

First Year

Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	1302	Computer Science Principles	3	CSCI	1462	Introduction to Data Analytics	4
MATH	2211	Precalculus A	2			OR	
MATH	2011	Precalculus A Lab	0	MATH	1342	Introduction to Probability and Statistics & 1 Elective Credit Hour	
MATH	2212	Precalculus B	2	CSCI	2302	Computer Programming Principles	3
MATH	2012	Precalculus B Lab	0	MATH	2313	Calculus I	3
ENGL	1301	Rhetoric and Composition	3	MATH	2113	Calculus I Lab	1
HIST	1301	United States History I	3	ENGL	1302	Research and Argument	3
		Core LPC	3	HIST	1302	United States History II	3
Total Semester Hours			16	Total Semester Hours			17

Second Year

Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	2311	Event-Driven Programming	3	CSCI	3302	Data Structures	3
CSCI	2314	Computer Organization and Architecture	3	CSCI	3321	Client Server Web Programming	3
MATH	2314	Calculus II	3			Mathmatics Option	3
MATH	2114	Calculus II Lab	1			Core Science	3
		Core LPC	3			Core Slab	1
				ENGL	2311	Technical and Scientific Writing	3
Total Semester Hours			13	Total Semester Hours			16

Third Year

Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	3323	Software Engineering	3	GOVT	2306	Texas Government	3
CSCI	3333	Discrete Structures	3	CSCI	3341	Principles of Operating Systems	3
GOVT	2305	Federal Government	3	CSCI	3342	Algorithm Analysis	3
SPCH	1315	Public Speaking	3			Core S/BS	3
		CSCI/CSIT 3000-4000	3			Elective	3
Total Semester Hours			15	Total Semester Hours			15

Fourth Year

Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	4260	Senior Design I	2	CSCI	4270	Senior Design II	2
CSCI	4342	Organization Programming Languages	3	CSCI	4335	Computer Networking	3
CSCI	4341	Formal Languages	3			CSCI/CSIT 3000-4000	3
		Core CA	3			Elective	3
		Elective	3			Elective	3
Total Semester Hours			14	Total Semester Hours			14

