

Student Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

**Major Requirements**

_____	BIO 201	4	Biology I: Foundations of Cell Biology and 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<sup>‡</sup> 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 ( <i>approved by advisor</i> )
_____	BIO 450	1-4	Directed Research

<sup>‡</sup>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

**Electives**

Select 15 additional 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 ( <i>approved by advisor</i> )
_____	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 231	4	Introduction to Environmental Science
_____	ENS 375	4	Systems Ecology

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

**Total Major Hours Required: 49**

**Systems Requirements for BS Degree** – All systems curriculum courses must be completed with a grade of C- or better.

_____	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	4	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.