

Program:	Horticulture
Degree:	BS/BA
Department:	Horticulture
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Outcome	Master the depth of knowledge required for a degree
Marketable Skills	<ul style="list-style-type: none"> <li>• Manage nurseries and greenhouses that grow horticultural plants for sale to trade or retail customers, for display or exhibition, or for research.</li> <li>• Identify plants, as well as problems, such as diseases, weeds, and insect pests.</li> <li>• Determine appropriate plant growing conditions, such as in greenhouses, hydroponics, built environments, or natural settings, and set planting and care schedules.</li> <li>• Determine types and quantities of horticultural plants to be grown, based on budgets, projected sales volumes, or executive directives.</li> <li>• Position and regulate plant irrigation systems, and program environmental and irrigation control computers.</li> </ul>

Outcome	Demonstrate critical thinking
Marketable Skills	<ul style="list-style-type: none"> <li>• Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.</li> <li>• Considering the relative costs and benefits of potential actions to choose the most appropriate one.</li> <li>• Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.</li> <li>• Observing, receiving, and otherwise obtaining information from all relevant sources.</li> <li>• Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts.</li> <li>• Analyzing information and evaluating results to choose the best solution and solve problems.</li> <li>• Formulate appropriate plant combinations to achieve environmentally sustainable built environments which maximize ecosystem services while maintaining aesthetic appeal.</li> </ul>

<b>Outcome</b>	<b>Communicate effectively</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.</li> <li>• Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.</li> <li>• Understanding written sentences and paragraphs in work related documents.</li> <li>• Develop and present coherent presentations</li> <li>• Express concepts graphically, for example in terms of graphs, charts, tables, figures, or landscape designs</li> <li>• Convey artistic expression through the arrangement of plants in fresh arrangements, dried arrangements, or landscape graphics</li> </ul>

<b>Outcome</b>	<b>Practice personal and social responsibility</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.</li> <li>• Managing one's own time and the time of others.</li> <li>• Choose environmentally responsible alternatives to crop production practices and the design, installation and maintenance of built environments</li> </ul>

<b>Outcome</b>	<b>Demonstrate social, cultural, and global competencies</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.</li> <li>• Being aware of others' reactions and understanding why they react as they do.</li> </ul>

<b>Outcome</b>	<b>Prepare to engage in life-long learning</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Understanding the implications of new information for both current and future problem-solving and decision-making.</li> <li>• Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.</li> </ul>

<b>Outcome</b>	<b>Work collaboratively</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Motivating, developing, and directing people as they work, identifying the best people for the job.</li> <li>• Bringing others together and trying to reconcile differences.</li> </ul>

Notes:

- All marketable skills listed for this example program were drawn from the Knowledge, Skills, and Abilities identified by the US Department of Labor and Statistics for "horticulture" as published on O\*Net Online (onetonline.org)
- Alternate sources for degree-specific marketable skills include learning outcomes and associated metrics used for programmatic assessment
- Learning outcomes or skills required for programmatic accreditation