



Southwest Baptist UNIVERSITY

BACHELOR OF SCIENCE IN CYBERSECURITY

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
PSY 1013	Discipline: General Psychology	3
UNI 1121	Reasoning: Introduction to Critical Thinking	1
CIS 1141	Introduction to Linux and Scripting	1
CIS 1144	Computer Science I	4
MAT 1173	Discrete Mathematics	3
Total Credits		15

SOPHOMORE - FALL SEMESTER

ECO 2023	Society: Principles of Microeconomics	3
CIS 1154	Computer Science II	4
CIS 2013	Networking and Cloud Computing	3
CIS 2033 <i>or</i> CIS 2043	Information Assurance <i>or</i> Systems Administration	3
MAT 3343	Mathematical Statistics	3
Total Credits		16

SOPHOMORE - SPRING SEMESTER

BIB 1023	Values: New Testament History	3
DISCOVER	Communication: (Communication Options)	3
CIS 2213	System Analysis and Design	3
CIS 2253	Full Stack Web Development	3
MAT 3473 / MAT 4343	Analysis of Variance Mathematical Statistics II	3
Total Credits		15

JUNIOR - FALL SEMESTER

DISCOVER	Inquiry: (Inquiry Options)	4
CIS 2033 <i>or</i> CIS 2043	Information Assurance <i>or</i> Systems Administration	3
CIS 3123	Survey of Data Science	3
CIS 3323	Database Management Systems Design	3
CIS 4393 <i>or</i> CHOICE	Networks and Systems Security <i>or</i> Computer Science Choice	3
Total Credits		16

JUNIOR - SPRING SEMESTER

DISCOVER	Values: Cultural Awareness	2
CIS 3852	Computing Ethics and Professional Development	2
CIS 3013 <i>or</i> CIS 4033	Digital Forensics <i>or</i> Social Engineering	3
CIS 3033 <i>or</i> CIS 4463	Secure Software <i>or</i> Ethical Hacking	3
CIS 3333	Algorithms and Data Structures	3
CHOICE	Computer Science Choice	3
Total Credits		16

SENIOR - FALL SEMESTER

BIB 1013	Values: Old Testament History	3
DISCOVER	Enrichment: (Enrichment Options)	3
DISCOVER	Values: (Spiritual Formation Options)	2
CIS 3412	Machine Organization	2
CIS 4462	Applied Software Engineering I	2
CIS 4393 <i>or</i> CHOICE	Networks and Systems Security <i>or</i> Computer Science Choice	3
Total Credits		15

SENIOR - SPRING SEMESTER

DISCOVER	Society: (American Studies Options)	3
CIS 3013 <i>or</i> CIS 4033	Digital Forensics <i>or</i> Social Engineering	3
CIS 3033 <i>or</i> CIS 4463	Secure Software <i>or</i> Ethical Hacking	3
CIS 4423	Operating Systems	3
CIS 4472	Applied Software Engineering II	2
Total Credits		14

DISCOVER Core Curriculum

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

Total Credits to Graduate: 122

Updated Spring 2025