BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND MATHEMATICS

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 Hours	....……	15

FRESHMAN - SPRING SEMESTER

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

SOPHOMORE - FALL SEMESTER

ECO 2023	Society: Microeconomics	3
DISCOVER	Values: (Cultural Awareness Options)	2
DISCOVER	Values: (Spiritual Formation Options)	2
CIS 1154	Computer Science II	4
CIS 2013	Networking and Cloud Computing	3
MAT 2263	Calculus III	3
Total Hours	....……	17

SOPHOMORE - SPRING SEMESTER

DISCOVER	Communcation: (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
MAT 3332	Symbolic Logic and Set Theory	2
CHOICE	Mathematics Choice	2
Total Hours	....……	18

JUNIOR - FALL SEMESTER

BIB 1013	Values: Old Testament History	3
CIS 3323	Database Management Systems Design	3
CIS 3412	Machine Organization	2
CIS 3423 *or* CIS 4433	Programming Languages *or* Numerical Methods	3
MAT 3323	Linear Algebra	3
MAT 3343	Mathematical Statistics	3
Total Hours	....……	17

JUNIOR - SPRING SEMESTER

BIB 1023 *or* MAT 4663	Values: New Testament History *or* Advanced Calculus	3
DISCOVER *or* CIS 3433	Discipline: (Discipline Options) *or* Artificial Intelligence and Machine Learning	3
CIS 3333	Algorithms and Data Structures	3
CIS 4423	Operating Systems	3
MAT 3313 *or* CHOICE	Abstract Algebra *or* Mathematics/Science Choice	3
Total Hours	....……	15

SENIOR - FALL SEMESTER

DISCOVER	Enrichment: (Enrichment Options)	3
DISCOVER	Society: (American Studies Options)	3
CIS 3423 *or* CIS 4433	Programming Languages *or* Numerical Methods	3
CIS 4462	Applied Software Engineering I	2
SCF 3422	Math Through the Eyes of Faith	2
CHOICE	Mathematics Choice	3
Total Hours	....……	16

SENIOR - SPRING SEMESTER

BIB 1023 *or* MAT 4663	Values: New Testament History *or* Advanced Calculus	3
DISCOVER *or* CIS 3433	Discipline: (Discipline Options) *or* Artificial Intelligence and Machine Learning	3
CIS 3852	Computing Ethics and Professional Development	2
CIS 4472	Applied Software Engineering II	2
MAT 3313 *or* CHOICE	Abstract Algebra *or* Mathematics Choice	3
CHOICE	Mathematics Choice	2
Total Hours	....……	15

DISCOVER Core Curriculum: 40 Hours
Student Selection: Open Choice, Second Major Courses, or Minor Courses
*Major Recommendation

Total Credits to Graduate: 129

Updated Spring 2025