Horticultural Science... Now What?

Quick Facts: Agricultural and Food Scientists and Specialists

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2020 Median Pay</td>
<td>$68,830 per year</td>
<td>Bachelor’s degree</td>
<td>None</td>
<td>None</td>
<td>34,800</td>
<td>6% (Faster than average)</td>
<td>2,000</td>
</tr>
<tr>
<td>Entry-Level Education</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work Experience in a Related Occupation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-the-job Training</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Jobs, 2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job Outlook, 2018-28</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employment Change, 2018-28</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


What is Horticultural Science?
Concepts and practices vital to the preservation of natural resources in managed plant systems are stressed. This major provides students with the tools and knowledge to work in the horticultural field. Students receive scientific training in the production of herbaceous ornamentals, fruits, and vegetables. In addition, students have the option of taking business courses to complement their horticultural training or to further enhance their scientific training through more courses in basic science. The University-operated greenhouses, vegetable field, and orchard are used as laboratory spaces to provide hands-on experience related to knowledge acquired in the classroom. Successful graduates find employment in plant conservatories and arboreta as well as manage businesses, including direct-market farms, greenhouse operations, landscaping firms and nurseries, or they continue to graduate school for advanced degrees.

What Can I Do With A Degree In Horticultural Science?

<table>
<thead>
<tr>
<th>Allied Commercial Businesses</th>
<th>Owner/Manager of Horticultural Business</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educator</td>
<td>Plant Breeder</td>
</tr>
<tr>
<td>Extension Specialist</td>
<td>Plant Grower</td>
</tr>
<tr>
<td>Greenhouse Operator</td>
<td>Plant Production Technician</td>
</tr>
<tr>
<td>Ground Administrator</td>
<td>Plant Propagator</td>
</tr>
<tr>
<td>Horticulturalist</td>
<td>Pollination Specialist</td>
</tr>
<tr>
<td>Horticultural Product Sales &amp; Marketing</td>
<td>Public Outreach</td>
</tr>
<tr>
<td>Landscape Plant Production and Use</td>
<td>Researcher</td>
</tr>
<tr>
<td>Landscape Nurseries</td>
<td>Retail Business</td>
</tr>
<tr>
<td>Landscape Operation</td>
<td></td>
</tr>
</tbody>
</table>
Career Planning Resources & Websites

UMass Amherst Career Services Events Calendar  www.umass.edu/careers
FOCUS2 Career and Education Planning  www.umass.edu/careers/planning for sign-in button
What Can I Do With This Major?  https://www.umass.edu/careers/planning

(Click on “What Can I do with this Major” icon on the right-hand column.)

Massachusetts Career Information System  http://masscis.intocareers.org
(Click Mass Resident to login with “Amherst/01003” Then click “Occupations” or “Assessments”)

Soil Science Society of America  https://www.soils.org/careers/
Bio Careers: Ag-Research  https://biocareers.com/category/career-paths/ag-research/
Careers in Soil Science  https://www.nrcs.usda.gov
Huge List of Environmental Careers  www.khake.com/page46
Reports on Jobs in the Growing Green Economy  www.findingearthworks.org/resources.htm

Horticultural Science Job and Internship Search Resources  (* = of particular note)

UMass Amherst Specific Job Search Resources  https://umass.joinhandshake.com/
* UMass Handshake Database of Internships & Jobs
* UMass Amherst Dept of Horticultural Science  umass.edu/ses/program/horticultural-sciences-bs
* UMass Amherst Local Sustainability Jobs/Internships  www.umass.edu/sustainability/resources

Green Jobs
Center for Ecological Technology (Northampton!)  https://www.cetonline.org/jobs/
Earthworks Jobs By Category  http://earthworks-jobs.com/
Eco Employ  www.ecoemploy.com
Elements (Mineralogy / Geochemistry / Petrology)  http://elementsmagazine.org/job-postings/
Environmental Careers Organization (eco.org)  www.eco.org
* Environmental Career (post resume & apply through)  https://environmentalcareer.com/
Environmental Career Opportunities (ECO)  http://www.ecojobs.com/
Environmental Health & Safety Jobs  http://ehscareers.com/search
Environmental Jobs and Careers (aggregator site)  www.ejobs.org
Environmental Jobs  http://environmentaljobs.com
Green Dream Jobs
* Green Drinks Springfield (hub of local communities)  www.facebook.com/GreenDrinksSpringfield
* Green Jobs (store resumes & apply through site)  http://www.greenjobsearch.org
Green Job Search  http://jobs.greenbiz.com
GreenBiz Jobs Board
Global Vision International Careers Abroad  www.careersabroad.co.uk/vacancies
* LinkedIn Green Job and Career Network  www.linkedin.com/groups?gid=77194
* Local Internships  http://www.gcc.mass.edu/internships/list/
* Massachusetts Clean Energy Center (Mass CEC) www.masscec.com/jobs
* MassCEC Post-Your-Resume Board www.masscec.com/resumes
  (Create free account; post resume for employers to see; refresh every 6 months)
* Massachusetts (State) Environmental Agencies www.mass.gov/eea/agencies
National Environmental Health Assoc Job Board www.neha.org/job_center.html
Soil Science Society of America Jobs
  https://careers.careerplacement.org/jobseekers/index.cfm
Texas A&M Wildlife & Fisheries Jobs Board (some intl) https://wfscjobs.tamu.edu/job-board/
Water Industry Jobs www.waterjobsnow.com
Water Environment Federation (WEF) Job Bank http://jobbank.wef.org/jobseekers
World Wildlife Federation Jobs http://wwf.panda.org/who_we_are/jobs_wwf/
* USDA Natural Resources Conservation (by State) www.nrcs.usda.gov/wps/portal/nrcs
* US Environmental Protection Agency (EPA) Jobs www.epa.gov/careers
* USA Jobs (for ALL Federal Govt Jobs) www.usajobs.gov

General Science Jobs
General Science Jobs (widely defined) http://jobs.sciencecareers.org
General Science Jobs (widely defined) http://jobs.newscientist.com/
NatureJobs (widely defined) www.nature.com/naturejobs/science/

Internships and Lab/Field Research
* CareerConnect Database of Internships & Jobs www.umass.edu/careers for sign-in button
  * UMass Biochem: Finding Independent Lab Research www.umass.edu/biochem/undergraduate/lab
American Geological Institute (Geosci & Public Policy) www.americangeosciences.org
Campus Access List of Environmental Internships www.campusaccess.com/internships
Cool Works Internships www.coolworks.com/internships
Ecological Society of America: Fieldwork Internships https://www.esacareercenter.org/
Internships in Federal Government Agencies (EPA etc) www.usajobs.gov/Search?Internship=Yes
MassCEC Paid Internships Program
  http://www.masscec.com/work-clean-energy/job-seeker/internship-program
MassCEC Resume Board
  http://www.masscec.com/work-clean-energy/resumes
* Massachusetts Clean Energy Center (MassCEC) www.masscec.com/programs/massachusetts
National Institutes of Health (NIH) www.training.nih.gov/programs
National Park Service Internships (nationwide) https://www.nps.gov/aboutus/workwithus.htm
NYC Parks and Recreation Internships https://www.nycgovparks.org/