



# Program Planning Guide

## Sustainable Vegetable Production Certificate (C1541030)

**Program Length:** 2 semesters

**Program Sites:** Chatham Main Campus

**Career Pathway Options:** Associate in Applied Science Degree in Sustainable Agriculture;  
Certificate in Sustainable Vegetable Production

Suggested Course Schedule		Class	Lab	Work	Credits	Notes:
<b>1st Semester (fall)</b>						
AGR 139	Intro to Sustainable Agriculture	3	0	0	3	
AGR 170	Soil Science	2	2	0	3	
AGR 214	Agriculture Marketing	3	0	0	3	
AGR 266	Organic Crop Production: Fall	2	2	0	3	
<b>Total Semester Hours</b>		<b>10</b>	<b>4</b>	<b>0</b>	<b>12</b>	
<b>2nd Semester (spring)</b>						
AGR 121	Biological Pest Management	3	0	0	3	
AGR 265	Organic Crop Production: Spring	2	2	0	3	
<b>Total Semester Hours</b>		<b>5</b>	<b>2</b>	<b>0</b>	<b>6</b>	
<b>Total Semester Hours Credit Required for Graduation: 18</b>						



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## Course Descriptions

### **AGR 139 Intro to Sustainable Agriculture**

This course will provide students with a clear perspective on the principles, history, and practices of sustainable agriculture in our local and global communities. Students will be introduced to the economic, environmental, and social impacts of agriculture. Upon completion, students should be able to identify the principles of sustainable agriculture as they relate to basic production practices.

### **AGR 170 Soil Science**

This course covers the basic principles of soil management and fertilization. Topics include liming, fertilization, soil management, biological properties of soil (including beneficial microorganisms), sustainable land care practices and the impact on soils, and plant nutrients. Upon completion, students should be able to analyze, evaluate, and properly amend soils/media according to sustainable practices.

### **AGR 214 Agricultural Marketing**

This course covers basic marketing principles for agricultural products. Topics include buying, selling, processing, standardizing, grading, storing, and marketing of agricultural commodities. Upon completion, students should be able to construct a marketing plan for an agricultural product.

### **AGR 265 Organic Crop Production: Spring**

This course includes a study of spring organic crop production practices, including vegetables, cut flowers, and culinary and medicinal herbs. Topics include variety selection, production methods, and record keeping procedures for certification. Upon completion, students should be able to demonstrate a knowledge of organic crop production appropriate for the spring season.

### **AGR 266 Organic Crop Production: Fall**

The course includes a study of fall organic crop production practices, including vegetables, cut flowers, and culinary and medicinal herbs. Topics include variety selection, production methods, and record keeping procedures for certification. Upon completion, students should be able to demonstrate a knowledge of organic crop production appropriate for the fall season.