

GENOMICS AND BIOINFORMATICS (MINOR)

Department Website (<http://as.nyu.edu/biology/>)

Program Description

The science of biology aims to understand the workings of life in all its varied forms. The Department of Biology is home to world-class laboratories with faculty dedicated to pushing the frontiers of knowledge and educating the next generation of scientists and biomedical professionals. Research and teaching span the range of modern biology, from microbes to multicellular animals and plants, and from molecular and cellular processes to genetics, development, behavior, and evolution.

The department offers four minors in biology designed to hone skills in one of four contemporary areas:

- Molecular and Cell Biology
- Genetics
- Genomics and Bioinformatics
- Environmental Biology

Students interested in one of the minors offered in biology should consult the director of undergraduate studies as early as possible to plan a course of study that meets their needs.

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 (<https://www.nyu.edu/students/student-information-and-resources/registration-records-and-graduation/forms-policies-procedures.html>) in Albert to request cancellation of a CAS or cross-school minor.

Program Requirements

This minor requires the completion of five 4-credit courses plus one 1-credit lab (21 credits) with a grade of C or better (courses graded Pass/Fail do not count).

Course	Title	Credits
Minor Requirements		
BIOL-UA 11	Principles of Biology I	4
BIOL-UA 12	Principles of Biology II	4
BIOL-UA 21	Molecular and Cell Biology I	4
BIOL-UA 123	Principles of Biology Laboratory	1
or BIOL-UA 223	Molecular and Cell Biology Laboratory	
Select one of the following:		4
BIOL-UA 38		
BIOL-UA 103	Bioinformatics in Medicine and Biology	
BIOL-UA 124		
Select one of the following:		4
BIOL-UA 44	Microbiology and Microbial Genomics	
BIOL-UA 120		
BIOL-GA 1007	Programming for Biologists	

BIOL-GA 1009	Biological Databases & Datamining
BIOL-GA 1127	Bioinformatics & Genomes
BIOL-GA 1128	Systems Biology
BIOL-GA 1130	Appl Genomics: Intro to Bioinformtcs &Network Mod

Total Credits 21

Policies

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/>).