

Horticultural Science... Now What?

Quick Facts: Agricultural and Food Scientists and Specialists	
2020 Median Pay	\$68,830 per year
Entry-Level Education	Bachelor's degree
Work Experience in a Related Occupation	None
On-the-job Training	None
Number of Jobs, 2018	34,800
Job Outlook, 2018-28	6% (Faster than average)
Employment Change, 2018-28	2,000

[Found on the Occupational Outlook Handbook

<https://www.bls.gov/ooh/life-physical-and-social-science/agricultural-and-food-scientists.htm>]

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?

Allied Commercial Businesses
Educator
Extension Specialist
Greenhouse Operator
Ground Administrator
Horticulturalist
Horticultural Product Sales & Marketing
Landscape Plant Production and Use
Landscape Nurseries
Landscape Operation

Owner/Manager of Horticultural Business
Plant Breeder
Plant Grower
Plant Production Technician
Plant Propagator
Pollination Specialist
Public Outreach
Researcher
Retail Business

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.)

Bureau of Labor Statistics Occupational Outlook Handbook	http://data.bls.gov/search/query
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
Riley Guide: Careers in Earth, Water, & Environ Sci	www.rileyguide.com/env.html

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

UMass Amherst Specific Job Search Resources

* UMass Handshake Database of Internships & Jobs	https://umass.joinhandshake.com/
* 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 Collar Blog: Job Boards and Job Fairs	www.ejobs.org/states
Green Dream Jobs	www.sustainablebusiness.com
* Green Drinks Springfield (hub of local communities)	www.facebook.com/GreenDrinksSpringfield
* Green Jobs (store resumes & apply through site)	http://www.greenjobs.net/
Green Job Search	www.greenjobsearch.org
GreenBiz Jobs Board	http://jobs.greenbiz.com
Global Vision International Careers Abroad	www.careersabroad.co.uk/vacancies
* LinkedIn Green Job and Career Network	www.linkedin.com/groups?gid=77194
* Local Internships	https://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://www.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 Map of Clean Energy Internship Sites <http://masscec.maps.arcgis.com/apps/Viewer>
- 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/>