

NATURAL SCIENCE

Associate of Science Degree

Quincy College | Academic Division

Program Description

This program is for students who desire a broad study in the natural science disciplines that include biology, chemistry, physics, and the health sciences. The natural science curriculum is designed to prepare students for careers in a variety of fields in science and industry including the life sciences, education, conservation, and as technicians in laboratory research. The program includes a three-semester math component to prepare students for the computational rigors required to be successful in the sciences. The skills acquired by natural science majors contribute greatly to their ability to work in teams and think critically. This program provides the foundation for students who plan to attend a four-year institution and major in a science area.

Program Outcomes

At the completion of this program, the student should be able to:

- Think critically using the scientific method and scientific reasoning.
- Communicate scientific information (orally and in writing) and work as part of a team to carry out project-based activities.
- Use laboratory investigations and appropriate procedures to generate accurate and meaningful quantitative data and derive reasonable conclusions from them.
- Demonstrate technical, equipment, and measurement skills essential to basic scientific inquiry.

ADDITIONAL INFORMATION

(*) Indicates course requires the completion of a prerequisite

Natural Science: Recommended to complete BIO 111.

MAT 106, 209, and 210 will only be accepted as transfer credits.

NOTE: All classes are offered in the fall and the spring unless otherwise designated:

F=Class is only offered in the Fall

S=Class is only offered in the Spring

C=Contact Advising at 617-984-1720 for more information.

Course / Credit Information

General Education Requirements 25 credits	Credits
CSI 101 Introduction to Computers	3 credits
ENG 101 English Composition I	3 credits
ENG 102 English Composition II*	3 credits
History/Government	3 credits
IDS 167 First Year Seminar	3 credits
MAT 103 College Algebra	3 credits
Natural Science w/ Lab ²	4 credits
Social Science/Psychology	3 credits

Program Requirements 36 credits	Credits
Math Electives	6-8 credits
Open Electives	9 credits
Program Electives (see below)	20 credits

Total credits required for graduation 60 - 62 credits

Program Electives	Credits
BIO 106 Nutrition w/Lab	4 credits
BIO 111 General Biology I w/Lab	4 credits
BIO 112 General Biology II w/Lab*	4 credits
BIO 131 Anatomy & Physiology I w/Lab*	4 credits
BIO 132 Anatomy & Physiology II w/Lab*	4 credits
BIO 160 Marine Ecology w/Lab	4 credits
BIO 204 Genetics w/Lab*	5 credits
BIO 251 Microbiology w/Lab*	4 credits
CHE 103 Intro to Forensic Science w/Lab	4 credits
CHE 121 General Chemistry I w/Lab*	4 credits
CHE 122 General Chemistry II w/Lab*	4 credits
CHE 141 Introduction to Chemistry w/Lab*	4 credits
CHE 213 Organic Chemistry I w/Lab*	5 credits
CHE 214 Organic Chemistry II w/Lab*	5 credits
ENV 101 Intro to Environmental Studies w/Lab	4 credits
PHY 111 General Physics I w/Lab*	4 credits
PHY 112 General Physics II w/Lab*	4 credits
EXP 297 Internship I	3 credits

NATURAL SCIENCE

Associate of Science Degree

COURSE FLOW

Semester 1	Credits	Pre-Requisites
BIO 111 General Biology I w/lab	4 credits	
Computers Science	3 credits	
ENG 101 English Composition I	3 credits	
IDS 167 First Year Seminar	3 credits	
Math Elective (MAT 103 or higher)	3 credits	
Total	16 credits	

Semester 2	Credits	Pre-Requisites
ENG 102 English Composition II	3 credits	ENG 101
History/Government	3 credits	
Math Elective	3 - 4 credits	
Program Elective	4 credits	
Open Elective	3 credits	
Total	16 - 17 credits	

Semester 3	Credits	Pre-Requisites
Social Science/Psychology	3 credits	
Math Elective	3 - 4 credits	
Program Elective	4 credits	
Program Elective	4 credits	
Total	14-15 credits	

Semester 4	Credits	Pre-Requisites
Program Elective	4 credits	
Program Elective	4 credits	
Open Elective	3 credits	
Open Elective	3 credits	
Total	14 credits	

Semester Path

Recommended course of study for a full-time student. It is recommended that students speak to an Academic Advisor before registering for courses each semester.

Student Resources

Academic Advising
617-984-1720

Dean's Office of Liberal Arts & Professional Programs
617-405-5920

Dean's Office of Allied Health & Natural Science
617-405-5960

Dean's Office of Nursing
617-405-5990

Financial Aid Office
617-984-1620

Registrar's Office
617-984-1650

Student Accessibility and Academic Support Services
617-405-5915