



BACHELOR OF SCIENCE IN COMPUTER SCIENCE

FRESHMAN - FALL SEMESTER

ENG 1113	Communication: English Composition I	3
MAT 1195	Reasoning: Calculus I	5
UNI 1111	Opportunities: University Seminar	1
CIS 1033	Foundations of Computer Science	3
CIS 1163	Personal Cybersecurity	3
Total Credits	.....	15

FRESHMAN - SPRING SEMESTER

ENG 2213 / ENG 3813	Communication: English Composition II <i>or</i> Communication: Professional Writing and Editing	3
UNI 1121	Reasoning: Introduction to Critical Thinking	1
CIS 1144	Computer Science I	4
MAT 1173	Discrete Mathematics	3
MAT 2255	Calculus II	5
Total Credits	.....	16

SOPHOMORE - FALL SEMESTER

ECO 2023	Society: Principles of Microeconomics	3
CIS 1154	Computer Science II	4
CIS 2013	Networking and Cloud Computing	3
CIS 3123	Survey of Data Science	3
MAT 2263 <i>or</i> MAT 3323	Calculus III <i>or</i> Linear Algebra	3
Total Credits	.....	16

SOPHOMORE - SPRING SEMESTER

DISCOVER	Communication: (Communication Options)	3
DISCOVER	Inquiry: (Inquiry Options)*	4
CIS 1141	Introduction to Linux and Scripting	1
CIS 2213	System Analysis and Design	3
CIS 2253	Full Stack Web Development	3
Total Credits	.....	14

JUNIOR - FALL SEMESTER

DISCOVER	Discipline: (Discipline Options)	3
CIS 3323	Database Management Systems Design	3
CIS 3412	Machine Organization	2
CIS 3423 <i>or</i> ELECTIVE	Programming Languages <i>or</i> Student Selection	3
MAT 2263 <i>or</i> MAT 3323	Calculus III <i>or</i> Linear Algebra	3
MAT 3343	Mathematical Statistics	3
Total Credits	.....	17

JUNIOR - SPRING SEMESTER

DISCOVER	Enrichment: (Enrichment Options)	3
DISCOVER	Values: (Spiritual Formation Options)	2
CIS 3333	Algorithms & Data Structures	3
CIS 3433 <i>or</i> ELECTIVE	Artificial Intelligence and Machine Learning <i>or</i> Student Selection	3
CIS 3852	Computing Ethics and Professional Development	2
CIS 4423	Operating Systems	3
Total Credits	.....	16

SENIOR - FALL SEMESTER

BIB 1013	Values: Old Testament History	3
DISCOVER	Society: (American Studies Options)	3
CIS 3423 <i>or</i> ELECTIVE	Programming Languages <i>or</i> Student Selection	3
CIS 4462	Applied Software Engineering I	2
ELECTIVE	Student Selection	2
Total Credits	.....	13

SENIOR - SPRING SEMESTER

BIB 1023	Values: New Testament History	3
DISCOVER	Values: (Cultural Awareness Options)	2
CIS 3433 <i>or</i> ELECTIVE	Artificial Intelligence and Machine Learning <i>or</i> Student Selection	3
CIS 4472	Applied Software Engineering II	2
CHOICE	Mathematics Choice	3
Total Credits	.....	13

DISCOVER Core Curriculum

Student Selection: Open Choice, Second Major Courses, or Minor Courses

*Major Recommendation

Total Credits to Graduate: 120

Updated Spring 2025