COMPUTER SCIENCE
Bachelor of Science Degree

Semester 1	Credits	Pre-Requisites
ENG 101 English Comp I	3 credits	
CSI 101 Introduction to Computers	3 credits	
IDS 167 First Year Seminar	3 credits	
CSI 116 Introduction to Programming	3 credits	
CSI 244 Networking I	3 credits	
Total	**15 credits**	

Semester 2	Credits	Pre-Requisites
MAT 103 College Algebra	3 credits	Appropriate Placement Score or Completion of MAT 097
CSA 227 Website Design	3 credits	
ENG 102 English Composition II	3 credits	ENG 101
CSI 107 C++ Programming	3 credits	CSI 116
CSI 226 Unix With Linux	3 credits	
Total	**15 credits**	

Semester 3	Credits	Pre-Requisites
CSA 213 Database Management	3 credits	
CSI 242 Computer Systems Security	3 credits	CSI 244
Natural Science w/ Lab	4 credits	
MAT 113 Pre-Calculus	3 credits	MAT 103 OR Permission of Instructor
CSI 108 Advanced C++	3 credits	CSI 107
Total	**16 credits**	

Semester 4	Credits	Pre-Requisites
MAT 204 Calculus I B	4 credits	MAT 113
CSI 218 Data Structures and Algorithms	3 credits	CSI 108
CSI 235 Computer Architecture	3 credits	CSI 116
History/Government	3 credits	
Social Science/Psychology	3 credits	
Total	**16 credits**	

Semester Path:

Recommended course of study for a full-time student. It is recommended that students speak to an Academic Advisor before registering for courses each semester.

Student Resources:

Academic Advising
617-984-1720

Dean's Office of Liberal Arts
617-405-5920

Dean's Office of Natural and Health Science
617-405-5960

Dean's Office of Nursing
617-405-5990

Dean's Office of Professional Programs
617-405-5920

Financial Aid Office
617-984-1620

Registrar's Office
617-984-1650

Student Accessibility and Academic Support Services
617-405-5915

Quincy College | Academic Division of Professional Programs

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Semester 5	Credits	Pre-Requisites
CSI 313 Advanced Database Management	3 credits	CSA 213
Open Elective*	3 credits	
CSA 229 Web and Mobile Development With JavaScript	3 credits	CSI 116 and CSA 227
CSI 311 Computer Organization	3 credits	CSI 116
Humanities Elective	3 credits	
Total	**15 credits**	

*At least 3 open elective credits must be 300-level or above

**At least 3 program elective credits must be 300-level or above

***Choose six credits from General Education Elective course list, not CSI or CSA, starting page 97. BUS 220 Business Ethics recommended. Three credits must be 300-level or above.

Semester 6	Credits	Pre-Requisites
Open Elective*	3 credits	
CSI 318 Analysis of Algorithms	3 credits	CSI 218
CSI 340 Compiler Theory	3 credits	CSI 218
CSI 317 Operating Systems	3 credits	CSI 218 and CSI 226
MAT 210 Discrete Mathematics	4 credits	MAT 204
Total	**16 credits**	

Semester 7	Credits	Pre-Requisites
CSI 330 Graphics Programming/UI/UX	3 credits	CSI 218 and CSA 227
CSI 480 Artificial Intelligence	3 credits	CSI 218; preq or coreq MAT 210
Open Elective*	3 credits	
Program Elective**	3 credits	
General Education Elective***	3 credits	
Total	**15 credits**	

Semester 8	Credits	Pre-Requisites
General Education Elective***	3 credits	
CSI 490 Software Engineering (Capstone)	3 credits	CSI 218, CSI 226, CSI 330, and CSI 313
Program Elective**	3 credits	
Open Elective*	3 credits	
Total	**12 credits**	