

COMPUTER SCIENCE (B.A.)

Integrative Studies Requirements

Minimum 40 credits

Code	Title	Credits	Completed
Major Requirements (50 credits)			_____
<i>Core Requirements:</i>			_____
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	_____
MATH-135	Discrete Mathematics for CS	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		_____
MATH-141	Introductory Statistics (*recommended but not required*)		_____
Select <i>one</i> of the following:		4	_____
ISCS-210	Python Programming		_____
CS-225	C++ Programming		_____
CS-290	Special Topics (with department approval)		_____
Upper-Level Requirements			_____
Select <i>two</i> of the following:		8	_____
IICS-350	Cybercrime		_____
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 (allowed with department approval)	_____
IIPHYS-342	Data Analysis for Scientists	_____
Total Credits		50

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