

# AGRICULTURE PLANT SCIENCE

## PROGRAM

- Associate in Science for Transfer (A.S.-T)

### DESCRIPTION

The Associate in Science in Agriculture Plant Science for Transfer degree aligns with the CSU Bachelor of Science in Plant Science. The Associate in Science in Agriculture Plant Science for Transfer degree is designed to provide students with the common core of lower division courses required to transfer and pursue a baccalaureate degree in Plant Science. For detailed requirements for individual four-year institutions, students should contact the transfer institution and meet with a counselor for specific transfer course requirements in their major.

### LEADS TO CAREER OPPORTUNITES SUCH AS:

- Agronomist
- Biotechnologist
- Field Advisor
- Greenhouse Manager
- Soil Scientist



## HARTNELL COLLEGE

### TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Hartnell College counselor to develop a student education plan before beginning their program.

### TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information - <http://www2.calstate.edu>

### FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

# AGRICULTURE PLANT SCIENCE FOR TRANSFER (AST.APS)

## ASSOCIATE IN SCIENCE FOR TRANSFER

**Program Outcomes:** Upon successful completion of this program a student will be able to:

- identify food and fiber crops and their economic importance to the local and state economy.
- understand the relationships between plant, soil, and water, and their impact on plant health, nutrition and the environment.
- identify common problems in crop production and provide recommendations to improve quality and yields.

### Required Major Courses (21-24 units)

<input type="checkbox"/> ABT-90 – Soil Science	3.0
<input type="checkbox"/> CHM-22 – Introduction to Chemistry	4.0
<b>OR</b>	
CHM-1A – General Chemistry	5.0
<input type="checkbox"/> ABT-53 – Agribusiness Economics	3.0
<b>OR</b>	
ECO-5 – Principles of Microeconomics	3.0
<input type="checkbox"/> MAT-13 – Elementary Statistics	5.0
<input type="checkbox"/> ABT-92 – Plant Science	3.0
<input type="checkbox"/> MFGT-71 –Agricultural and Industrial Equipment	3.0
<b>OR</b>	
CHM-12A – Organic Chemistry	5.0

**SUBTOTAL: 21-24 UNITS**

### General Education –Required Courses

*Students must complete the following General Education Plans:*

**CSU-GE (see page 63) 39 units**

**IGETC (see page 65) 37 units**

*Students can double-count required courses and courses for General Education*

**■ Electives (Courses Numbered 1-99) required when degree units plus GE units total fewer than 60.**

**TOTAL: 60 UNITS**



**A Degree With A  
Guarantee.com**  
*Associate Degree  
for Transfer*

In order to earn this degree, students must complete the Associate Degree for Transfer Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University GE – Breadth Requirements (CSU GE-Breadth).
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0

ADTs include (AA-T) and (AS-T) degrees. The law authorizing these degrees also requires that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.