Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  - Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level

### Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

### Concern for Physical Well-Being
- Theory Course

## MAJOR REQUIREMENTS

### Foundation Courses (22 CH)
- POSC 116 American Government 3 CH 
- POSC 226 State/Local Politics 3 CH 
- POSC 236 Public Policy 3 CH 
- BADM 374 Principles of Management 3 CH 
  - OR
  - POSC 336 Public Administration 3 CH 
- ECON 211 Principles of Macroeconomics 3 CH 
  - OR
  - ECON 221 Principles of Microeconomics 3 CH 
- POSC 395 Policy & Program Evaluation 3 CH 
- POSC 156 Intro to International Relations 3 CH 
- POSC 495 Public Policy Capstone 3 CH 

### Women & Gender Studies (18 CH)

#### One required course (3 CH):
- INDS 202 Intro Women & Gender Studies: Gender, Culture, & Sexuality 3 CH

#### Five additional electives from the following list (15 CH):
- ART 214 Women in Art 3 CH 
- COMM 265 Communication & Gender 3 CH 
- ENG 385 Women in Literature 3 CH 
- HIST 241 European Women's History 3 CH 
- HIST 450 Gender & Sexuality in 19th Century Europe 3 CH 
- PSY 450 Special Topics: Sex in the 21st Century 3 CH 
- REL 220 Women in the Jewish & Christian Traditions 3 CH 
- REL 225 Selected Topics: Sex, Sexuality, & Religion 3 CH 
- SEMS 400 Deadly Sins & Global Issues 3 CH 
- SEMS 400 Women's Issues & Global Human Rights 3 CH 
- SOC 261 American Women's Experience: A Multicultural Perspective 3 CH 
- SOC 271 Sociology of Sport 3 CH 
- SOC 401 Sociology of the Family 3 CH 
- SOC 421 Gender & Society 3 CH 
- SOC 431 Disney & Gender 3 CH 

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2020-09-21
## CORE REQUIREMENTS

### Literacies

#### Composition
- ENG 101: College Writing (C- or better)

#### Presentation
- IND 101: Presentational Literacy (C- or better)

### Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better) 
  *(Exemption: Proficiency score at Pre-Calculus level)*
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

### Creative/Humanistic
- **Fine or Performing Arts Course**
  *(Art, music, or theater except THAR 101)*
- REL 120, 121, 122, or 123
- Humanities Course
  *(English, history, languages, philosophy, or religion)*
- One additional Creative or Humanities Course

### Socio-Political
- Social Science Course
  *(Economics, geography, political science, psychology, sociology, or criminal justice)*

### Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  *(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)*

### Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

### Concern for Physical Well-Being
- Theory Course

## MAJOR REQUIREMENTS

### Foundation Courses (22 CH)
- **POSC 116** American Government 3 CH _____
- **POSC 226** State/Local Politics 3 CH _____
- **POSC 236** Public Policy 3 CH _____
- **BADM 374** Principles of Management 3 CH _____
- **POSC 336** Public Administration 3 CH _____
- **ECON 211** Principles of Macroeconomics 3 CH _____
- **ECON 221** Principles of Microeconomics 3 CH _____
- **POSC 395** Policy & Program Evaluation 3 CH _____
- **POSC 495** Public Policy Capstone 3 CH _____

### Environmental Biology (28 CH – 29 CH)

#### All of the following courses (17 CH)
- **ENSC 111** Intro to Environmental Studies 3 CH _____
- **GEOL 150** Earth Systems 3 CH _____
- **ENSC 225** Geographical Info Systems 3 CH _____
- **BIO 145** Foundations of Biology 4 CH _____

