

# ASSOCIATE OF SCIENCE IN AGRICULTURE TECHNOLOGY (AS)

This degree allows students to choose their path for entry-level employment in the field of Agriculture Technology or Agriculture Irrigation through the study of agriculture equipment maintenance and repair, basic equipment construction and fabrication or through the study of irrigation systems, pumps, wells, valves, and system automation. Students will acquire skills in uses of tools and equipment necessary for modern farming operations.

## Program Outcomes

- Students will demonstrate safe habits in the workplace.
- Students will demonstrate the necessary technical skills as accepted by the industry.

## Career Opportunities

Upon successful completion of this degree, students will be prepared for careers or employment in the following fields: general agriculture, sales and service of agriculture equipment, equipment manufacturing, agriculture mechanics, agriculture irrigation technician.

## Note

This degree is not designed for transfer; however, the courses included in this degree may be transferable and apply to other degrees designed for transfer.

## Program Requirements

Code	Title	Units
GENERAL EDUCATION AND SUBJECT REQUIREMENTS		25
College of the Sequoias' Associate Degree General Education (COS-GE)		
+		
REQUIRED MAJOR COURSES		9
AGTC 106	Agriculture Welding	3
PLSI 108	Ag Water Management	3
WEXP 193F	Agriculture Work Experience – First Semester	3
+		
RESTRICTED ELECTIVES		21
Select 21 units from the following courses:		
AG 001	AG, Society, & the Environment	3
AG 107	Agriculture Education Orientation	3
AG 110	Ag Leadership	3
AGTC 103	Farm Power	3
AGTC 201	Small Engines	3
AGTC 210	Agriculture Project Construction	3
or AGTC 202	Farm Equipment Construction	
AGTC 219	Irrigation System Design	3
AGTC 220	Irrigation Pumps	3
AGTC 222	Ag Irrigation Systems	3
AGTC 225	Compact Diesel Engines	3

AGMT 108	Ag Business Computer Applications	3
AGMT 201	Introduction to Food Safety Management	3
ASCI 202	Applied Food Safety Management	3
ESCI 055	Introduction to Geographic Information Systems	3
DRFT 114	Introduction to CAD	4
DRFT 115	Advanced CAD	4
PLSI 118	Advanced Irrigation	3
+		
ELECTIVES		5
=		
TOTAL		60

The Associate Degree requirements include completion of the:

1. Required major courses and restricted elective courses with a "C" or better grade in each course (required and restricted elective courses may be substituted with the approval of the Division Chair),
2. General Education requirements,
3. Subject requirements including PE, Health & Wellness, and American Institutions, and
4. A minimum of 60 units of degree applicable courses numbered 1-299, at least 12 of which must be taken in residence at College of the Sequoias, with a "C" (2.0) average (see Associate Degree Requirements (<https://catalog.cos.edu/associate-degree-requirements/>) for additional details).