



BACHELOR OF SCIENCE IN ARTIFICIAL INTELLIGENCE AND DATA 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
DISCOVER	Discipline: (Discipline Options)	3
CIS 1144	Computer Science I	4
MAT 1173	Discrete Mathematics	3
Total Credits		14

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 3343	Mathematical Statistics	3
Total Credits		16

SOPHOMORE - SPRING SEMESTER

DISCOVER	Communication: (Communication Options)	3
DISCOVER	Enrichment: (Enrichment Options)	3
CIS 1141	Introduction to Linux and Scripting	1
CIS 2213	System Analysis and Design	3
CIS 2253 <i>or</i> CIS 1853	Full Stack Web Development <i>or</i> Artificial Intelligence & Contemporary Technologies	3
MAT 3473 <i>or</i> MAT 4343	Analysis of Variance <i>or</i> Mathematical Statistics II	3
Total Credits		16

JUNIOR - FALL SEMESTER

BIB 1013	Values: Old Testament History	3
DISCOVER	Society: (American Studies Options)	3
CIS 2033 <i>or</i> CIS 3053	Information Assurance <i>or</i> Artificial Intelligence Analytics Tools	3
CIS 3323	Database Management Systems Design	3
CIS 3412	Machine Organization	2
MAT 3323 <i>or</i> ELECTIVE	Linear Algebra <i>or</i> Student Selection	3
Total Credits		17

JUNIOR - SPRING SEMESTER

BIB 2013	Values: New Testament History	3
CIS 2253 <i>or</i> CIS 1853	Full Stack Web Development <i>or</i> Artificial Intelligence & Contemporary Technologies	3
CIS 3333	Algorithms and Data Structures	3
CIS 3433 <i>or</i> CIS 3043	Artificial Intelligence and Machine Learning <i>or</i> Applications of Artificial Intelligence in X	3
MAT 3473 <i>or</i> MAT 4343	Analysis of Variance <i>or</i> Mathematical Statistics II	3
Total Credits		15

SENIOR - FALL SEMESTER

DISCOVER	Values: (Spiritual Formation Options)	2
DISCOVER	Inquiry: (Inquiry Options)	4
CIS 2033 <i>or</i> CIS 3053	Information Assurance <i>or</i> Artificial Intelligence Analytics Tools	3
CIS 4462	Applied Software Engineering I	2
MAT 3323 <i>or</i> ELECTIVE	Linear Algebra <i>or</i> Student Selection	3
Total Credits		14

SENIOR - SPRING SEMESTER

DISCOVER	Values: (Cultural Awareness Options)	2
CIS 3433 <i>or</i> CIS 3043	Artificial Intelligence and Machine Learning <i>or</i> Applications of Artificial Intelligence in X	3
CIS 3852	Computing Ethics and Professional Development	2
CIS 4472	Applied Software Engineering II	2
ELECTIVE	Student Selection	4
Total Credits		13

DISCOVER Core Curriculum

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

Total Credits to Graduate: 120

Updated Spring 2026