#### Three of the following courses (11 CH - 12 CH)
- **BIO 116** Conservation Biology 3 CH _____
- **BIO 262** Animal Systematics 4 CH _____
- **BIO 263** Plant Systematics 4 CH _____
- **BIO 212** Microbiology 4 CH _____
- **BIO 222** Entomology 4 CH _____
- **BIO 272** Animal Behavior 4 CH _____
- **BIO 273** Toxicology 4 CH _____
- **BIO 295** General Parasitology 4 CH _____
- **BIO 302** Plant Physiology 4 CH _____
- **BIO 394** Aquatic Ecology 4 CH _____
## CORE REQUIREMENTS

### Literacies

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- IND 101: Presentational Literacy (C- or better)

### Quantitative/Scientific Reasoning

- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

### Creative/Humanistic

- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
- REL 120, 121, 122, or 123
- Humanities Course
  (English, history, languages, philosophy, or religion)
- One additional Creative or Humanities Course

### Socio-Political

- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

### Foreign Language

- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years
  of high school language courses or proficiency test score at the intermediate level)

### Seminar Series

- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

### Concern for Physical Well-Being

- Theory Course

## MAJOR REQUIREMENTS

### Foundation Courses: (Majors take all foundation courses) Grade

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSY 105</td>
<td>2</td>
<td>Orientation to Psychology</td>
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<tr>
<td>PSY 150</td>
<td>3</td>
<td>General Psychology</td>
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<td>NSCI 101</td>
<td>4</td>
<td>The College Brain</td>
</tr>
<tr>
<td>PSY 215</td>
<td>3</td>
<td>Statistics for the Social Sciences</td>
</tr>
<tr>
<td>PSY 235</td>
<td>3</td>
<td>Research Methods</td>
</tr>
<tr>
<td>PSY 255</td>
<td>3</td>
<td>Lifespan Development</td>
</tr>
<tr>
<td>PSY 435</td>
<td>3</td>
<td>History &amp; Phil. of Psychology</td>
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### Cognitive Development Track

<table>
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<tr>
<th>Course</th>
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<tbody>
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<td>Child Development</td>
</tr>
<tr>
<td>PSY 272</td>
<td>3</td>
<td>Adulthood &amp; Aging</td>
</tr>
<tr>
<td>PSY 342</td>
<td>3</td>
<td>Cognitive Psychology</td>
</tr>
</tbody>
</table>

**Or**

<table>
<thead>
<tr>
<th>Course</th>
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### Electives – Breadth of Knowledge

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*Electives MUST NOT overlap with selected PSY track courses*

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**Curriculum Guides**

**Bachelor of Arts in Psychology**  
*(Counseling Track)*

**Fall 2020/Spring 2021**

### CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
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**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)  
  *(Exemption: Proficiency score at Pre-Calculus level)*
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  *(Art, music, or theater except THAR 101)*
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- Social Science Course  
  *(Economics, geography, political science, psychology, sociology, or criminal justice)*

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)  
  *(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)*

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

### MAJOR REQUIREMENTS

**Foundation Courses: (Majors take all foundation courses) Grade**

- PSY 105 Orientation to Psychology 2 CH _____
- PSY 150 General Psychology 3 CH _____
- NSCI 101 The College Brain 4 CH _____
- PSY 215 Statistics for the Social Sciences 3 CH _____
- PSY 235 Research Methods 3 CH _____
- PSY 255 Lifespan Development 3 CH _____
- PSY 435 History & Phil. of Psychology 3 CH _____

**Counseling Track**

- PSY 161 Interpersonal Process 1 CH _____
- PSY 221 Couns. Methods & Pers. Theory 3 CH _____
- PSY 241 Abnormal Behavior 3 CH _____
- PSY 281 Microcounseling Skills 3 CH _____
- PSY 381 Res. w/ Human Participants (Lab) 4 CH _____
- PSY 450 Topics in Psychology (Any) 3 CH _____

**Capstone Courses**

- PSY 345 Professional Dev. in Psychology 2 CH _____
- PSY 445 Senior Seminar in Psychology 2 CH _____

**Electives – Breadth of Knowledge**

- 6 – 8 credits | Choose ANY 2 from courses listed on back  
  *Electives MUST NOT overlap with selected PSY track courses*  
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**Major Requirements**

