

Computer Science Core Requirements

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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			
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Complete one of the following concentration areas: Biology

BIO 203 BIO 306 ENS 204	3	Introduction to Bioinformatics
<u>Chemistry</u>		
	4	<i>m the following:</i> General, Organic, and Biochemistry I College Chemistry I
	4	m the following: General, Organic, and Biochemistry II College Chemistry II
	4	m the following: Analytical Chemistry I Physical Chemistry I
	4	m the following: Analytical Chemistry II Physical Chemistry II
Physics PHY 211 PHY 212		University Physics I University Physics II
	3	<i>m the following:</i> Modern Physics Modern Physics
Select <u>one</u> course PHY 321 PHY 412	3	

BS in Data Science 2024-2025

Student Name: _____

Student ID: _____

Mathematics Co	ore F	Requirements
MAT 180		Problem Solving
MAT 230	4	Calculus II
MAT 240	4	Calculus III Justifications in Mathematics
MAT 255	3	Justifications in Mathematics
MAT 311	3	Introduction to Data Science
MAT 345	4	Linear Algebra
MAT 233 MAT 311 MAT 345 MAT 352	4	Mathematical Statistics
MAT 382	- 3	Advanced Statistical Methods
MAT 392	1	
MAT 393	3	Practicum
MAT 493	3	Senior Capstone
Select one cours	e fro	
COS 243	3	Multi-tier Web Application Development
COS 380	3	Natural Language Processing
MAT 310	3	Mathematical Modeling with Numerical Analysis Advanced Calculus
MAT 340	4	Advanced Calculus
MAT 455	3	Abstract Algebra
Political Science		
POS 100	3	American Politics
POS 245	3	Research in Political Studies
POS 331	3	Research in Political Studies Public Policy
POS 344	3	Campaigns and Elections
Psychology		
PSY 100	3	
PSY 272	3	
PSY 425		Industrial-Organizational Psychology
Select <u>one</u> cours PSY 321		om the following: Social Psychology
Sociology	U	Coolari Sychology
SOC 210	3	Contemporary Social Issues
SOC 250	3 2	Principles of Research and Analysis
SOC 230	2	
SOC 313	3	
Select <u>one</u> cours	e fro	om the following:
SOC 100		Introduction to Sociology
SOC 110	3	Introduction to Global Societies
Sport Manageme		Introduction to Sport Management
SIVIA 115	ა ი	Introduction to Sport Management Introduction to Sport Technology and Analytics
SMA 113 SMA 210 SMA 352	ა ი	Event and Facility Management
SMA 352 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.

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.