

Agricultural Production and Management

Career Studies Certificate

(Pending SACSCOC Approval)

Program Coordinator: Ben Casteel • OTC 206 • 276-739-2441

Purpose: Students will develop skills directly applicable to agricultural production and management. This Career Studies Certificate will focus on introductory animal, plant, and soils science and technology.

*Denotes a course with an industry-recognized credential.

| Course Number | Course Title | Lecture Hours | Lab Hours | Credits |
|------------------|---|---------------|-----------|-----------|
| AGR 141 (Fall) | Introduction to Animal Science and Technology | 3 | 2 | 4 |
| AGR 142 (Fall) | Introduction to Plant Science and Technology | 2 | 2 | 3 |
| AGR 143 (Spring) | Introduction to Agribusiness and Financial Management | 2 | 2 | 3 |
| AGR 144 (Spring) | Agriculture Human Resource Management | 3 | 0 | 3 |
| HRT 205 (Fall) | Soils | 2 | 2 | 3 |
| HRT 207 (Fall) | Plant Pest Management* | 2 | 2 | 3 |
| Total | | 14 | 10 | 19 |

Crop Production

Career Studies Certificate

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Purpose: To provide the knowledge and skills needed for growing organic food and plant crops. Also appropriate for personal growth and development.

*Denotes a course with an industry-recognized credential.

| Course Number | Course Title | Lecture Hours | Lab Hours | Credits |
|---------------|-----------------------------|---------------|-----------|-----------|
| HRT 100 | Intro. To Horticulture | 2 | 2 | 3 |
| HRT 115 | Plant Propagation | 2 | 2 | 3 |
| HRT 259 | Arboriculture | 2 | 2 | 3 |
| HRT 134 | Four Season Food Production | 3 | 0 | 3 |
| HRT 205 | Soils | 2 | 2 | 3 |
| HRT 226 | Greenhouse Management | 2 | 2 | 3 |
| Total | | 13 | 10 | 18 |

General Horticulture

Career Studies Certificate

Program Coordinator: Ben Casteel • OTC 206 • 276-739-2441

Length: Two semesters (one year)

Purpose: To provide the knowledge and skills needed for entry-level positions in horticulture. Also appropriate for personal growth and development.

*Denotes a course with an industry-recognized credential.

| Course Number | Course Title | Lecture Hours | Lab Hours | Credits |
|---------------|------------------------|---------------|-----------|-----------|
| HRT 100 | Intro. To Horticulture | 2 | 2 | 3 |
| BIO 215 | Plant Life of Virginia | 2 | 3 | 3 |
| HRT 246 | Herbaceous Plants | 2 | 2 | 3 |
| HRT 205 | Soils | 2 | 2 | 3 |
| HRT 245 | Woody Plants | 2 | 2 | 3 |
| EEE | Horticulture Elective | 2 | 2 | 3 |
| Total | | 12 | 13 | 18 |

Indoor Plant Care

Career Studies Certificate

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Purpose: To provide the knowledge and skills needed for entry-level positions in horticulture. Also appropriate for personal growth and development.

*Denotes a course with an industry-recognized credential.

| Course Number | Course Title | Lecture Hours | Lab Hours | Credits |
|---------------|------------------------|---------------|-----------|-----------|
| HRT 100 | Intro. to Horticulture | 2 | 2 | 3 |
| HRT 115 | Plant Propagation | 2 | 2 | 3 |
| HRT 247 | Indoor Plants | 2 | 2 | 3 |
| HRT 207 | Plant Pest Management | 2 | 2 | 3 |
| HRT 226 | Greenhouse Management | 2 | 2 | 3 |
| Total | | 10 | 10 | 15 |

Landscape Management

Career Studies Certificate

Purpose: Students will develop skills directly applicable to landscape management. This Career Studies Certificate will focus on introductory professional landscape, construction, maintenance, management, and design.

*Denotes a course with an industry-recognized credential.

| Course Number | Course Title | Lecture Hours | Lab Hours | Credits |
|---------------|---|---------------|-----------|-----------|
| HRT 100 | Introduction to Horticulture | 2 | 2 | 3 |
| HRT 245 | Woody Plants | 2 | 2 | 3 |
| BIO 215 | Plant Life of Virginia | 2 | 3 | 3 |
| HRT 227 | Professional Landscape Management | 2 | 2 | 3 |
| HRT 275 | Landscape Construction and Maintenance* | 2 | 2 | 3 |
| HRT 231 | Planting Design I* | 2 | 2 | 3 |
| Total | | 12 | 13 | 18 |

Turfgrass Management

Career Studies Certificate

Purpose: Students will develop skills directly applicable to turf grass management. This Career Studies Certificate will focus on introductory professional turf care and maintenance.

*Denotes a course with an industry-recognized credential.

| Course Number | Course Title | Lecture Hours | Lab Hours | Credits |
|---------------|---|---------------|-----------|-----------|
| HRT 100 | Introduction to Horticulture | 2 | 2 | 3 |
| HRT 207 | Plant Pest Management* | 2 | 2 | 3 |
| HRT 246 | Herbaceous Plants | 2 | 2 | 3 |
| HRT 228 | Turfgrass Management | 2 | 2 | 3 |
| HRT 275 | Landscape Construction and Maintenance* | 2 | 2 | 3 |
| HRT 269 | Professional Turf Care | 2 | 2 | 3 |
| Total | | 12 | 12 | 18 |