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# Bachelor of Arts in Psychology

**(Social Psychology Track)**

**Fall 2020/Spring 2021**

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<td>3</td>
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<tr>
<td>P ENG 260</td>
<td>Business and Tech. Writing</td>
<td>3</td>
<td>P</td>
<td>REL 210 Religion and the Sciences</td>
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<tr>
<td>P ENG 270</td>
<td>Advanced Composition</td>
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<td>P</td>
<td>REL 230 Philosophy of Religion</td>
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<tr>
<td>P ENG 317</td>
<td>Linguistics</td>
<td>3</td>
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<td>REL 250 Psychology of Religion</td>
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<td>EXER 105</td>
<td>Intro to Exercise Science</td>
<td>3</td>
<td>P</td>
<td>SOC 121 Microsociology</td>
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<tr>
<td>INDS 202</td>
<td>Intro to Women’s &amp; Gender Studies</td>
<td>3</td>
<td>P</td>
<td>SOC 191 Social Problems</td>
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<tr>
<td>P NSCI 202</td>
<td>Intro to Neuroscience</td>
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<td>P</td>
<td>SOC 321 Deviance</td>
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<td>P NSCI 209</td>
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<td>PHIL 137</td>
<td>Critical Thinking</td>
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<td>P</td>
<td>SOC 401 Sociology of the Family</td>
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<tr>
<td>PHIL 267</td>
<td>Ethics</td>
<td>3</td>
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<td>SOC 421 Gender and Society</td>
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<tr>
<td>P PHIL 337</td>
<td>Social &amp; Political Philosophy</td>
<td>3</td>
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<td>Electives Course Total: 6-8 CH</td>
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CORE REQUIREMENTS

Literacies
Composition
☐ ENG 101: College Writing (C- or better)

Presentation
☐ INDS 101: Presentational Literacy (C- or better)

Quantitative/Scientific Reasoning
☐ MATH 125 or higher (C- or better)
(Exemption: Proficiency score at Pre-Calculus level)
☐ Natural or Physical Science Lab
☐ One additional Science or Quantitative Course

Creative/Humanistic
☐ Fine or Performing Arts Course
(Art, music, or theater except THAR 101)
☐ REL 120, 121, 122, or 123
☐ Humanities Course
(English, history, languages, philosophy, or religion)
☐ One additional Creative or Humanities Course

Socio-Political
☐ Social Science Course
(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language
☐ 150 and 151 or Intermediate Course (C- or better)
(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

Seminar Series
☐ SEMS 110: Introduction to Seminar
☐ SEMS 250: World Cultures
☐ SEMS 400: Global Issues

Concern for Physical Well-Being
☐ Theory Course

MAJOR REQUIREMENTS

31 CH in Religion, including:
☐ REL 110 Intro to Religion
☐ REL 120 Scriptures
☐ REL 190 World Religions
☐ REL __ ________________________ 3 CH _____
☐ REL __ ________________________ 3 CH _____
☐ REL __ ________________________ 3 CH _____
☐ REL __ ________________________ 3 CH _____
☐ REL 330* Readings in Religious Studies 2 CH _____
☐ REL 340* Readings in Theology 2 CH _____

Of those 31 CH, a maximum of 3 CH of the following:
☐ REL 380 Cooperative Education 3 CH _____
☐ REL 390 Independent Study 3 CH _____

3 CH in Philosophy, preferably in the first year:
☐ PHIL 127 Intro to Philosophy 3 CH _____
☐ PHIL 147 Socrates to Aquinas 3 CH _____
☐ PHIL 157 Descartes to Sartre 3 CH _____

*Course to be taken earlier than the second semester of the junior year.
## Core Requirements

### Literacies

#### Composition
- ENG 101: College Writing (C- or better)

#### Presentation
- INDS 101: Presentational Literacy (C- or better)

### Quantitative/Scientific Reasoning
- MATH 125 or higher (C- or better)
  - (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
- One additional Science or Quantitative Course

