Southwest Baptist UNIVERSITY

BACHELOR OF SCIENCE IN WEB SYSTEMS AND DESIGN

FRESHMAN - FALL SEMESTER

ART 2703	Enrichment: Introduction to Graphic Design	3
ENG 1113	Communication: English Composition I	3
MAT 1243	Reasoning: Algebraic Reasoning and Modeling	3
UNI 1111	Opportunities: University Seminar	1
CIS 1033	Foundations of Computer Science	3
CIS 1163	Personal Cybersecurity	3
Total Credits	……………………………………………....	16

FRESHMAN - SPRING SEMESTER

UNI 1121	Reasoning: Introduction to Critical Thinking	1
ENG 2213 / ENG 3813	Communication: English Composition II or Communication: Professional Writing and Editing	3
DISCOVER	Values: (Cultural Awareness Options)	2
BUS 2023	Business Statistics	3
CIS 1144	Computer Science I	4
MAT 1173	Discrete Mathematics	3
Total Credits	……………………………………………....	16

SOPHOMORE - FALL SEMESTER

BIB 1013	Values: Old Testament History	3
DISCOVER	Discipline: (Discipline Options)	3
DISCOVER	Society: (American Studies Options)	3
CIS 1154	Computer Science II	4
CIS 2013	Networking and Cloud Computing	3
Total Credits	……………………………………………....	16

SOPHOMORE - SPRING SEMESTER

DISCOVER	Inquiry: (Inquiry Options)	4
ART 3043 or CIS 2003	Graphic Design I or Web and User Experience Design	3
CIS 2213	System Analysis and Design	3
CIS 2253	Full Stack Web Development	3
MKT 3023	Principles of Marketing	3
Total Credits	……………………………………………....	16

JUNIOR - FALL SEMESTER

BIB 1023	Values: New Testament History	3
DISCOVER or MKT 3083	Communication: (Communication Options) or Advertising	3
ART 3703 or CIS 3313	Graphic Design II or Advanced System Analysis and Design	3
CIS 3123	Survey of Data Science	3
CIS 3323	Database Management Systems Design	3
MKT 3033	Consumer Behavior	3
Total Credits	……………………………………………....	18

JUNIOR - SPRING SEMESTER

ART 3043 or CIS 2003	Graphic Design I or Web and User Experience Design	3
ART 3723	Graphic Design III	3
CIS 1141	Introduction to Linux and Scripting	1
CIS 1853	Artificial Intelligence & Contemporary Technologies	3
CIS 3333	Algorithms and Data Structures	3
Total Credits	……………………………………………....	13

SENIOR - FALL SEMESTER

ECO 2023	Society: Principles of Microeconomics	3
DISCOVER or MKT 3083	Communication: (Communication Options) or Advertising	3
ART 3703 or CIS 3313	Graphic Design II or Advanced System Analysis and Design	3
CIS 3412	Machine Organization	2
CIS 4462	Applied Software Engineering I	2
Total Credits	……………………………………………....	13

SENIOR - SPRING SEMESTER

DISCOVER	Values: (Spiritual Formation Options)	2
BUS 4203	Data Analytics	3
CIS 3852	Computing Ethics and Professional Development	2
CIS 4472	Applied Software Engineering II	2
MKT 4253	Digital and Social Media Marketing	3
Total Credits	……………………………………………....	12

DISCOVER Core Curriculum

Total Credits to Graduate: 120

Updated Spring 2025