

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

Published June 2006

Effective for students beginning degree Summer Sem. 2006 thru Spring Sem. 2007

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)	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 odd)	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)	3
<input type="checkbox"/> PSB 5160 Methods in Biotechnology: Cell Culture (F)	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 odd)	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 even)	4
<input type="checkbox"/> SOIL 5310 Soil Microbiology (F)	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 even)	4
<input type="checkbox"/> SOIL 5310 Soil Microbiology (F)	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)	1.5
<input type="checkbox"/> PLSC 2610 Indoor Plants and Interiorscaping (F)	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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