

COMPUTER ENGINEERING, BS

Campus: NYC, Westchester

Major Completion Summary

Requirement	Credits
University Core Requirements	44-55
Major Requirements	52
Open Electives	1-13
Total Credits	120

University Core Requirements (44-55 credits)

See complete University Core (<https://catalog.pace.edu/undergraduate/university-core-curriculum/>) requirements.

*Students pursuing a BS in Computer Engineering are required to complete CS 121 , MAT 131 and PHY 111 from the Foundation Requirements.

Major Requirements (52 credits)

Code	Title	Credits
CS 113	Mathematical Structures for Computer Science	4
CS 121	Introduction to Computer Science	4
CS 122	Object-Oriented Programming	4
CS 232	Computer Organization	4
CS 241	Data Structures and Algorithms	4
CS 272	Introduction to Unix and C Programming	4
CS 371	Operating Systems and Architecture	4
Computer Engineering		
CE 201	Fundamentals of Circuits and Electronics	4
CE 202	Digital Circuit Design	4
CE 304	Embedded Software Development	4
CE 405	Embedded Systems: Hardware/Software Co-design	4
Computer Engineering Capstone		
CE 489	Computer Engineering Capstone I	3
CE 499	Computer Engineering Capstone II	3
Advanced Major Electives - Choose three:		
CE/CS Elective		4
CE/CS Elective		4
CE/CS Elective		4
Total Credits		52

Open Electives (1-13 Credits)

Code	Title	Credits
Select 1-13 credits		1-13