### Creative/Humanistic
- Fine or Performing Arts Course
  (Art, music, or theater except THAR 101)
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- One additional Creative or Humanities Course

### Socio-Political
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

### Foreign Language
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

### Seminar Series
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

### Concern for Physical Well-Being
- Theory Course

## Major Requirements

### Grade

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>REL 110</td>
<td>Intro to Religion</td>
<td>3</td>
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<tr>
<td>REL 120</td>
<td>Scriptures</td>
<td>3</td>
</tr>
<tr>
<td>REL 125</td>
<td>Intro to Theology</td>
<td>3</td>
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<tr>
<td>REL 130</td>
<td>Intro to Ministry</td>
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<tr>
<td>REL 205</td>
<td>Mentoring in Youth Ministry</td>
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<tr>
<td>REL 290</td>
<td>Luther &amp; His Legacy</td>
<td>3</td>
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<tr>
<td>REL 340*</td>
<td>Readings in Theology</td>
<td>2</td>
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<td>REL 370</td>
<td>Foundations of Youth Ministry</td>
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Any two of the following Religion courses:

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>GREK 150</td>
<td>Intro to Greek Language</td>
<td>3</td>
</tr>
<tr>
<td>REL 140</td>
<td>History of Christianity</td>
<td>3</td>
</tr>
<tr>
<td>REL 160</td>
<td>Religion in the U.S.</td>
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</tr>
<tr>
<td>REL 180</td>
<td>Christian Worship</td>
<td>3</td>
</tr>
<tr>
<td>REL 200</td>
<td>Contemporary Ethical Issues</td>
<td>3</td>
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<tr>
<td>REL 250</td>
<td>Psychology of Religion</td>
<td>3</td>
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</table>

Any three of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PSY 150</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 242</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>SOC 121</td>
<td>Microsociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 141</td>
<td>Macrosociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 401</td>
<td>Sociology of the Family</td>
<td>3</td>
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</table>

Any one of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>COMM 171</td>
<td>Intro to Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 225</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 331</td>
<td>Intercultural Communication</td>
<td>3</td>
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</tbody>
</table>

*Course to be taken in the senior year.
CORE REQUIREMENTS

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)
  (Exemption: Proficiency score at Pre-Calculus level)
- Natural or Physical Science Lab
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**Creative/Humanistic**
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  (Art, music, or theater *except* THAR 101)
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  (English, history, languages, philosophy, or religion)
  - One *additional* Creative or Humanities Course

**Socio-Political**
- Social Science Course
  (Economics, geography, political science, psychology, sociology, or criminal justice)

**Foreign Language**
- 150 and 151 or Intermediate Course (C- or better)
  (Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the intermediate level)

**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Grade</th>
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<tbody>
<tr>
<td>SOC 121 Microsociology</td>
</tr>
<tr>
<td>SOC 141 Macrosociology</td>
</tr>
<tr>
<td>SOC 251 Minorities</td>
</tr>
<tr>
<td>SOC 341 Social Research Methods</td>
</tr>
<tr>
<td>SOC 342 Sociological Theory</td>
</tr>
<tr>
<td>SOC/CJS 371 Professional Seminar</td>
</tr>
<tr>
<td>SOC/PSY 215 Statistics for the Social Sciences</td>
</tr>
</tbody>
</table>

*Four Sociology courses numbered 261-491:
- SOC _______________________ 3 CH _____
- SOC _______________________ 3 CH _____
- SOC _______________________ 3 CH _____
- SOC _______________________ 3 CH _____

One other Sociology course:
- SOC _______________________ 3 CH _____

*Cannot use SOC 455 for this requirement.
**CORE REQUIREMENTS**

**Literacies**

**Composition**
- ENG 101: College Writing (C- or better)

**Presentation**
- INDS 101: Presentational Literacy (C- or better)

**Quantitative/Scientific Reasoning**
- MATH 125 or higher (C- or better)  
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- One additional Science or Quantitative Course

