Horticulture AAS Degree (EH13)
Offered at the Clarksville Campus

Entrance Dates ................................................................. Fall, Spring, Summer
Length of Program ........................................................................................................ 5 Terms
Credit Hours Required for Graduation ............................................................................. 62

**Purpose:** The Horticulture 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. Graduates will receive an associate of applied science degree in Horticulture.

**Admission Requirements:**
- Age 16 or older
- High school diploma or GED
- Completion of application process including placement test; or provide SAT or ACT scores less than five years old

**Program Requirement:**
- Must meet the technical competencies (listed below) of the program prior to entry

**Program Courses**

<table>
<thead>
<tr>
<th>Program Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Core Courses</strong></td>
<td></td>
</tr>
<tr>
<td>Contact program advisor for program-specific courses, and see General Education Requirements for Associate Degrees for course options.</td>
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<tr>
<td><strong>Area I</strong> Language Arts/Communication</td>
<td></td>
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<tr>
<td>ENGL 1101 Composition and Rhetoric (required)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Area II</strong> Social/Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td><strong>Area III</strong> Natural Sciences/Mathematics <em>(one of the following MATH’s is required)</em></td>
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<tr>
<td>MATH 1101 Mathematical Modeling</td>
<td>3</td>
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<tr>
<td>OR</td>
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<tr>
<td>MATH 1111 College Algebra</td>
<td>(3)</td>
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<td>OR</td>
<td></td>
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<tr>
<td>MATH 1127 Introduction to Statistics</td>
<td></td>
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<tr>
<td><strong>Area IV</strong> Humanities/Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td><strong>Occupational Courses</strong></td>
<td></td>
</tr>
<tr>
<td>BIOL 1111 Biology I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1111L Biology I Lab</td>
<td>1</td>
</tr>
<tr>
<td>COLL 1010 College and Career Success Skills</td>
<td>3</td>
</tr>
<tr>
<td>HORT 1000 Horticulture Science</td>
<td>3</td>
</tr>
<tr>
<td>HORT 1010 Woody Ornamental Plant Identification</td>
<td>3</td>
</tr>
<tr>
<td>HORT 1020 Herbaceous Plant Identification</td>
<td>3</td>
</tr>
<tr>
<td>HORT 1060 Landscape Design</td>
<td>4</td>
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<tr>
<td>HORT 1080 Pest Management</td>
<td>3</td>
</tr>
<tr>
<td>HORT 1150 Environmental Horticulture Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose one of the following specializations:**

**General Horticulture (8GH3) – select 24 credits from the following:**

| HORT 1030 Greenhouse Management | 4 |
| HORT 1041 Landscape Construction | 4 |
| HORT 1050 Nursery Production and Management | 4 |
| HORT 1070 Landscape Installation | 4 |
| HORT 1120 Landscape Management | 4 |
| HORT 1140 Horticulture Business Management | 3 |
HORT  1160  Landscape Contracting  3
HORT  1310  Irrigation  4
HORT  1330  Turfgrass Management  4
HORT  1410  Soils  4
HORT  1430  Advanced Landscape Design  4
HORT  1800  Urban Landscape Issues  3

Landscape (8L13)
HORT  1041  Landscape Construction  4
HORT  1070  Landscape Installation  4
HORT  1120  Landscape Management  4
HORT  1310  Irrigation  4
HORT  1330  Turfgrass Management  4
Guided Elective  4

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

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 work-site. 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.
Program Courses

**Basic Skills Courses**
- **PUBLIC 1010** College and Career Success Skills 3
- **ENGL 1010** Fundamentals of English I 3
- **MATH 1012** Foundations of Mathematics 3

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

**Choose one of the following specializations:**

**General Horticulture (8GH2) – select 15 credits from the following:**
- **HORT 1030** Greenhouse Management 4
- **HORT 1041** Landscape Construction 4
- **HORT 1050** Nursery Production and Management 4
- **HORT 1070** Landscape Installation 4
- **HORT 1120** Landscape Management 4
- **HORT 1140** Horticulture Business Management 3
- **HORT 1160** Landscape Contracting 3
- **HORT 1310** Irrigation 4
- **HORT 1330** Turfgrass Management 4
- **HORT 1410** Soils 4
- **HORT 1430** Advanced Landscape Design 4
- **HORT 1800** Urban Landscape Issues 3

**Landscape (8LM2)**
- **HORT 1070** Landscape Installation 4
- **HORT 1120** Landscape Management 4
- **HORT 1310** Irrigation 4
- **HORT 1330** Turfgrass Management 4
- Guided Elective 3

**Program Courses**

**Credits**

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

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

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- **HORT 1070** Landscape Installation 4
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- **HORT 1140** Horticulture Business Management 3
- **HORT 1160** Landscape Contracting 3
- **HORT 1310** Irrigation 4
- **HORT 1330** Turfgrass Management 4
- **HORT 1410** Soils 4
- **HORT 1430** Advanced Landscape Design 4
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