ComputerScience, Bachelor of Science

First Year

Fall Term

Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	1302	Computer Science Principles	3
MATH	2211	Precalculus A	2
MATH	2212	Precalculus B	2
ENGL	1301	Rhetoric and Composition	3
HIST	1301	United States History I	3
		Core S/BS	3
		Total Semester Hours	**16**

Spring Term

Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	2302	Computer Programming Principles	3
MATH	2313	Calculus I	3
ENGL	1302	Research and Argument	3
HIST	1302	United States History II	3
		Core CA	3
		Total Semester Hours	**15**

Second Year

Fall Term

Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	2311	Event-Driven Programming	3
CSCI	2314	Computer Organization and Architecture	3
MATH	2314	Calculus II	3
		Computer Science Elective	3
		Computer SLab Elective	1
		Total Semester Hours	**13**

Spring Term

Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	3302	Data Structures	3
MATH	1342	Introduction to Probability and Statistics	3
ENGL	2311	Technical and Scientific Writing	3
		Computer Science Elective	3
		Computer SLab Elective	1
		Core LPC	3
		Total Semester Hours	**16**

Third Year

Fall Term

Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	3323	Software Engineering	3
CSCI	3333	Discrete Structures	3
CSCI	3331	Object-Oriented Programming Methods	3
GOVT	2305	Federal Government	3
		Math 3000-4000	3
		Total Semester Hours	**15**

Spring Term

Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	3341	Principles of Operating Systems	3
CSCI	3342	Algorithm Analysis	3
CSCI	4341	Formal Languages	3
GOVT	2306	Texas Government	3
SPCH	1315	Public Speaking	3
		Total Semester Hours	**15**

Fourth Year

Fall Term

Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	4325	Database Management Systems	3
CSCI	4342	Organization Programming Languages	3
		CSCI 3000-4000	3
CSCI	4260	Senior Design I	2
		AnyCourse	3
		Total Semester Hours	**14**

Spring Term

Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	4335	Computer Networking	3
CSCI	4347	Cyber Security Concepts	3
CSCI	4270	Senior Design II	2
		AnyCourse	3
		AnyCourse	3
		Total Semester Hours	**14**

Total Hours for Degree	**118**

ComputerScience, Bachelor of Science

Course Group Key						
Course Group Name	**Credit Hours**	**Courses in Group**		**Course Group Name**	**Credit Hours**	**Courses in Group**	

Course Group Name	Credit Hours	Courses in Group		Course Group Name	Credit Hours	Courses in Group	
Computer Science Elective	3			**Core CA**	3		
Classical and Modern Astronomy		ASTR	1303	Art Appreciation		ARTS	1301
Biology for Non-Science Majors I		BIOL	1308	Art History I (Prehistoric to the 14th century)		ARTS	1303
Biology for Non-Science Majors II		BIOL	1309	Art History II (14th Century to the present)		ARTS	1304
General Zoology		BIOL	1313	Dance Appreciation		DANC	2303
Anatomy and Physiology I		BIOL	2301	Theatre Appreciation		DRAM	1310
Intro to Chemistry I		CHEM	1305	Film and Culture		DRAM	2366
General Chemistry I		CHEM	1311	Intro to Music Literature		MUMH	1307
General Chemistry II		CHEM	1312	Music Appreciation		MUSI	1306
Introductory Geology		GEOL	1303	**Core S/BS**	3		
Historical Geology		GEOL	1304	Cultural Anthropology		ANTH	2351
Mechanics and Heat		PHYS	1301	Principles of Macroeconomics		ECON	2301
Electricity, Sound and Light		PHYS	1302	Principles of Microeconomics		ECON	2302
General Physics I		PHYS	1305	Intro to Human Dimensions and Recreation		FORS	2351
General Physics II		PHYS	1307	World Regional Geography		GEOG	1303
Fundamentals of Electronics		PHYS	1310	Survey of Mass Communication		MCOM	1307
Technical Physics I		PHYS	2325	General Psychology		PSYC	2301
Technical Physics II		PHYS	2326	Introduction to Sociology		SOCI	1301
Computer SLab Elective	1			**CSCI 3000-4000**	3		
Classical and Modern Astronomy		ASTR	1103	Contemporary Programming Language		CSCI	3101
Biology for Non-Science Majors I		BIOL	1108	Client Server Web Programming		CSCI	3321
Biology for Non-Science Majors II		BIOL	1109	Software Engineering		CSCI	3323
General Zoology		BIOL	1113	Object-Oriented Programming Methods		CSCI	3331
Anatomy and Physiology I		BIOL	2101	Discrete Structures		CSCI	3333
Intro to Chemistry I Lab		CHEM	1105	Principles of Operating Systems		CSCI	3341
General Chemistry I Lab		CHEM	1111	Algorithm Analysis		CSCI	3342
General Chemistry II Lab		CHEM	1112	Data Analytics I		CSCI	3362
Introductory Geology Lab		GEOL	1103	Contemporary Topics in Computer Science		CSCI	4101
Historical Geology Lab		GEOL	1104	Special Problems		CSCI	4175
Mechanics and Heat Lab		PHYS	1101	Computer Science Practicum		CSCI	4312
Electricity, Sound and Light Lab		PHYS	1102	Applied Operations Research		CSCI	4321
General Physics I Lab		PHYS	1105	Database Management Systems		CSCI	4325
General Physics II Lab		PHYS	1107	Requirements Engineering and System Modeling		CSCI	4326
Fundamental of Electronics Lab		PHYS	1110	System Simulation and Model Building		CSCI	4331
Technical Physics I Lab		PHYS	2125	Computer Networking		CSCI	4335
Technical Physics II Lab		PHYS	2126	Formal Languages		CSCI	4341
Core LPC	3			Organization Programming Languages		CSCI	4342
Literary Genres		ENGL	2335	Computer Graphics		CSCI	4345
Introduction to Mythology		ENGL	2309	Cyber Security Concepts		CSCI	4347
British Literature to 1800		ENGL	2322	Data Analysis II		CSCI	4362
British Literature from 1800		ENGL	2323	Capstone Data Analysis		CSCI	4365
American Literature to 1865		ENGL	2327	**AnyCourse**	3	Any course offered by SFA	
American Literature from 1865		ENGL	2328				
World Literature to 1650		ENGL	2332				
World Literature from 1650		ENGL	2333				
Introduction to Literature		ENGL	2341				
Western Civilization I		HIST	2311				
Western Civilization II		HIST	2312				
World Civilizations I		HIST	2321				
World Civilizations II		HIST	2322				
Introduction to Philosophy		PHIL	1301				
Introduction to World Religions		PHIL	1304				
Introduction to Ethics		PHIL	2306				