

# COMPUTER SCIENCE (MINOR)

## Program Description

Computer Science is a practical art that has led to revolutionary innovations in entertainment, the humanities, health, business, the news media, communications, education, scientific research, and the arts. It is also a science rooted in mathematics and engineering. Although it is a relatively young field, computer science has produced many of the advances in modern life that we now take for granted. It has given medical researchers tools to understand and cure diseases, enabled physicists to reshape our understanding of the universe, allowed neuroscientists to uncover the secrets of our brains, and helped biologists decipher the human genome. Computer Science has rewritten the rules of the entertainment industry and has transformed the way humans communicate with each other.

The minor in Computer Science provides a focused learning experience that emphasizes the design and analysis of algorithms incorporating appropriate data structures, the realization of these algorithms and data structures by means of programming languages, and the honing of programming skills through a variety of programming projects. The minor requires completion of five courses: Introduction to *Computer Science*, *Discrete Mathematics*, *Data Structures*, *Algorithms*, and one Computer Science elective.

## Admissions

New York University's Office of Undergraduate Admissions supports the application process for all undergraduate programs at NYU. For additional information about undergraduate admissions, including application requirements, see How to Apply (<https://www.nyu.edu/admissions/undergraduate-admissions/how-to-apply.html>).

## Program Requirements

Course	Title	Credits
<b>Required Courses</b>		
CS-UH 1001	Introduction to Computer Science	4
CS-UH 1002	Discrete Mathematics	4
CS-UH 1050	Data Structures	4
CS-UH 1052	Algorithms	4
<b>Elective</b>		
Select one elective from within the Computer Science major		4
<b>Total Credits</b>		<b>20</b>

## Policies

### NYU Policies

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

### NYU Abu Dhabi Policies

A full list of relevant policies can be found on NYU Abu Dhabi's undergraduate academic policies page (<https://bulletins.nyu.edu/undergraduate/abu-dhabi/academic-policies/>).