

SCHOOL OF AGRICULTURE AND ENVIRONMENTAL STUDIES

Horticulture AAS Degree (EH13)

Offered at Clarkesville Campus

Entrance Dates ..... Fall, Spring, Summer  
 Length of Program ..... 5-6 Terms  
 Credit Hours Required for Graduation ..... 63

**Purpose:** The Horticulture Associate of Applied Science degree program prepares students for careers in environmental horticulture. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skills.

**Admission Requirements:**

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

**Program Requirement:**

- Must meet the technical competencies (listed below) of the program prior to entry
- A grade of “C” or better must be achieved in each occupational course in order to complete the program

**Program Courses**

**Credits**

**General Core Courses**

**Total 15 credit hours**

Area I Language Arts/Communication 3

ENGL 1101 Composition and Rhetoric (required)

Area II Social/Behavioral Sciences 3

Area III Natural Sciences/Mathematics 7

BIOL 1111 Biology I

BIOL 1111L Biology I Lab

***(one of the following required)***

MATH 1101 Mathematical Modeling

MATH 1103 Quantitative Skills and Reasoning

MATH 1111 College Algebra

MATH 1127 Introduction to Statistics

Area IV Humanities/Fine Arts 3

*Contact program advisor for program-specific courses and see General Education Requirements for Associate Degrees for course options.*

**Occupational Courses**

**Total 26 credit hours**

COLL 1010 College and Career Success Skills 3

HORT 1000 Horticulture Science 3

HORT 1010 Woody Plant Identification 3

HORT 1020 Herbaceous Plant Identification 3

HORT 1060 Landscape Design 4

HORT 1080 Pest Management 3

HORT 1150 Environmental Horticulture Internship 3

**OR**

HORT Elective (3)

## SCHOOL OF AGRICULTURE AND ENVIRONMENTAL STUDIES

**Select 24 credit hours from the following courses:**

HORT	1030	Greenhouse Management	4
HORT	1050	Nursery Production and Management	4
HORT	1070	Landscape Installation	4
HORT	1100	Intro to Sustainable Agriculture	3
HORT	1110	Small Scale Food Production	4
HORT	1120	Landscape Management	4
HORT	1140	Horticulture Business Management	3
HORT	1160	Landscape Contracting	3
HORT	1410	Soils	3
HORT	1430	Advanced Landscape Design	4

Cost of books and supplies for full program is approximately \$2,500. There is a \$20 lab fee for Biology courses. Students will provide personal protective equipment; safety glasses, gloves, and closed toe shoes or boots (no tennis shoes) that meet industry standards. Estimated cost of these personal items \$125.

### Technical Competencies:

Physical Demands – Horticulture is at times very labor intensive. Individuals will be required to lift up to 50 pounds. Students must possess the mobility and stamina to walk at a sustained pace for several minutes, as this industry can require you to move about on a large worksite. Students will need the ability to crawl on the ground and get up and down. Dexterity is required in the hands as well as strength. Small, tedious work involving tiny components is often undertaken in this industry.

Work Environment – Varies from almost sterile lab type conditions to very dirty outside environments. Exposure to the elements will be common. The ability to tolerate heat, cold, rain, and wind is required in this industry. Most work will be done either standing or crawling on the ground. Students could be exposed to either high noise levels, cold or hot environments, or both when working inside.

Occupational Exposures and Risks – Students will be required to apply various types of pesticides. These pesticides will vary in toxicity from low to very high. Students will be required to wear various protective equipment including respirators, glasses/goggles, coveralls, and rubber gloves. Students will be asked to operate and work in the vicinity of large and small power equipment such as skid steer loaders (Bobcat), backhoes, mowers, string trimmers, chainsaws, blowers, and others. Students may come in contact with toxic plants such as poison oak and poison ivy. Biting and stinging insects will be encountered regularly and may include bees, wasps, spiders, and fire ants.

SCHOOL OF AGRICULTURE AND ENVIRONMENTAL STUDIES

Horticulture Diploma (EH12)

Offered at Clarkesville Campus

Entrance Dates ..... Fall, Spring, Summer  
 Length of Program ..... 4 Terms  
 Credit Hours Required for Graduation ..... 46

**Purpose:** The Horticulture diploma program prepares students for careers in environmental horticulture. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skills.

**Admission Requirements:**

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

**Program Requirement:**

- Must meet the technical competencies (listed below) of the program prior to entry
- A grade of “C” or better must be achieved in each occupational course in order to complete the program

**Program Courses**

**Credits**

**Basic Skills Courses**

**Total 9 credit hours**

COLL	1010	College and Career Success Skills	3
ENGL	1010	Fundamentals of English I	3
MATH	1012	Foundations of Mathematics	3

**Occupational Courses**

**Total 19 credit hours**

HORT	1000	Horticulture Science	3
HORT	1010	Woody Plant Identification	3
HORT	1020	Herbaceous Plant Identification	3
HORT	1060	Landscape Design	4
HORT	1080	Pest Management	3
HORT	1150	Environmental Horticulture Internship	3

**OR**

HORT	Elective		(3)
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**Select 18 credit hours from the following courses:**

HORT	1030	Greenhouse Management	4
HORT	1041	Landscape Construction	4
HORT	1050	Nursery Production and Management	4
HORT	1070	Landscape Installation	4
HORT	1100	Intro to Sustainable Agriculture	3
HORT	1110	Small Scale Food Production	4
HORT	1120	Landscape Management	4
HORT	1140	Horticulture Business Management	3
HORT	1160	Landscape Contracting	3
HORT	1410	Soils	3
HORT	1430	Advanced Landscape Design	4

**SCHOOL OF AGRICULTURE AND ENVIRONMENTAL STUDIES**

Estimated cost of books and supplies for full program is approximately \$2,250. Students will provide personal protective equipment; safety glasses, gloves, and closed toe shoes or boots (no tennis shoes) that meet industry safety standards. Estimated cost of these items \$125.

