B.S. IN COMPUTER ENGINEERING

Code	Title	Credits
Major in Computer Engineering (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 335	Computer Security	3
COS 386	Data Communications and Computer Networks	3
COS 450	Humans and Computers	2
ENR 160	Introduction to Engineering	2
ENR 306 & ENR 307	Digital Logic and Design and Digital Logic and Design Lab	4
ENR 316 & ENR 317	Analog Circuitry and Design and Analog Circuitry & Design Lab	4
ENR 321	Statistical Methods in Engineering	2
ENR 336	Signals and Systems	4
ENR/PHY 352	Computer Methods in Physics and Engineering	3
ENR/PHY 353	Computer Methods in Physics and Engineering Lab	1
ENR 436 & ENR 437	Microprocessors and Microprocessors Lab	4
ENR 465	Engineering Design Seminar	1
ENR 490	Engineering Design Project	3
MAT 124M	Calculus 1 [1]	4
MAT 125	Calculus 2	4
MAT 223	Multivariable Calculus	4
MAT 224	Differential Equations with Linear Algebra	4
MAT 242	Introduction to Proofs	2
MAT 248	Mathematics of Computer Science	4
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
PHY 302 & PHY 303	Electronics and Electronics Lab	4
Choose one of the following courses:		0-1
COS 299	Careers in Mathematics and Computer Science Seminar	
ENR 260	Careers in Engineering and Physics Seminar	

Code	Title	Credits
Major		86-87
General Education *		40-48
Total Credits		**127-134**

[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.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.S. in Computer Engineering and a Minor in Computer Science.

Students may not declare a B.S. in Computer Engineering and a Minor in Engineering.