

POST-BACCALAUREATE PROGRAM IN COMPUTER SCIENCE

Since the fall of 1982, Mills has provided a certificate program in computer science for college graduates, especially women, who intend to pursue employment, advancement, or graduate studies in computer science and need to acquire the proper background.

The Mills post-baccalaureate program has two tracks for students with different goals. The post-baccalaureate certificate program, for students interested in entering the professional computing workforce, has no programming or mathematics prerequisites. The advanced-degree preparatory track is for students whose goal is further graduate study (MS or PhD) in computer science and has the same special admission requirements as the MA program in interdisciplinary computer science. This small program offers support and personal attention while students study computer science. It also provides substantial opportunity for hands-on experience with programming on a variety of computer systems. Each student's course of study is tailored to individual needs and includes independent study options.

Requirements

Code	Title	Hours
Required		32
CS 063	Introduction to Computer Science	4
CS 064	Computer Concepts and Intermediate Programming	4
CS 111	Computer Architecture	4
CS 124	Data Structures and Algorithms	4
MATH 004	Discrete Mathematics I	4
Select three courses from the following: ¹		8
CS 100		
CS 113	Compiler Design and Implementation	
CS 141	Machine Learning	
CS 214/114	Programming Languages	
CS 215/115	Mobile Application Development	
CS 225/125	Theory of Algorithms	
CS 227/127	Linear Optimization	
CS 228/128	Theory of Computation	
CS 231/131	Computer Networks	
CS 233/133	Cryptography and Network Security	
CS 270/170	Software Engineering	
CS 280/180	Topics in Computer Science ²	
CS 286/186	Web Programming	

¹ Other elective courses may be accepted at the discretion of the department.

² Check the course descriptions (<https://catalog.mills.edu/graduate/programs/computer-science/#coursestext>) to see which special topics courses will be offered.