Concentration Group 2: Gas Tungsten Arc
- WLD 132 Inert Gas Welding Ferrous 4
- WLD 133 Inert Gas Welding Ferrous Tubing 1
- WLD 135 Inert Gas Welding of Aluminum 4
- WLD 137 Inert Gas Welding Aluminum Tubing 1
- WLD 152 Tungsten Arc Welding 4
- WLD 153 Tungsten Arc Welding Stainless Steel Tubing 1

Concentration Group 3: Gas Metal Arc and Flux Cored Arc
- WLD 118 Gas Metal Arc Welding Ferrous I 4
- WLD 119 Gas Metal Arc Welding Ferrous II 1
- WLD 120 Flux Cored Arc Welding I 4
- WLD 121 Flux Cored Arc Welding II 1
- WLD 122 Gas Metal Arc Welding Non-Ferrous I 4
- WLD 123 Gas Metal Arc Welding Non-Ferrous II 1

Secondary Path
- EGT 114 Welding Print Basics 2
- EGT 117 Welding Print Principles 2
- EGT 151 Introduction to CAD 3
- EGT 152 Fundamentals of CAD 3
- EGT 252 Advanced CAD 3

Additional Requirements
- WLD 110 Welding Safety and Health 1
- WLD 141 Weld Quality 2
- WLD 201 Welding Metallurgy 2
- WLD 240 Robotic Welding and Manufacturing 4

Welding Career Path

Credit Requirements: 70-71 Semester Credit Hours

Evening

Recommended Sequence of Courses
First Semester – Fall
- EGT 114 Welding Print Basics 2
- WLD 110 Welding Safety and Health 1
* WLD 132 Inert Gas Welding Ferrous 4
* WLD 133 Inert Gas Welding Ferrous Tubing 1
- WLD 141 Weld Quality 2
Total 10

Second Semester – Spring
- EGT 117 Welding Print Principles 2
* WLD 152 Tungsten Arc Welding 4
* WLD 153 Tungsten Arc Welding Stainless Steel Tubing 1
- WLD 201 Welding Metallurgy 2
Total 9

Third Semester – Summer
* WLD 135 Inert Gas Welding of Aluminum 4
* WLD 137 Inert Gas Welding Aluminum Tubing 1
- CPT 101 Introduction to Computers 3
or
- EGR 110 Introduction to Computer Environment 3
Total 8

Fourth Semester – Fall
- EGT 151 Introduction to CAD 3
* WLD 118 Gas Metal Arc Welding Ferrous I 4
* WLD 119 Gas Metal Arc Welding Ferrous II 1
Total 8

Fifth Semester – Spring
- EGT 152 Fundamentals of CAD 3
* WLD 120 Flux Cored Arc Welding I 4
* WLD 121 Flux Cored Arc Welding II 1
Total 8

Sixth Semester – Summer
- EGT 252 Advanced CAD 3
* WLD 122 Gas Metal Arc Welding Non-Ferrous I 4
* WLD 123 Gas Metal Arc Welding Non-Ferrous II 1
Total 8

Seventh Semester – Fall
- ENG 101 English Composition I 3
- ECO 210 Macroeconomics 3
or
- PSY 201 General Psychology 3
- SPC 205 Public Speaking 3
or
- SPC 209 Interpersonal Communication 3
Total 9

Eighth Semester – Spring
- WLD 240 Robotic Welding and Manufacturing 4
- REQ HUM Select one course from Humanities listing on page B-3 3
- REQ MAT Select one math course from Mathematics/Natural Sciences listing on page B-4 3-4
Total 10-11
*Other Welding courses may be substituted as shown in the Primary Path above. Courses shown with * are the Gas Metal Arc and Flux Cored Arc and the Gas Tungsten Arc concentration.

Horticulture Technology

Associate in Applied Science
Credit Requirements: 65-66 Semester Credit Hours

The Horticulture Technology program prepares students for positions in landscape design and construction, turf supervision, horticultural sales, nursery plant production and landscape maintenance. Students in horticulture must see an advisor for specific scheduling needs. Classes are taught in the Horticulture Technology building, the greenhouse and horticulture gardens. Some courses will transfer to Clemson University’s horticulture program. See your advisor for more information.

For entry into this program, the student must be a high school graduate or possess a GED and take the college’s placement test or meet the college’s SAT or ACT requirements.

Recommended Sequence of Courses

First Semester – Fall
HRT 106 Ornamentals 2
HRT 110 Plant Form and Function 4
HRT 144 Plant Pests 3
*ELE HRT Select one course from Horticulture Electives 2-3
REQ HUM Select one course from Humanities listing on page B-3 3

Second Semester – Spring
HRT 107 Woody Ornamentals 2
HRT 171 Landscape Business Techniques 3
*ELE HRT Select one course from Horticulture Electives 2-3
REQ MAT Select one math course from Mathematics/Natural Sciences listing on page B-4 3

Third Semester – Summer
HRT 139 Plant Propagation 3
*ELE HRT Select one course from Horticulture Electives 2-3

<table>
<thead>
<tr>
<th>Fourth Semester – Fall</th>
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<tbody>
<tr>
<td>CPT 101 Introduction to Computers 3</td>
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<tr>
<td>HRT 125 Soils 4</td>
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<tr>
<td>*ELE HRT Select one course from Horticulture Electives 2-3</td>
</tr>
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<td>*ELE HRT Select one course from Horticulture Electives 2-3</td>
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<td><strong>Total 11-13</strong></td>
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<tr>
<th>Fifth Semester – Spring</th>
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<tbody>
<tr>
<td>ENG 101 English Composition I 3</td>
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<tr>
<td>HRT 240 Pesticides 4</td>
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<tr>
<td>*ELE HRT Select one course from Horticulture Electives 2-3</td>
</tr>
<tr>
<td>REQ SSC Select one course from Behavioral/Social Sciences listing on page B-3 3</td>
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<td><strong>Total 12-13</strong></td>
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<tr>
<th>Sixth Semester – Summer</th>
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<tr>
<td>HRT 121 Commercial Irrigation 3</td>
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<tr>
<td>*ELE HRT Select one course from Horticulture Electives 2-3</td>
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<tr>
<td>**HRT 212 Commercial Landscape Design 3</td>
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<td><strong>Total 8-9</strong></td>
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Horticulture Electives
HRT 101 Introduction to Horticulture 3
HRT 102 Landscape Design 4
HRT 108 Annuals and Perennials 2
HRT 130 Greenhouse Production 3
HRT 150 Arboriculture I 3
HRT 153 Landscape Construction 3
HRT 169 Sustainability in Horticulture 3
HRT 241 Turf Management 3
HRT 254 Landscape Maintenance 2
HRT 269 Edible Landscaping 3

*A total of seven horticulture electives is required.

**Can substitute ENG 260 Advanced Technical Communications, SPC 205 Public Speaking or SPC 209 Interpersonal Communication

Advanced Automation: Mechatronics

Certificate in Applied Science
Credit Requirements: 18 Semester Credit Hours

This certificate provides the training necessary to prepare students for positions as automation technicians, mechatronics technicians or robotics technicians in an advanced manufacturing environment.