

COMPUTER ENGINEERING, BS

Campus: NYC, Westchester

Course	Title	Credits
First Year		
Fall		
UNV 101	First-Year Seminar: Introduction to University Community	1
CS 121	Introduction to Computer Science	4
CS 113	Mathematical Structures for Computer Science	4
ENG 110	Composition	3
Learning Community		6
Credits		18
Spring		
CS 122	Object-Oriented Programming	4
CS 272	Introduction to Unix and C Programming	4
ENG 120	Critical Writing	4
MAT 131	Calculus I	4
Credits		16
Second Year		
Fall		
CS 241	Data Structures and Algorithms	4
CE 201	Fundamentals of Circuits and Electronics	4
PHY 111	General Physics I	4
MAT 132	Calculus II	4
Credits		16
Spring		
CE 202	Digital Circuit Design	4
CS 232	Computer Organization	4
MAT 234	Introduction to Probability and Statistical Analysis	4
PHY 112	General Physics II	4
Credits		16
Third Year		
Fall		
CS 371	Operating Systems and Architecture	4
CE 304	Embedded Software Development	4
ENG 201	Writing in the Disciplines	3
MAT 238	Linear Algebra	4
Language 1		3
Credits		18
Spring		
CE 405	Embedded Systems: Hardware/Software Co-design	4
COM 200	Public Speaking	3
Language 2		3
Civic Engagement		3
Credits		13
Fourth Year		
Fall		
CE 489	Computer Engineering Capstone I	3
CE/CS Elective		4
CE/CS Elective		4

General Core		3
	Credits	14
Spring		
CE 499	Computer Engineering Capstone II	3
CE/CS Elective		4
General Core (2 Courses)		6
	Credits	13
	Total Credits	124