B.S. IN COMPUTER SCIENCE

Code	Title	Credits
Major in Computer Science (B.S.)		
COS 111	Introduction to Programming	4
COS 211	Data Structures	4
COS 235	Computer Systems	4
COS 277	Software Development Fundamentals	4
COS 299	Careers in Mathematics and Computer Science Seminar	0
COS 320	Computer Graphics Programming	4
COS 335	Computer Security	3
COS 341	Computability and Complexity	4
COS 348	Algorithms and Advanced Data Structures	4
COS 371	Organization of Programming Languages	4
COS 450	Humans and Computers	2
COS 490	Topics in Computer Science	4
MAT 124M	Calculus 1 [1]	4
MAT 211	Linear Algebra	4
MAT 242	Introduction to Proofs	2
MAT 248	Mathematics of Computer Science	4
Electives from 300-level or above COS courses (excluding COS 420), MAT 376, PHY 352/PHY 353, or ENR 352/ENR 353 [2]		7
Electives from 200-level or above MAT courses or MAT 125 (excluding MAT 201M and MAT 202)		4

Code	Title	Credits
Major		66
General Education [*]		44-52
Electives		4-12
Total Credits		**122**

[1] Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

[2] MAT 223 or MAT 224 and PHY 296/PHY 297 with a C or higher are prerequisites for PHY 352/PHY 353 and ENR 352/ENR 353.

[*] Courses whose number is followed by a letter fulfill a General Education requirement.
Students may not declare a B.A. in Computer Science and a B.S. in Computer Science.
Students may not declare a B.S. in Computer Science and a Minor in Computer Science.
Students may not declare a B.A. in Computer Science with Software Project Management and a B.S. in Computer Science.