Southwest Baptist UNIVERSITY

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

FRESHMAN – FALL SEMESTER

CIS 1144	Computer Science I	4
MAT 1143	College Algebra	3
UNI 1111	University Seminar	1
CIS 1033	Foundations of Computer Science	3
	Gen Ed or Graduation Req	3
	Gen Ed or Graduation Req [HPE/SOC/SPF]	2
Total hours	....*16*	

FRESHMAN – SPRING SEMESTER

CIS 1154	Computer Science II	4
MAT 1195	Calculus I	5
MAT 1173	Discrete Mathematics	3
UNI 1121	Critical Thinking	1
	Gen Ed or Graduation Req [HPE/SOC/SPF]	3
Total hours	....*16*	

SOPHOMORE – FALL SEMESTER

CIS 1163	Introduction to Cybersecurity	3
CIS 2213	Systems Analysis and Design	3
ECO 2023	Microeconomics	3
MAT 3343	Probability and Statistics	3
	Gen Ed science with lab	4
Total hours	....*16*	

SOPHOMORE – SPRING SEMESTER

CIS 2013	Networks	3
MAT 2255	Calculus II	5
CIS 3333	Algorithms & Data Structures	3
	Gen Ed or CS Elective	3
	Gen Ed or Graduation Requirement	2
Total hours	....*16*	

JUNIOR – FALL SEMESTER

CIS 4433	Numerical Methods	3
MAT 2263	Calculus III	3
PHY 2215	University Physics	5
	Gen Ed or CS elective	3
	Gen Ed or Graduation Requirement	2
Total hours	....*16*	

JUNIOR – SPRING SEMESTER

CIS 3323	Database Management	3
CIS 3413	Machine Organization	3
LDR 4043	Ethics and Professional Development	3
	Gen Ed or CS elective	3
	Gen Ed or Graduation Requirement	3
	Free elective	1
Total hours	....*16*	

SENIOR – FALL SEMESTER

CIS 4462	Applied Software Engineering I	2
CIS 3423	Programming Languages	3
MAT 3323	Linear Algebra	3
	Gen Ed or CS elective	3
	Gen Ed or Graduation Requirement	3
	2000+ Elective from PHY/CHE/BIO/MAT	2
Total hours	....*16*	

SENIOR – SPRING SEMESTER

CIS 4472	Applied Software Engineering II	2
CIS 4423	Operating Systems	3
	Gen Ed or CS elective	3
	Gen Ed or Graduation Requirement	3
	2000+ Elective from PHY/CHE/BIO/MAT	3
	Free elective	2
Total hours	....*16*	