

PLANT SCIENCE (AS-T DEGREE S0420)

Program Learning Outcomes

Review [Student Learning Outcomes \(SLOs\)](#) for this program.

Natural Science Division

Plant Science includes topics such as propagation, plant production practices, nursery operations, soil science, plant pest and disease control, and landscape management. The Associate in Science in Plant Science for Transfer prepares students with the foundational knowledge necessary to pursue post-secondary degrees in Plant Science and careers within a variety of specializations in the field. The Associate in Science in Plant Science for Transfer is designed to assist students in seamlessly transferring to a CSU major in Plant Science.

To earn an Associate in Science in Plant Science for Transfer, a student must complete a minimum of 60 semester units that are eligible for transfer to the CSU system that consist of the IGETC pattern or CSU GE breadth and a major of at least 18 units more. Students must have a minimum GPA of 2.0 in all CSU-transferable coursework to receive an associate degree for transfer and all courses in the major must be completed with a C or better. Students earning an associate degree for transfer will not be required to complete any other local graduation requirements.

Required Courses

Course Prefix	Course Name	Units
Core Courses		
AGOR 50	Soil Science and Management	3
CHEM 50	General Chemistry I	5
or CHEM 50H	General Chemistry I - Honors	
BUSC 1B	Principles of Economics - Microeconomics	3
or BUSC 1BH	Principles of Economics - Microeconomics - Honors	
MATH 110	Elementary Statistics	3
or MATH 110H	Elementary Statistics - Honors	
AGOR 1	Horticultural Science	3
List A		
Choose one course from the following:		3
AGOR 2	Plant Propagation/Greenhouse Management	
AGOR 29	Ornamental Plants - Herbaceous	
AGOR 30	Ornamental Plants - Trees and Woody Shrubs	
AGOR 51	Tractor and Landscape Equipment Operations	
List B		
Select any course not already used above, or none or one course from the following list:		0-3
AGAG 1	Food Production, Land Use, and Politics - A Global Perspective	
AGOR 32	Landscaping and Nursery Management	
AGOR 71	Construction Fundamentals	
AGOR 72	Landscape Hardscape Applications	
Total Units for the Major		20-23
CSU General Education or IGETC Pattern ¹		39-42
Total Units		60

¹ Course may be double-counted with either CSU-GE or IGETC.

Guided Pathways of Study Suggested Course Sequence (<https://www.mtsac.edu/guided-pathways/pathway-results.html?pthwyvar=S0420&desc=Plant+Science%2C+AS-T+S0420>)