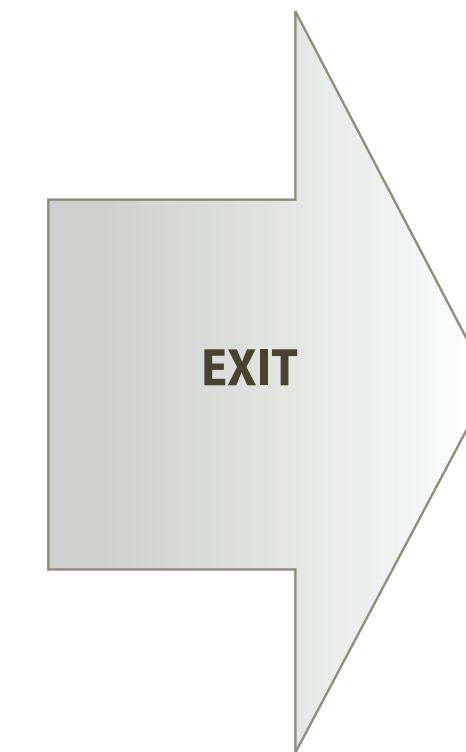
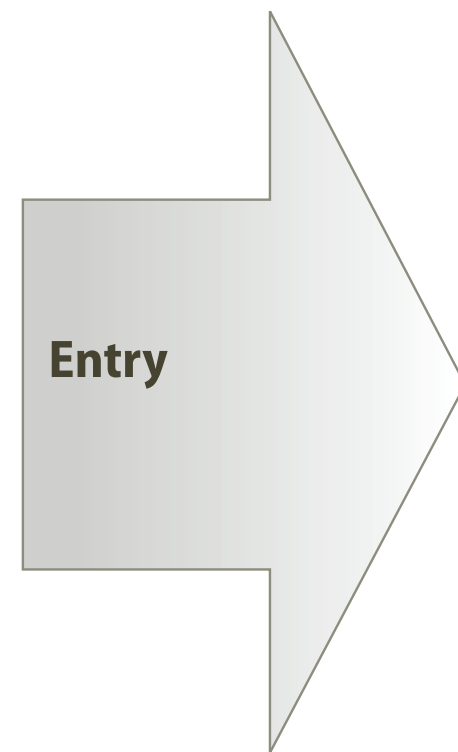


# Agriculture Plant Science–AST

## PROGRAM LEARNING OUTCOMES

Students completing this program will be able to

1. Recognize and remediate soil properties in terms of chemistry, plant growth requirements, erosion, organic content, pore space and carbon sequestration.
2. Produce plants using sexual and asexual methods of propagation, identifying water, nutrient, light, pH and temperature requirements per crop to produce crop production cost estimates.
3. Evaluate, formulate, and apply needed nutrients for specific crops grown on given soils on a seasonal basis.
4. Demonstrate pest problem solving skills through data analysis of biological and environmental factors.
5. Describe how markets function as applied to plant science.



## Careers in

- Landscape installation
- Maintenance of plants
- Plant propagation
- Nurseries
- Preparation for transfer for BA in horticulture, plant science, or agriculture

Required  
 Elective  
 IGETC category  
 \* Must take both as equivalent to C-10 AG-EH 116L  
 \*\* This course has prerequisites.

Complete 60 degree applicable units along with completion of all required general education requirements. It is highly recommended that you see a counselor for specific courses that will best meet your educational plan/goals. Not all courses on the map are offered every term. Consult the Catalog and the Schedule of Classes for more details.

For information about transferring, see:  
<https://www.dvc.edu/enrollment/transfer/index.html>

For information on careers in this field see:  
<https://www.dvc.edu/enrollment/career-employment/index.html>