



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

I. Foundation Courses

- | | | | | | |
|--------------------------|-----|-----|------------------------|------|-------|
| <input type="checkbox"/> | BIO | 145 | Foundations of Biology | 4 CH | _____ |
|--------------------------|-----|-----|------------------------|------|-------|

Grade

And one of the following four systematics courses:

- | | | | | | |
|--------------------------|-----|-----|--------------------|------|-------|
| <input type="checkbox"/> | BIO | 212 | Microbiology | 4 CH | _____ |
| <input type="checkbox"/> | BIO | 222 | Entomology | 4 CH | _____ |
| <input type="checkbox"/> | BIO | 262 | Animal Systematics | 4 CH | _____ |
| <input type="checkbox"/> | BIO | 263 | Plant Systematics | 4 CH | _____ |

II. Breadth in the Discipline of Biology

- | | | | | | |
|--------------------------|-----|-----|------------------------------|------|-------|
| <input type="checkbox"/> | BIO | 290 | Cell Biology | 4 CH | _____ |
| <input type="checkbox"/> | BIO | 322 | Genetics | 4 CH | _____ |
| <input type="checkbox"/> | BIO | 342 | Biostat and Research Methods | 4 CH | _____ |
| <input type="checkbox"/> | BIO | 392 | General Ecology | 4 CH | _____ |

Students must choose one elective based on availability and intent. The elective must be a 200 or 300 level BIO lab course that is 4 credits *except* BIO 350 – Principles of Immunology or courses applied as foundational courses. Students may also choose NSCI 202, 209, or 315.

- | | | | | | |
|--------------------------|-----|-----|----------|------|-------|
| <input type="checkbox"/> | BIO | XXX | Elective | 4 CH | _____ |
|--------------------------|-----|-----|----------|------|-------|

III. Senior Capstone Experience

- | | | | | | |
|--------------------------|-----|-----|-------------------------|------|-------|
| <input type="checkbox"/> | BIO | 395 | Junior Research Seminar | 1 CH | _____ |
| <input type="checkbox"/> | BIO | 462 | Senior Seminar | 2 CH | _____ |

And one of the following two courses:

- | | | | | | |
|--------------------------|-----|-----|-------------------|------|-------|
| <input type="checkbox"/> | BIO | 452 | Advanced Biology | 2 CH | _____ |
| <input type="checkbox"/> | 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

- | | | | | | |
|--------------------------|------|-----|--------------------------------|------|-------|
| <input type="checkbox"/> | MATH | 142 | Precalculus (min. requirement) | 3 CH | _____ |
|--------------------------|------|-----|--------------------------------|------|-------|

And one of the following three pairings:

- | | | | | | |
|--------------------------|------|-----|----------------------|------|-------|
| <input type="checkbox"/> | CHEM | 140 | General Chemistry I | 4 CH | _____ |
| <input type="checkbox"/> | CHEM | 160 | General Chemistry II | 4 CH | _____ |
- OR

- | | | | | | |
|--------------------------|------|-----|-----------------------------|------|-------|
| <input type="checkbox"/> | PHYS | 154 | Physics I (non-calc based) | 4 CH | _____ |
| <input type="checkbox"/> | PHYS | 164 | Physics II (non-calc based) | 4 CH | _____ |
- OR

- | | | | | | |
|--------------------------|------|-----|-----------------------------|------|-------|
| <input type="checkbox"/> | PHYS | 174 | Physics I (calculus based) | 4 CH | _____ |
| <input type="checkbox"/> | 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.

- | | | | | | |
|--------------------------|------|-----|-----------------------------|------|-------|
| <input type="checkbox"/> | PHYS | 164 | Physics II (non-calc based) | 4 CH | _____ |
|--------------------------|------|-----|-----------------------------|------|-------|



SECONDARY EDUCATION REQUIREMENTS in Biology

Freshman Fall *Grade*

- | | | | | |
|--------------------------|----------|-----------------------------------|------|-------|
| <input type="checkbox"/> | EDUC 111 | Foundations of American Education | 3 CH | _____ |
| <input type="checkbox"/> | SPED 356 | Special Education | 3 CH | _____ |

Freshman Spring

- | | | | | |
|--------------------------|----------|-------------------------------------|------|-------|
| <input type="checkbox"/> | EDUC 112 | Psychology Foundations of Education | 3 CH | _____ |
|--------------------------|----------|-------------------------------------|------|-------|

Sophomore Fall

- | | | | | |
|--------------------------|----------|---------------------------------------|------|-------|
| <input type="checkbox"/> | EDUC 215 | Curriculum, Instruction, & Assessment | 3 CH | _____ |
| <input type="checkbox"/> | EDUC 255 | Mentoring | 3 CH | _____ |

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

Junior Fall

- | | | | | |
|--------------------------|-----------|---|------|-------|
| <input type="checkbox"/> | SECED 325 | Teaching Reading & Writing in Content Areas | 3 CH | _____ |
| <input type="checkbox"/> | SPED 357 | Effective Instructional Practice & Delivery Methods in Subject Area – All Special Ed. | 3 CH | _____ |

Junior Spring

- | | | | | |
|--------------------------|---------------|-------------------------------|------|-------|
| <input type="checkbox"/> | SECED 340-370 | Teaching in Secondary Schools | 3 CH | _____ |
|--------------------------|---------------|-------------------------------|------|-------|

Senior Fall

- | | | | | |
|--------------------------|-----------|---|------|-------|
| <input type="checkbox"/> | EDUC 220 | Integrated Instructional Systems | 3 CH | _____ |
| <input type="checkbox"/> | SECED 268 | Mentoring II | 3 CH | _____ |
| <input type="checkbox"/> | SPED 358 | Intensive Reading, Writing, & Math Intervention | 3 CH | _____ |

Senior Spring

- | | | | | |
|--------------------------|-----------|------------------|------|-------|
| <input type="checkbox"/> | SECED 444 | Student Teaching | 3 CH | _____ |
| <input type="checkbox"/> | EDUC 400 | ELL | 3 CH | _____ |

ADDITIONAL COURSE REQUIREMENTS

- | | | | | |
|---|----------|--------------------------------|------|-------|
| <input type="checkbox"/> | MATH 107 | College Algebra | 3 CH | _____ |
| *Mathematics majors are exempt | | | | |
| <input type="checkbox"/> | MATH 125 | Quantitative Reasoning | 2 CH | _____ |
| *Mathematics majors are exempt | | | | |
| <input type="checkbox"/> | AH 105 | Taking Care of Your Well-Being | 2 CH | _____ |
| *AH 105 meets the Core Well-Being Theory Course requirement | | | | |
| <input type="checkbox"/> | CIS 111 | Word Processing Applications | 2 CH | _____ |