

2023-2024 Academic Year

Plant Science

Associate in Science Degree (A.S.)

B-STEM Division Business, Science, Technology, Engineering and Math 609.570.3482 admiss@mccc.edu

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.

SEE ALSO:

Biology degree program

Ornamental Horticulture degree program

Ornamental Horticulture certificate program

DEGREE CURRICULUM

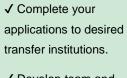
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The course sequence below represents a recommended example of how this degree program can be completed in two years, presuming a Fall Term start and satisfaction of all Developmental Studies (foundation courses) requirements and prerequisites. Actual approaches toward completion depend on each student's anticipated transfer institution, career objectives, or other individual circumstances.

Students are encouraged to meet regularly with an academic advisor or Success Coach to consider options, establish plans, and monitor progress.

Code	Course (lecture/lab hours)	Credits	To Do This Semester
FIRST SE	MESTER		
BIO 101	General Biology I (3/3)	4	✓ Meet with your faculty advisor to complete an
ENG 101	English Composition I (3/0)	3	academic plan. Make sure you are aware of any
OHT 101	Plant Science (2/2)	3	course prerequisites you may need to take, and how
-	Humanities general education elective	3	long it will take to complete your degree.
	Social Science general education elective	3	✓ Use your online tools: Check your MercerMail daily, utilize features of Office 365, and get to know Student Planning. ✓ Take advantage of Learning Centers or Online Tutoring to support your studies and assignments.

CECOND	SEMESTED		
SECOND	SEMESTER		
BIO 102	General Biology II (3/3)	4	✓ Transitioning to college can be challenging. Meet
CMN 111	Speech: Human Communication (3/0)		with your Success Coach for
	OR	3	✓ apply for <u>financial aid</u> by
CMN 112	Public Speaking (3/0)		May 1.
ENG 102	English Composition II (3/0)	3	✓ Contact professors with questions and use their
MAT 146	Pre-Calculus (4/0)	4	office hours to develop a connection.
			✓ Apply for Continuing Student scholarships at www.mccc.edu/mscholarships. ✓ Begin attending college transfer events and visit campuses. Be sure to visit the Transfer Services and Career Services offices to get to know how the transfer process works and to explore career options. ✓ Plan for how you will complete transfer applications while finishing your classes.
THIRD SE	EMESTER		
BIO 203	Entomology (3/3)	4	✓ Keep in contact with
BIO 204	Ecology (3/3)	4	each professor and your faculty advisor. Make sure
CHE 101	General Chemistry I (3/3)	4	you are on track to graduate.
OHT 204	Plant Diseases (2/2)	3	



- ✓ Develop team and leadership skills by getting involved in activities and clubs.
- ✓ Manage your stress!

 Take advantage of the

 MCCC pool, <u>Fitness Center</u>,
 free yoga and Zumba.

 Reach out for <u>counseling</u> or
 other support if you need
 it. Your <u>Success Coach</u> can
 connect you with
 resources.

FOURTH SEMESTER					
BIO 202	Woody Plants (3/3)	4	✓ Apply for <u>financial aid</u> by		
CHE 102	General Chemistry II (3/3)	4	✓ Talk to your faculty		
OHT 108	Soil and Plant Nutrition (3/3)	4	advisor and the <u>Transfer</u> office for advice on how to		
	Social Science or Humanities general education elective	3	successfully transition to a new school.		
			✓ Apply for Graduating		
			Student scholarships at www.mccc.edu/m-scholarships .		

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NOTE: Plant Science majors must earn a minimum grade of C in all BIO and OHT courses.