

Student Name: _____

Student ID: _____

Major Requirements

- _____ BIO 201 4 Biology I: Foundations of Cell Biology & Genetics
- _____ BIO 202 4 Biology II: Organisms and Diversity
- _____ BIO 203 4 Principles of Genetics
- _____ BIO 493 4 Biology Senior Capstone
- _____ ENS 204 4 Principles of Ecology

Select 4 hours in the summer field program[‡] from:

- _____ BIO 304 4 Field Natural History of the Black Hills _____
- _____ BIO 305 4 Natural History of the Rocky Mountains
- _____ BIO 370 1-4 Selected Topics (approved by advisor)
- _____ BIO 450 1-4 Directed Research (approved by advisor)

[‡]Additional courses from AuSable Institute of Environmental Studies (AIES) or other institutions may count with departmental approval.

Additional Major Requirements

Select one of the following chemistry course combinations:

- _____ CHE 201 4 General, Organic, and Biochemistry I
- _____ CHE 202 4 General, Organic, and Biochemistry II
- or
- _____ CHE 211 4 College Chemistry I
- _____ CHE 212 4 College Chemistry II

The following courses are strongly recommended:
CHE 311 & 312, PHY 203 & 204 or 211 & 212, NAS 480

Electives

Select 17 elective hours from:

- _____ BIO 244 4 Human Anatomy and Physiology I
- _____ BIO 245 4 Human Anatomy and Physiology II
- _____ BIO 301 4 Taxonomy of Vascular Plants
- _____ BIO 307 4 Vertebrate Natural History
- _____ BIO 312 4 Cellular and Molecular Biology
- _____ BIO 331 4 Comparative Anatomy
- _____ BIO 345 3 Evolution and the Nature of Science
- _____ BIO 351 4 Advanced Human Anatomy
- _____ BIO 360 1-4 Independent Study
- _____ BIO 370 1-4 Selected Topics (approved by advisor)
- _____ BIO 393 2 Practicum
- _____ BIO 410 3 Bioethics
- _____ BIO 432 4 Developmental Biology
- _____ BIO 441 4 Environmental Physiology
- _____ BIO 450 1-4 Directed Research
- _____ BIO 451 4 Advanced Human Physiology
- _____ BIO 452 4 Animal Physiology
- _____ BIO 462 4 Molecular Genetics
- _____ BIO 471 4 Microbiology and Immunology
- _____ BIO 472 4 Histology
- _____ BIO 490 1-2 Honors
- _____ CHE 411 3 Biochemistry I
- _____ ENS 375 4 Systems Ecology
- _____ SUS 231 4 Introduction to Environmental Science

Total Major Hours Required: 49

Systems Requirements for BS Degree – All systems curriculum courses must be completed with a grade of C- or better and are included in the major GPA.

- _____ COS 120 4 Introduction to Computational Problem Solving
- _____ IAS 330 3 Human Relations in Organizations
- _____ MAT 151 4 Calculus I
- _____ SYS 101 3 Introduction to Systems
- _____ SYS 390 3 Information Systems Analysis
- _____ SYS 392 1 Systems Seminar
- _____ SYS 394 3 Information Systems Design
- _____ SYS 403 3 Operations Management

Select one of the following:

- _____ COS 121 4 Foundations of Computer Science
- _____ COS 143 3 Interactive Web Page Design

Select one of the following:

- _____ MAT 210 4 Introductory Statistics
- _____ MAT 352 4 Mathematical Statistics

Select one of the following:

- _____ SYS 401* 3 Operations Research
- _____ SYS 402* 3 Modeling and Simulation

Select one of the following:

- _____ BIO 393 3-4 Practicum
- _____ SYS 393 3-4 Practicum

Systems Electives

Select at least 3 hours of electives, in addition to those required in the major or systems:

- _____ MAT 382 3 Advanced Statistical Methods
- _____ MGT 201 3 Introduction to Business
- _____ SYS 214 3 Principles of Human Computer Interaction
- _____ SYS 310 3 E-Commerce
- _____ SYS 401* 3 Operations Research
- _____ SYS 402* 3 Modeling and Simulation

*Courses in both areas may count only once.

Degree Requirements

- 128 minimum hours and 42 minimum upper-division hours (3XX/4XX course numbers).
- Fifty percent of the minimum hours must be completed at Taylor—64 hours.
- Fifty percent of the major/minor hours must be completed at Taylor.
- 22 of the last 30 hours earned must be completed at Taylor.
- Cumulative GPA of 2.0; major GPA of 2.3 (higher GPA may be required in certain curricula). (See current catalog for policy).
- All foundational core, major, minor, and proficiency requirements must be completed (including Senior Comprehensive Exam/Paper/Project).
- Two years of one foreign language is required for the BA degree.
- Candidates for 2 degrees must complete a minimum of 158 semester hours and meet all requirements for 2 different majors.