



Plant Science

Associate in Science Degree

Program **PLANT.SCI.AS**
CIP 011101

The Plant Science program prepares students for the junior year of study at a college or university offering such fields as horticulture, botany, conservation, environmental science, ecology, and forestry. Horticulture students who plan to pursue a baccalaureate degree should consider this alternative.

Facilities to support the program include well-equipped biology and chemistry laboratories, a modern greenhouse complex, and an extensive woody plants collection throughout the 292-acre West Windsor Campus. Occasional field trips to Longwood Gardens, the New Jersey Pine Barrens, Marquand Park, and elsewhere offer additional opportunities for specialized study of plant specimens.

PROGRAM OUTCOMES

- Explain the structures and processes related to plant growth and function;
- Identify common insects, diseases, and woody plants found in our region;
- Understand key environmental issues as they relate locally, nationally, and globally;
- Exhibit proficiency in the laboratory and in the field by using standard equipment and measurement and observation techniques that allow one to gather, analyze, and interpret qualitative and quantitative data;
- Transfer and successfully pursue a baccalaureate degree in a related field.

Admission to the Plant Science program requires a high school diploma or its equivalent with at least one year of science (biology or chemistry) and two years of algebra.

Curriculum

Code	Course (lecture/lab hours)	Credits
FIRST SEMESTER		
ENG 101	English Composition I (3/0)	3
BIO 101	General Biology I (3/3)	4
CHE 101	General Chemistry I (3/3)	4
OHT 101	Plant Science (2/2)	3
CMN 111	Speech: Human Communication (3/0) OR	3
CMN 112	Public Speaking (3/0)	
SECOND SEMESTER		
ENG 102	English Composition II (3/0)	3
MAT 146	Pre-Calculus (4/0)	4
BIO 102	General Biology II (3/3)	4
CHE 102	General Chemistry II (3/3)	4
THIRD SEMESTER		
BIO 203	Entomology (3/3)	4
BIO 204	Ecology (3/3)	4
OHT 204	Plant Diseases (2/2)	3
— —	Social Science general education elective	3
FOURTH SEMESTER		
BIO 202	Woody Plants (3/3)	4
OHT 108	Soil and Plant Nutrition (3/3)	4
HPE 110	Concepts of Health and Fitness (1/2)†	2
— —	Humanities general education elective	3
— —	General Education elective ¹	3
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¹ Select course from either Social Science or Humanities general education categories.

†CSW 100 is a preferred alternative; HPE 111 is an acceptable alternative.