**Technical Competencies:**

Physical Demands – Horticulture is at times very labor intensive. Individuals will be required to lift up to 50 pounds. Students must possess the mobility and stamina to walk at a sustained pace for several minutes, as this industry can require you to move about on a large worksite. Students will need the ability to crawl on the ground and get up and down. Dexterity is required in the hands as well as strength. Small, tedious work involving tiny components is often undertaken in this industry.

Work Environment – Varies from almost sterile lab type conditions to very dirty outside environments. Exposure to the elements will be common. The ability to tolerate heat, cold, rain, and wind is required in this industry. Most work will be done either standing or crawling on the ground. Students could be exposed to either high noise levels, cold or hot environments, or both when working inside.

Occupational Exposures and Risks – Students will be required to apply various types of pesticides. These pesticides will vary in toxicity from low to very high. Students will be required to wear various protective equipment including respirators, glasses/goggles, coveralls, and rubber gloves. Students will be asked to operate and work in the vicinity of large and small power equipment such as skid steer loaders (Bobcat), backhoes, mowers, string trimmers, chainsaws, blowers, and others. Students may come in contact with toxic plants such as poison oak and poison ivy. Biting and stinging insects will be encountered regularly and may include bees, wasps, spiders, and fire ants.

SCHOOL OF AGRICULTURE AND ENVIRONMENTAL STUDIES

Garden Center Technician Certificate (GC31)

*Offered at Clarkesville Campus*

Entrance Dates ..... Fall, Spring, Summer  
 Length of Program ..... 1 Term  
 Credit Hours Required for Graduation..... 12

**Purpose:** The Garden Center Technician certificate program prepares students for challenging careers in the expanding field of landscaping and garden centers. Students will also develop contemporary business concepts as they apply to landscape and garden centers.

**Admission Requirements:**

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

**Program Requirement:**

- Must meet the technical competencies (listed below) of the program prior to entry

<u>Program Courses</u>			<u>Credits</u>
HORT	1010	Woody Plant Identification	3
HORT	1020	Herbaceous Plant Identification	3
HORT	1080	Pest Management	3
HORT	1140	Horticulture Business Management	3

Estimated cost of books and supplies for full program is approximately \$500. Students will provide personal protective equipment; safety glasses, gloves, and closed toe shoes or boots (no tennis shoes) that meet industry safety standards. Estimated cost of these items \$125.

**Technical Competencies:**

Physical Demands – Students will be exposed to physical conditions such as lifting and carrying a minimum of 50 pounds and traversing a variety of terrain conditions up to 5 miles a day.

Occupational Hazards – Students enrolled in the program will be performing tasks in an outdoor environment and will be exposed to inclement weather, a variety of temperatures and environmental hazards including bees, snakes and other wildlife.

**SCHOOL OF AGRICULTURE AND ENVIRONMENTAL STUDIES**  
**Sustainable Urban Agriculture Technician Certificate (SUA1)**

*Offered at Clarkesville Campus*

Entrance Dates .....	Fall, Spring, Summer
Length of Program .....	2 Terms
Credit Hours Required for Graduation.....	19

**Purpose:** The Sustainable Urban Agriculture Technician certificate program prepares the student for a career in sustainable, small-scale food production that integrates economic profitability and environmental stewardship. Courses provide hands-on experience in the fundamentals of plant production and marketing, giving the student a complete knowledge of the sustainable farmer’s market system.

**Admission Requirements:**

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

**Program Requirement:**

- Must meet the technical competencies (listed below) of the program prior to entry

<u>Program Courses</u>	<u>Credits</u>
HORT 1080 Pest Management	3
HORT 1100 Introduction to Sustainable Agriculture	3
HORT 1110 Small Scale Food Production	4
HORT 1140 Horticulture Business Management	3
HORT 1410 Soils	3
Horticulture Elective	3

Estimated cost of books and supplies for full program is approximately \$500. Students will provide personal protective equipment; safety glasses, gloves, and closed toe shoes or boots (no tennis shoes) that meet industry safety standards. Estimated cost of these items \$125.

**Technical Competencies:**

Physical Demands – Students will be exposed to physical conditions such as lifting and carrying a minimum of 50 pounds and traversing a variety of terrain conditions up to 5 miles a day.

Occupational Hazards – Students enrolled in the program will be performing tasks in an outdoor environment and will be exposed to inclement weather, a variety of temperatures and environmental hazards including bees, snakes and other wildlife.