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**Seminar Series**
- SEMS 110: Introduction to Seminar
- SEMS 250: World Cultures
- SEMS 400: Global Issues

**Concern for Physical Well-Being**
- Theory Course

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**MAJOR REQUIREMENTS**

**CJS 101 Criminal Justice Studies** 3 CH ______

<table>
<thead>
<tr>
<th>Grade</th>
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</table>

**SOC 121 Microsociology** 3 CH ______

**OR**

**SOC 141 Macrosociology** 3 CH ______

**CJS 221 Corrections** 3 CH ______

**CJS 230 Law Enforcement** 3 CH ______

**CJS 438 Criminal Due Process** 3 CH ______

**OR**

**POSC 439 Criminal Law** 3 CH ______

**OR**

**POSC 445 The Great American Trial** 3 CH ______

**CJS 301 Juvenile Justice Studies** 3 CH ______

**CJS 305 Victimology** 3 CH ______

**SOC 321 Deviance** 3 CH ______

**OR**

**SOC 331 Criminology** 3 CH ______

**SOC 215 Stats for the Social Sciences** 3 CH ______

**SOC 341 Social Research Methods** 3 CH ______

**SOC 342 Sociology Theory** 3 CH ______

**CJS 371 Professional Seminar** 1 CH ______

**PHIL 267 Ethics** 3 CH ______

9 additional CH chosen from the unselected courses above or any of the following:

**SOC 191 Social Problems** 3 CH ______

**SOC 251 Minorities** 3 CH ______

**SOC 401 Sociology of the Family** 3 CH ______

**SOC 411 Organizations** 3 CH ______

**SOC 425 Urban Sociology** 3 CH ______

**SOC/CJS 431 Selected Topics** 3 CH ______

**SOC 435 Popular Culture** 3 CH ______

**CJS 303 Family Justice Issues** 3 CH ______

**ACCT 453 Forensic Acct & Fraud Exam** 3 CH ______

**BADM 355 Business Law I** 3 CH ______

**BADM 356 Business Law II** 3 CH ______

**BADM 364 Business Ethics** 3 CH ______

**COMM 455 Media Law & Regulation** 3 CH ______

**ENSC 200 Intro to Environmental Law** 3 CH ______

**POSC 116 American Government** 3 CH ______

**POSC 226 State/Local Politics** 3 CH ______

**POSC 236 Public Policy** 3 CH ______

**POSC 300 Intro to Legal Studies** 3 CH ______

**POSC 316 Topics: Civil Rights & Liberties** 3 CH ______

(Continue on back)
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<tr>
<td>POSC 336</td>
<td>Public Administration</td>
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<td>POSC 385</td>
<td>The Law of the Families</td>
<td>3 CH</td>
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<td>POSC 388</td>
<td>The Death Penalty</td>
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<tr>
<td>POSC 436</td>
<td>Constitutional Law</td>
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<td>POSC 437</td>
<td>Criminal Due Process Rights</td>
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<td>POSC 439</td>
<td>Criminal Law</td>
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<td>POSC 445</td>
<td>The Great American Trial</td>
<td>3 CH</td>
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<td>PSY 221</td>
<td>Counseling Methods</td>
<td>3 CH</td>
</tr>
<tr>
<td>PSY 223</td>
<td>Social Psychology</td>
<td>3 CH</td>
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<tr>
<td>PSY 241</td>
<td>Abnormal Psychology</td>
<td>3 CH</td>
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<td>PSY 262</td>
<td>Childhood Development</td>
<td>3 CH</td>
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<td>PSY 272</td>
<td>Adulthood &amp; Aging</td>
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<td>PHIL 297</td>
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<td>PHIL 347</td>
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<td>Legal Philosophy</td>
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<td>REL 200</td>
<td>Contemporary Ethical Issues</td>
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