

SCHOOL OF AGRICULTURE AND ENVIRONMENTAL SCIENCES

Horticulture AAS Degree (EH13)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program..... 6 Terms
 Credit Hours Required for Graduation 65

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

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	3
(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
General Education Elective from any area	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

BIOL 1111 Biology I	3
BIOL 1111L Biology I Lab	1
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

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Select 24 credit hours from the following courses

HORT	1030	Greenhouse Management	4
HORT	1041	Landscape Construction	4
HORT	1050	Nursery Production and Management	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
HORT	1800	Urban Landscape Issues	3

Estimated cost of books and supplies for full program is approximately \$2,500.

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.

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Horticulture Diploma (EH12)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program..... 4 Terms
 Credit Hours Required for Graduation 47

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

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

Select 19 credit hours from the following courses

HORT	1030	Greenhouse Management	4
HORT	1041	Landscape Construction	4
HORT	1050	Nursery Production and Management	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
HORT	1800	Urban Landscape Issues	3

Estimated cost of books and supplies for full program is approximately \$2,250.

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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.

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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 Courses

Credits

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.

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 Courses

Credits

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.