

Crop Biotechnology Minor
Agronomy Minor
Soil Science Minor
Ornamental Horticulture Minor
Horticulture Minor

Published May 2007

Effective for students beginning degree Summer Sem. 2007 thru Spring Sem. 2008

Note: Courses shown on this sheet with a PSB prefix will be taught under a PSC prefix, effective Spring Semester 2008.

Crop Biotechnology Minor
(16 credits required)

The following two courses are required:

	Credits
<input type="checkbox"/> PLSC 3700 Plant Propagation (F)	4
<input type="checkbox"/> PLSC 5750 Crop Biotechnology (Sp odd)	2

Select the balance of credits from the following courses:

<input type="checkbox"/> PLSC 3500 The Structure and Function of Economic Crop Plants (Sp)	3
<input type="checkbox"/> PLSC 4280* Field Crops (F)	3
<input type="checkbox"/> PLSC 4320* Forage Production and Pasture Ecology (F)	3
<input type="checkbox"/> PLSC 4400* Modern Vegetable Production (F)	3
<input type="checkbox"/> PLSC 4500* Fruit Production (Sp)	4
<input type="checkbox"/> PLSC 5200 Crop Physiology (Sp)	2
<input type="checkbox"/> PLSC 5550 Weed Biology and Control (F)	4
<input type="checkbox"/> PLSC 5700 Principles of Plant Breeding (Sp odd)	3
<input type="checkbox"/> PSB 5160 Methods in Biotechnology: Cell Culture (Sp)	3
<input type="checkbox"/> PSB 5240 Methods in Biotechnology: Protein Purification Techniques (Sp)	3
<input type="checkbox"/> PSB 5260 Methods in Biotechnology: Molecular Cloning (F)	3

*At least one of these production courses is required.

Agronomy Minor
(16 credits required)

A minimum of 6 credits of Soil Science courses must be taken, including:

	Credits
<input type="checkbox"/> SOIL 3000 Fundamentals of Soil Science (F,Sp)	4

A minimum of 6 credits of Plant Science courses must be taken, including the following classes:

<input type="checkbox"/> PLSC 4280 Field Crops (F)	3
<input type="checkbox"/> PLSC 4320 Forage Production and Pasture Ecology (F)	3

Select the balance of credits from the following courses:

<input type="checkbox"/> SOIL 4000 Soil and Water Conservation (F)	4
<input type="checkbox"/> SOIL 4700 Irrigated Soils (Sp, half semester)	3
<input type="checkbox"/> SOIL 5130 Soil Genesis, Morphology, and Classification (F)	4
<input type="checkbox"/> SOIL 5310 Soil Microbiology (F even)	3
<input type="checkbox"/> SOIL 5550 (QI) Soils and Plant Nutrient Bioavailability (Sp)	3
<input type="checkbox"/> SOIL 5560 Analytical Techniques for the Soil Environment (Sp)	2

Credits

<input type="checkbox"/> SOIL 5650 Environmental Soil Physics (F)	3
<input type="checkbox"/> PLSC 2200 Pest Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 3800 Turfgrass Management (F)	3
<input type="checkbox"/> PLSC 4400 Modern Vegetable Production (F)	3
<input type="checkbox"/> PLSC 5200 Crop Physiology (Sp)	2
<input type="checkbox"/> PLSC 5550 Weed Biology and Control (F)	4
<input type="checkbox"/> PLSC 5700 Principles of Plant Breeding (Sp odd)	3

Soil Science Minor
(16 credits required)

The following course is required:

	Credits
<input type="checkbox"/> SOIL 3000 Fundamentals of Soil Science (F,Sp)	4

Select 12 credits from the following courses:

