

AGRICULTURAL SCIENCE AND TECHNOLOGY (AS DEGREE S0853)

Agricultural Sciences Website (<https://www.mtsac.edu/agriculture/>)
Horticulture Website

Program Learning Outcomes

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.

Natural Sciences Division

Degree S0853

The A.S. in Agricultural Science and Technology is designed to enable students to prepare for a career in this essential and diverse profession.

It is also ideal for those who desire a career in agricultural education.

The curriculum is flexible in nature to allow for previous experience and specialization in a given area of agriculture. The program is unique in that most courses provide hands-on experiences designed to give the students a combination of practical skills and technical knowledge.

This program is intended to prepare students for employment following graduation or to transfer to a university. Students desiring a bachelor's degree should consult with the department chairperson, counselor or advisor to discuss transferability of courses.

Upon completion of the A.S. in Agricultural Science and Technology degree students will understand the foundations of agriculture, animal production practices, plant production practices, soil science, crop nutrition, crop pest and disease control, and the operation of agricultural equipment. Students will be prepared for careers within a wide variety of specializations in the field of agriculture. This degree also prepares students with the foundational knowledge necessary to pursue baccalaureate degrees in Agriculture, Agricultural and Environmental Plant Sciences, Agricultural Science, Animal Science, Plant Science, Agriculture Education, Agriculture Studies or related majors.

Required Courses

Course Prefix	Course Name	Units
AGAG 1	Food Production, Land Use, and Politics - A Global Perspective	3
AGOR 1	Horticultural Science	3
AGOR 2	Plant Propagation/Greenhouse Management	3
AGOR 50	Soil Science and Management	3
AGOR 51	Tractor and Landscape Equipment Operations	3
ASCI 1	Animal Science	3
ASCI 2	Animal Nutrition	3
ASCI 2L	Animal Nutrition Laboratory	0.5
Choose three courses from the following:		9
AGOR 13	Landscape Design	
AGOR 24	Integrated Pest Management	
AGOR 32	Landscaping and Nursery Management	
AGOR 39	Turf Grass Production and Management	
AGOR 53	Small Engine Repair I	
AGOR 62	Irrigation Principles and Design	
AGOR 71	Construction Fundamentals	
ASCI 14	Swine Production	
ASCI 16	Horse Production and Management	
ASCI 17	Sheep Production	
ASCI 30	Beef Production	
ASCI 51	Animal Handling and Restraint	
WELD 40	Introduction to Welding	
Total Units		30.5

Animal Science Website (<https://www.mtsac.edu/animal/>)