

BACHELOR OF ARTS/SCIENCE

COMPUTER SCIENCE: Software Engineering

2024-2025

GENERAL EDUCATION CORE	REQ	COMP	NEED	
Written Communication				
ENGL 101 & 102	6			
ENGL 109				
Oral Communication - Choose 1				
COMM 101, 203, 204	3			
Mathematical Ways of Knowing - Choose 1				
MATH 143, 147, 153, 170, 253, or MTHPT 153	3-5			
Humanistic & Artistic Ways of Knowing - Choose 2 from 2 categories				
ENGL 175, ENGL 257, ENGL 258, ENGL 260, ENGL 261 OR	6-7			
NP 101, NP 102, SPAN 101, SPAN 102 OR				
ART 100, HUM 101,150, MUS 101,102,150,151,152,THEA 101				
Scientific Ways of Knowing				
BIOF 100	3			
Select one of the Following Lab Sciences				
BIOL 100, 120, 175, 227	4			
CHEM 100, 105, 111				
FSCI 101 or GIS 271				
GEOL 101, GEOL 120				
NS 140, NS 174, ID 240				
PHYS 111 or 112, 171, 205, 211				
Social & Behavioral Ways of Knowing Choose 2 from 2 categories				
ANTH 102, 120, 170	6			
ECON 201 or 202				
GEOG 102				
HIST 101,102,111,112				
HRPT 184, 185				
POLS 101, 237, 285				
PSCY 101, 205				
SOC 101,102				
ANTH 360, COMM 345, ENGL 474, ID 300C, KIN 220				
SPAN 201, 202				
Diversity - Choose 1				
ANTH 102, 120, 170, 360		3		
COMM 345, ENGL 258, ENGL 474, GEOG 102				
HIST 101, 102, 111, 112				
HRPT 184 or SS 184 or KIN 220				
NP 101, 102				
POLS 285 or SOC 101				
SPAN 101, 102, 201, 202				
Integrative Seminar: Ethics & Values				
ID 300A-300Z (see course descriptions/options in catalog)	3			
ID 301A				
TOTAL	37-43			
FOREIGN/HERITAGE LANGUAGE				
101	16			
102				
201				
202				
TOTAL	16			

MAJOR COURSES		REQ	COMP	NEED
CITPT 111	Web Development Basics	3		
CITPT 112	Fundamentals of Computer Programming	3		
CITPT 117	Web Design Fundamentals	3		
CITPT 175	Interactive Web Scripting	3		
CITPT 180	Portfolio Design	3		
CITPT 265	Image Editing & Illustration	3		
CITPT 275	Web Authoring Systems	3		
CS 111	Foundations of Programming	4		
CS 211	Computer Science II	4		
CS 226	SQL: Structured Query Language	3		
CS 311	Algorithms & Data Structures	4		
CS 360	Software Engineering	3		
CS 394	Internship in Computer Science	3		
CS 401	Future Professionals Seminar	1		
CS 445	Databases & Knowledge Management	3		
CS 480	Capstone Design Project	4		
MATH 186	Discrete Mathematics	3		
BUS 311	Foundations of Management Theory	3		
BUS 355	Information Systems for Managers	3		
BUS 360	Leadership	3		
CYB 300	Cyber Ethics	3		
CYB 360	Cybersecurity Management	3		
Total		68		
Select 12 credits from:				
Any CITPT, CS, BUS, or CYB course				
Total		12		
GENERAL ELECTIVES				
Any course numbered 100 and above				
TOTAL		3		
SUMMARY				
GENERAL EDUCATION		37		
MAJOR		80		
GENERAL ELECTIVES		3		
TOTAL		120		



MOVE UP
with a business degree