

SPECIALTY CROPS & CANNABIS PRODUCTION CERTIFICATE

Major Code: 3094

Program Description

The Specialty Crops and Cannabis Production Certificate provides foundational applied training to NY's emerging cannabis industry; as well as NY's specialty crop industry: fruits and vegetables, tree nuts, dried fruits, horticulture and nursery crops, including floriculture. Curriculum design ensures that students will have both a strong skill set for workforce readiness and potential transferability to associate or bachelor programs.

Career Opportunities

This certificate would provide students with the opportunity to secure entry-level positions in specialty crop and cannabis businesses. To list just a couple of examples, the employment opportunities for graduates are to be found in retail and wholesale nursery/greenhouse businesses and cannabis and food crop production firms.

Graduation Credit Requirements

The certificate is 27 total credits and can be completed in two semesters.

Student Learning Outcomes

Upon successful completion of this program, students will be workforce-ready and will be able to:

- Explore and examine the necessary career orientation toward the fruit, vegetable, tree nut, dried fruit, horticulture, nursery, floriculture, and cannabis industries.
- Apply problem-solving skills in greenhouse, nursery, and field operations, and fruit, vegetable, tree nut, dried fruit, horticulture, nursery, floriculture, and cannabis production and processing.
- Employ plant science concepts and technologies to maximize efficiencies of product development in the fruit, vegetable, tree nut, dried fruit, horticulture, nursery, floriculture, and cannabis industries.

Curriculum Requirements

| Code | Title | Credits |
|----------------------|--|-----------|
| AGRO 110 | Soil Science | 3 |
| BIOL 102 | Botany-Form Function Seed Plt | 3 |
| CANA 101 | Introductory Cannabis | 3 |
| ENSC 106 | Pesticide Use and Handling (or as advised) | 2 |
| ENSC 107 | Integrated Pest Management | 1 |
| HORT 150 | Fruit & Vegetable Production | 3 |
| HORT 200 | Greenhouse Management | 3 |
| Electives as Advised | | 9 |
| Total Credits | | 27 |

Suggested Course Sequence

| Course | Title | Credits |
|----------------------|--|-----------|
| Year 1 | | |
| Fall | | |
| ENSC 107 | Integrated Pest Management | 1 |
| CANA 101 | Introductory Cannabis | 3 |
| BIOL 102 | Botany-Form Function Seed Plt | 3 |
| HORT 200 | Greenhouse Management | 3 |
| Electives as Advised | | 3 |
| Credits | | 13 |
| Spring | | |
| AGRO 110 | Soil Science | 3 |
| ENSC 106 | Pesticide Use and Handling (or as advised) | 2 |
| HORT 150 | Fruit & Vegetable Production | 3 |
| Electives as Advised | | 6 |
| Credits | | 14 |
| Total Credits | | 27 |