

# Plant Science

## ASSOC OF SCIENCE

**Major code:** 1005  
**Department:** Ag & Natural Resources  
**Chair:** Sandra Porter  
**Advising:** Mary Ridout 541-881-5977

### PROGRAM OVERVIEW

This program is housed within the Agriculture and Natural Resources department. This is an Associate of Science transfer degree designed to transfer to regional plant science, crop science, and horticulture for-year programs while providing students with the technical skills for employment in regional crop, seed, and horticulture industries.

### PROGRAM/DISCIPLINE OUTCOMES

- Student who complete this area of study will be prepared to:
- Explain the economic and environmental importance of crop plants regionally, nationally, and globally.
  - Define anatomical functions and major growth processes in plants.
  - Grow and propagate agronomic and horticultural crop plants in both field and greenhouse settings.
  - Describe soil physical, chemical, and biological processes in relation to plant production.
  - Apply Integrated Pest Management principles to control pests, diseases, and weeds in crop production.
  - Manage agronomic and horticultural crop production from seed to marketing.

### FOUNDATION SKILLS REQUIREMENTS (16 CREDITS)

WR 121Z = 4  
 WR 122Z = 4  
 COM 111Z = 4  
 MATH 111Z = 4 (or higher)

### DISTRIBUTION REQUIREMENTS (27 CREDITS)

Arts and Letters = 6  
 Social Science = 6  
 Lab Science = 15 (3 classes of Bio 211, 212, 213 OR CHEM 221, 222, 223)

### CULTURAL LITERACY REQUIREMENTS

One course selected from the Cultural Literacy List (min-3 credits)

### REQUIRED COURSES (48 CREDITS)

Courses are listed in suggested sequence.

#### YEAR 1

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
- AG 207	AGRICULTURE SEMINAR.....	1
- AREC 211	MANAGEMENT IN AGRICULTURE.....	4
- AREC 281	GLOBAL AGRICULTURAL MARKETS.....	3
- CSS 200	PRINCIPLES OF CROP SCIENCE.....	4
- CSS 240	INTRO TO NOXIOUS WEEDS.....	3
- HORT 111	INTRO TO PLANT GROWTH.....	3
- HORT 211	PLANT PROPAGATION.....	3
- HORT 220	INTRODUCTORY PLANT BIOLOGY.....	4
- NATR 103	APPLIED BOTANY.....	3

#### YEAR 2

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
- AG 201	CURRENT ISSUES IN AGRICULTURE.....	2
- CSS 205	GENERAL SOILS.....	4
- CSS 207	BIOTECHNOLOGY.....	3
- CSS 211	INTEGRATED PEST MANAGEMENT.....	4
- CSS 215	SOIL NUTRIENTS & FERTILIZER.....	3
- HORT 225	GREENHOUSE MANAGEMENT.....	4

**Total number of credits.....** 93

### ELECTIVES (2 CREDITS)

Ag Electives