<input type="checkbox"/> SOIL 4000 Soil and Water Conservation (F)	4
<input type="checkbox"/> SOIL 4700 Irrigated Soils (Sp, half semester)	3
<input type="checkbox"/> SOIL 5050 Principles of Environmental Soil Chemistry (Sp odd)	3
<input type="checkbox"/> SOIL 5130 Soil Genesis, Morphology, and Classification (F)	4
<input type="checkbox"/> SOIL 5310 Soil Microbiology (F even)	3
<input type="checkbox"/> SOIL 5350 Wildland Soils (Sp)	3
<input type="checkbox"/> SOIL 5550 (QI) Soils and Plant Nutrient Bioavailability (Sp)	3
<input type="checkbox"/> SOIL 5560 Analytical Techniques for the Soil Environment (Sp)	2
<input type="checkbox"/> SOIL 5650 Environmental Soil Physics (F)	3
<input type="checkbox"/> SOIL 5750 Environmental Quality: Soil and Water (Sp)	2

Ornamental Horticulture Minor
(16 credits required)

The following courses are required:

	Credits
<input type="checkbox"/> SOIL 2000 (BPS) Soils, Waters, and the Environment (Sp) (3 cr) or	
<input type="checkbox"/> SOIL 3000 Fundamentals of Soil Science (F,Sp) (4 cr)	3 or 4
<input type="checkbox"/> PLSC 2200 Pest Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 2620 Woody Plant Materials: Trees and Shrubs for the Landscape (F)	3

Select the balance of credits from the following courses:

<input type="checkbox"/> PLSC 2100 (BLS) Introduction to Horticulture (F)	3
<input type="checkbox"/> PLSC 2600 Annual and Perennial Plant Materials (F, half semester)	1.5
<input type="checkbox"/> PLSC 3050 Greenhouse Management and Crop Production (Sp)	4
<input type="checkbox"/> PLSC 3300 Residential Landscapes (Sp)	3
<input type="checkbox"/> PLSC 3400 Landscape Management Principles and Practices (F)	3
<input type="checkbox"/> PLSC 3700 Plant Propagation (F)	4
<input type="checkbox"/> PLSC 3800 Turfgrass Management (F)	3
<input type="checkbox"/> PLSC 4400 Modern Vegetable Production (F)	3
<input type="checkbox"/> PLSC 4500 Fruit Production (Sp)	4

Horticulture Minor (16 credits required)

One of the following courses is required:

- | | |
|--|----------------|
| | Credits |
| <input type="checkbox"/> SOIL 2000 (BPS) Soils, Waters, and the Environment (Sp) (3 cr) or | |
| <input type="checkbox"/> SOIL 3000 Fundamentals of Soil Science (F,Sp) (4 cr) | 3 or 4 |

Select 6 credits from the following courses:

- | | |
|---|-----|
| <input type="checkbox"/> PLSC 2100 (BLS) Introduction to Horticulture (F) | 3 |
| <input type="checkbox"/> PLSC 2200 Pest Management Principles and Practices (Sp) | 3 |
| <input type="checkbox"/> PLSC 4400 Modern Vegetable Production (F) | 3 |
| <input type="checkbox"/> PLSC 4500 Fruit Production (Sp) | 4 |
| <input type="checkbox"/> One Ornamental Horticulture Course | 3-4 |

Select the remaining credits from the following:

Credits

- | | |
|---|---|
| <input type="checkbox"/> PLSC 2650 Identification and Selection of Plants in
Production Agriculture (F) | 1 |
| <input type="checkbox"/> PLSC 3050 Greenhouse Management and Crop Production (Sp) | 4 |
| <input type="checkbox"/> PLSC 3300 Residential Landscapes (Sp) | 3 |
| <input type="checkbox"/> PLSC 3800 Turfgrass Management (F) | 3 |
| <input type="checkbox"/> PSB 2800 Fundamentals of Organic Agriculture (Sp) | 3 |
| <input type="checkbox"/> SOIL 3000 Fundamentals of Soil Science (F,Sp)
(if not already selected as a required course) | 4 |

For information contact

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Prepared by Registrar's Office, Utah State University