



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
<i>Total hours</i>		<i>16</i>

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
<i>Total hours</i>		<i>16</i>

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
<i>Total hours</i>		<i>16</i>

SOPHOMORE – SPRING SEMESTER

CIS 2013	Networks	3
MAT 2255	Calculus II	5
CIS 3333	Algorithms & Data Structures	3
	Gen Ed or Graduation Requirement	3
	Gen Ed or Graduation Requirement	2
<i>Total hours</i>		<i>16</i>

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
<i>Total hours</i>		<i>16</i>

JUNIOR – SPRING SEMESTER

CIS 3323	Database Management	3
CIS 3353	Survey of Programming Languages & Artificial Intelligence	3
LDR 4043	Ethics and Professional Development	3
	Gen Ed or CS elective	3
	Gen Ed or Graduation Requirement	3
	Free elective	1
<i>Total hours</i>		<i>16</i>

SENIOR – FALL SEMESTER

CIS 4462	Applied Software Engineering I	2
CIS 3413	Machine Organization	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
<i>Total hours</i>		<i>16</i>

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
<i>Total hours</i>		<i>16</i>

THIS IS A PROPOSED GUIDELINE. Please check the catalog and see your advisor for your final degree requirements.

Southwest Baptist University reserves the right to make changes to degree plans without advanced notice or obligation.

The student is responsible for understanding and completing all general education, degree, departmental and graduation requirements.