Total Hours for Degree 120

Course Group Key						
Course Group Name	Credit Hours	Courses in Group		Course Group Name	Credit Hours	Courses in Group
<b>Core Science</b>	<b>2-3</b>			<b>Core CA</b>	<b>3</b>	
Classical and Modern Astronomy		ASTR	1303	Art Appreciation		ARTS 1301
Biology for Science Majors I		BIOL	1306	Art History I (Prehistoric to the 14th century)		ARTS 1303
Biology for Science Majors II		BIOL	1307	Art History II (14th Century to the present)		ARTS 1304
Biology for Non-Science Majors I		BIOL	1308	Dance Appreciation		DANC 2303
Biology for Non-Science Majors II		BIOL	1309	Theatre Appreciation		DRAM 1310
Anatomy and Physiology I		BIOL	2301	Film and Culture		DRAM 2366
Plant Form and Function		BIOL	2361	Intro to Music Literature		MUMH 1307
Local Flora or Fauna		BIOL	2381	Music Appreciation		MUSI 1306
Intro to Chemistry I		CHEM	1305	<b>Core S/BS</b>	<b>3</b>	
General Chemistry I		CHEM	1311	Cultural Anthropology		ANTH 2351
General Chemistry II		CHEM	1312	Principles of Macroeconomics		ECON 2301
Chemistry and Society		CHEM	1371	Principles of Microeconomics		ECON 2302
Intro to Environmental Science		ENVR	1301	Intro to Human Dimensions and Recreation		FORS 2351
Fundamentals of Earth Science		GEOL	1301	World Regional Geography		GEOG 1303
Introductory Geology		GEOL	1303	Survey of Mass Communication		MCOM 1307
Historical Geology		GEOL	1304	General Psychology		PSYC 2301
Cultivating Plants		HORT	1231	Introduction to Sociology		SOCI 1301
Mechanics and Heat		PHYS	1301	<b>CSCI/CSIT 3000-4000</b>	<b>3</b>	
Electricity, Sound and Light		PHYS	1302	Contemporary Programming Language		CSCI 3101
General Physics I		PHYS	1305	Object-Oriented Programming Methods		CSCI 3331
General Physics II		PHYS	1307	Discrete Structures		CSCI 3333
Fundamentals of Electronics		PHYS	1310	Principles of Operating Systems		CSCI 3341
Technical Physics I		PHYS	2325	Algorithm Analysis		CSCI 3342
Technical Physics II		PHYS	2326	Contemporary Topics in Computer Science		CSCI 4101
<b>Core Science Lab</b>	<b>1</b>			Wthics in Computer Science		CSCI 4111
Classical and Modern Astronomy		ASTR	1103	Applied Operations Research		CSCI 4321
Biology for Science Majors I		BIOL	1106	Database Management Systems		CSCI 4325
Biology for Science Majors II		BIOL	1107	Requirements Engineering and System Modeling		CSCI 4326
Biology for Non-Science Majors I		BIOL	1108	System Simulation and Model Building		CSCI 4331
Biology for Non-Science Majors II		BIOL	1109	Computer Networking		CSCI 4335
Anatomy and Physiology I		BIOL	2101	Organization Programming Languages		CSCI 4342
Plant Form and Function Lab		BIOL	2061	Computer Graphics		CSCI 4345
Local Flora or Fauna Lab		BIOL	2081	Special Problems		CSCI 4175
Intro to Chemistry I Lab		CHEM	1105	Data Analytics I		CSCI 3362
General Chemistry I Lab		CHEM	1111	Data Analysis II		CSCI 4362
General Chemistry II Lab		CHEM	1112	Capstone Data Analysis		CSCI 4365
Conceptual Chemistry Lab		CHEM	1071	Internship in Computing		CSCI 3185
Intro to Environmental Science Lab		ENVR	1101	Internship in Information Technology		CSIT 3185
Fundamentals of Earth Science Lab		GEOL	1001	<b>Elective</b>	<b>3</b>	Any course offered by SFA
Introductory Geology Lab		GEOL	1103			
Historical Geology Lab		GEOL	1104			
Cultivating Plants Lab		HORT	1131			
Mechanics and Heat Lab		PHYS	1101			
Electricity, Sound and Light Lab		PHYS	1102			
General Physics I Lab		PHYS	1105			
General Physics II Lab		PHYS	1107			
Fundamental of Electronics Lab		PHYS	1110			
Technical Physics I Lab		PHYS	2125			
Technical Physics II Lab		PHYS	2126			

Course Group Key			
Course Group Name	Credit Hours	Courses in Group	
<b>Mathematics Option</b>	<b>3</b>		
Seminar in Mathematics I		MATH	3180
Foundations of Mathematics		MATH	3300
Concepts of Calculus		MATH	3301
Concepts of Geometry		MATH	3302
Calculus III		MATH	3315
Introduction to Numerical Methods		MATH	3320
Computational Linear Algebra		MATH	3325
Differential Equations		MATH	3330
Probability Modeling		MATH	3340
Statistical Inference		MATH	3345
Introduction to Modern Mathematics		MATH	3360
Linear Algebra		MATH	3365
College Geometry		MATH	3370
Seminar in Mathematics II		MATH	4180
Advanced Topics in Undergraduate Mathematics and Statistics		MATH	4190
Special Problems		MATH	4195
Special Problems		MATH	4196
Introduction to Algebraic Systems		MATH	4320
Number Theory		MATH	4325
Introduction to Analysis I		MATH	4330
Introduction to Analysis II		MATH	4335
<b>Core LPC</b>	<b>3</b>		
Literary Genres		ENGL	2335
Introduction to Mythology		ENGL	2309
British Literature to 1800		ENGL	2322
British Literature from 1800		ENGL	2323
American Literature to 1865		ENGL	2327
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