

Plant Science

Program 22600
CIP 011101

Associate in Science Degree

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 elect 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.

Successful graduates of the program will be able to:

- 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
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)	3
	OR	3
CMN 112	Public Speaking (3/0)	3
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ENG 102	English Composition II (3/0)	3
MAT 146	Pre-Calculus Mathematics (4/0)	4
BIO 102	General Biology II (3/3)	4
CHE 102	General Chemistry II (3/3)	4
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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
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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.
†HPE 111 is an acceptable alternative.

