



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

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

**Computer Science Core Requirements**

_____	COS 120	4	Introduction to Computational Problem Solving
_____	COS 121	4	Foundations of Computer Science
_____	COS 143	3	Interactive Webpage Development
_____	COS 265	4	Data Structures and Algorithms
_____	COS 280	3	Introduction to Artificial Intelligence
_____	COS 326	3	Data Visualization
_____	COS 343	3	Database Systems
_____	SYS 411	3	Machine Learning

**Mathematics Core Requirements**

_____	MAT 180	3	Problem Solving
_____	MAT 230	4	Calculus II
_____	MAT 240	4	Calculus III
_____	MAT 255	3	Justifications in Mathematics
_____	MAT 311	3	Introduction to Data Science
_____	MAT 345	4	Linear Algebra
_____	MAT 352	4	Mathematical Statistics
_____	MAT 382	3	Advanced Statistical Methods
_____	MAT 392	1	Mathematics Seminar
_____	MAT 393	3	Practicum
_____	MAT 493	3	Senior Capstone

Select one course from the following:

_____	COS 243	3	Multi-tier Web Application Development
_____	COS 380	3	Natural Language Processing
_____	MAT 310	3	Mathematical Modeling with Numerical Analysis
_____	MAT 340	4	Advanced Calculus
_____	MAT 455	3	Abstract Algebra

**Complete one of the following concentration areas:**

Biology

_____	BIO 203	4	Principles of Genetics
_____	BIO 306	3	Introduction to Bioinformatics
_____	ENS 204	4	Principles of Ecology

Chemistry

Select one course from the following:

_____	CHE 201	4	General, Organic, and Biochemistry I
_____	CHE 211	4	College Chemistry I

Select one course from the following:

_____	CHE 202	4	General, Organic, and Biochemistry II
_____	CHE 212	4	College Chemistry II

Select one course from the following:

_____	CHE 301	4	Analytical Chemistry I
_____	CHE 431	4	Physical Chemistry I

Select one course from the following:

_____	CHE 302	4	Analytical Chemistry II
_____	CHE 432	4	Physical Chemistry II

Physics

_____	PHY 211	5	University Physics I
_____	PHY 212	5	University Physics II

Select one course from the following:

_____	PHY 310	3	Modern Physics
_____	PHY 311	4	Modern Physics

Select one course from the following:

_____	PHY 321	3	Electricity and Magnetism
_____	PHY 412	3	Quantum Mechanics

Political Science

_____	POS 100	3	American Politics
_____	POS 245	3	Research in Political Studies
_____	POS 331	3	Public Policy
_____	POS 344	3	Campaigns and Elections

Psychology

_____	PSY 100	3	Introductory Psychology
_____	PSY 272	3	Research Methods in Psychology
_____	PSY 425	3	Industrial-Organizational Psychology

Select one course from the following:

_____	PSY 321	3	Social Psychology
_____	PSY 422	3	Psychological Testing

Public Health

_____	BIO 306	3	Introduction to Bioinformatics
_____	PBH 100	3	Introduction to Public Health
_____	PBH 320	4	Epidemiology

Select one course from the following:

_____	PBH 210	3	Human Diseases
_____	PBH 335	4	Environmental Health
_____	PBH 350	3	Determinants of Health and Health Equity
_____	SUS 200	3	Environment and Society

Sociology

_____	SOC 210	3	Contemporary Social Issues
_____	SOC 250	2	Principles of Research and Analysis
_____	SOC 315	3	Social Inequality and Stratification
_____	SOC 350	3	Social Research Methods

Select one course from the following:

_____	SOC 100	3	Introduction to Sociology
_____	SOC 110	3	Introduction to Global Societies

Sport Management

_____	SMA 115	3	Introduction to Sport Management
_____	SMA 210	3	Introduction to Sport Technology and Analytics
_____	SMA 352	3	Event and Facility Management
_____	SMA 354	3	Sport Finance

Systems

_____	SYS 101	3	Introduction to Systems
_____	SYS 390	3	Information Systems Analysis
_____	SYS 394	4	Information Systems Design
_____	SYS 401	3	Operations Research

**Total Major Hours Required: 76-83**

Attendance at 15 Mathematics sanctioned events is required.

(Continued on next page)

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***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.