WEB PROGRAMMING AND APPLICATIONS (MINOR)

Department Website (http://cs.nyu.edu/)

Program Description

Computing plays an increasingly important role in almost all fields. It is a very diverse discipline that comprises both theory and applications and incorporates the design and analysis of computing technology. The Department of Computer Science is part of the Courant Institute of Mathematical Sciences, a world-renowned center for the study of mathematics and computer science.

The department offers four major programs: the computer science major, the joint computer science/data science major, the joint economics/computer science major, and the joint mathematics/computer science major. The department also offers three minor programs: the computer science minor, the web programming and applications minor, and the joint mathematics/computer science minor. The goal of the majors is to train students in fundamental principles of computer science as well as many practical aspects of software development. Courses combine practical programming experience with techniques for analyzing problems and designing computer algorithms. The goal of the minors is to train students to be proficient users of computers and computer software with less emphasis on the underlying technology and mathematical tools.

Advanced undergraduate students can work on a variety of research projects with the faculty. Outstanding undergraduates may pursue a master's degree through an accelerated five-year program.

Minor Declaration

To request declaration of a minor, CAS students should visit the host department. To request declaration of a cross-school minor, CAS students should complete the online Minor Application available in their Albert Student Center. Students may also use the Minor Application (http://www.nyu.edu/students/student-information-and-resources/registration-records-and-graduation/registration.html) in Albert to request cancellation of a CAS or cross-school minor.

Program Requirements

The minor requires the completion of 16 credits with a grade of C or better. The prerequisite for declaring this minor is completion of either (1) CSCI-UA 2 Introduction to Computer Programming (No Prior Experience) or CSCI-UA 3 Introduction to Computer Programming (Limited Prior Experience) (depending on placement) or (2) CSCI-UA 4 Introduction to Web Design and Computer Principles with a grade of C or better.

Course	Title	Credits
Minor Requirements		
CSCI-UA 2	Introduction to Computer Programming (No Prior Experience)	4
or CSCI-UA 3	Introduction to Computer Programming (Limited Prior Experience)	
CSCI-UA 4	Introduction to Web Design and Computer Principles	4
CSCI-UA 61	Web Development and Programming	4
Select any more advanced course in this department for which a student meets the prerequisites [1]		4
Total Credits		**16**

[1]

For example: CSCI-UA 380 Topics of General Interest:, CSCI-UA 381 Programming Tools for the Data Scientist, or CSCI-UA 101 Intro to Computer Science.

Policies
Declaration of Major or Minor

Students must complete either CSCI-UA 101 or 102 (depending on placement) with a grade of C or better before they can declare the major or minor in computer science; the joint majors with economics and mathematics; and the joint minor with mathematics. To declare the joint major in computer and data science, students must first meet this prerequisite and also complete either DS-UA 111 or 112 (depending on placement) with a grade of C or better. To declare the minor in web programming and applications, students must first complete their choice of either (1) CSCI-UA 2 or 3 (depending on placement) or (2) CSCI-UA 4 with a grade of C or better. These policies apply to all NYU students, not just to those matriculated in CAS.

NYU Policies

University-wide policies can be found on the New York University Policy pages (https://bulletins.nyu.edu/nyu/policies/).

College of Arts and Science Policies

A full list of relevant academic policies can be found on the CAS Academic Policies page (https://bulletins.nyu.edu/undergraduate/arts-science/academic-policies/).