COMPUTER SCIENCE (B.S.)

Integrative Studies Requirements

Minimum 40 credits

Code	Title	Credits	Completed
Major Requirements (58-66 credits)			
Core Requirements:			
ISCS-140	Programming Foundations I	4	
CS-185	Programming Foundations II	4	
CS-265	Computer Architecture	4	
CS-280	Data Structures & Algorithms	4	
CS-355	Computer Networks	4	
CS-360	Database Systems	4	
ISCS-150	Website Design & Construction	4	
or INCS-160	Microcomputer Systems		
CS-215	OS Administration	4	
or CS-320	Operating Systems Design		
CS-293	Supervised Field Experience	2	
or CS-493	Adv Supervised Field Experienc		
*Select **one** of the following:*		*4*	
ISCS-210	Python Programming		
CS-225	C++ Programming		
CS-290	Special Topics (with department approval)		
Mathematics Requirements:			
MATH-111	Applied College Algebra (may be waived by CS Department chair)	4	
MATH-112	Precalculus (may be waived by CS Department chair)	4	
MATH-135	Discrete Mathematics for CS	4	
MATH-211	Calculus I	4	
MATH-141	Introductory Statistics (*recommended but not required)		
MATH-212	Calculus II (*recommended but not required)		
Upper-Level Requirements:			
*Select **three** of the following; **two** must be 400-level courses:*		*12*	
IICS-350	Cybercrime		
IIPHYS-342	Data Analysis for Scientists		
CS-375	Software Engineering		
CS-395	Mobile Device App Programming		
CS-420	E-Commerce Development		
CS-430	Principles Program Languages		
CS-455	Crypt & Network Security		
CS-490	Advanced Special Topics		
CS-495	AI & Robotics		
CS-498	Independent Study		
Total Credits		**66**	

It is strongly recommended for students to consider participating in either CS-297 Internship or CS-497 Advanced Internship.

Electives

Select courses to reach a total of 120 credits for the degree.

Degree Requirements

120 credits
40 credits at the upper-level