Plant and Soil Sciences... Now What?

Quick Facts: Plant and Soil Scientists and Specialists

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<th>2020 Median Pay</th>
<th>Entry-Level Education</th>
<th>Work Experience in a Related Occupation</th>
<th>On-the-job Training</th>
<th>Number of Jobs, 2019</th>
<th>Job Outlook, 2019-29</th>
<th>Annual Projected Job Openings</th>
</tr>
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<td></td>
<td>$73,040 per year</td>
<td>Graduate school</td>
<td>None</td>
<td>None</td>
<td>17,800</td>
<td>7%</td>
<td>1,900</td>
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</tbody>
</table>

[Found on the Occupational Outlook Handbook and Career Stop]
https://www.bls.gov/oes/current/oes191013.htm

What is Plant and Soil Science?

Through theoretical and practical training, the Plant and Soil Sciences major prepares students to tackle real-world problems by integrating and applying knowledge they learn from different disciplines. This major includes rigorous training in biology and laboratory methods. Students focus their study in one of two general areas: plant science or soil science. They may also choose to focus their advanced course work in horticultural science, plant pathology, plant science and biotechnology, soil science or a related discipline. Many successful graduates work in research or applied aspects of the biotech industries, agricultural and horticultural businesses, environmental consulting arenas, and pest management. Others go on for advanced graduate training for careers in academia, business, or the public sector.

What Can I Do With A Degree In Plant and Soil Sciences?

- Agronomist
- Crop Nutrition Scientist
- Microbiology Soil Scientist
- Research Soil Scientist
- Soil Scientist
- Agronomy Specialist
- Extension Specialist
- On-Site Soil Evaluator
- Soil Fertility Extension Specialist

Where Might I do an Internship?

- Bartlett Tree Experts
- Bioshelters Inc.
- Bose Corp.
- Bristol-Myers Squibb
- Campaign to Save the Environment
- CVS
- Conservation Services Group, Inc. (CGS)
- Greenpeace, Inc
- Inari Agriculture
- JMP Environmental Consulting Inc
- Massachusetts Division of Fisheries & Wildlife
- MassPIRG
- Media Education Foundation
- Nature Conservancy (The)
- Northampton (City of)
- Northeast Sustainable Energy Association
- Raytheon Company
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

(Blink 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

Plant and Soil 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 Plant & Soil Sciences  https://www.umass.edu/ses/program/plant-soil-sciences-bs
* UMass Amherst Local Sustainability Jobs/Internships  www.umass.edu/sustainability/resources
Job Seeker Environmental Jobs Newsletter  www.umass.edu/careers/jobsearch/listings

Plant and Soil Science Jobs
Center for Ecological Technology (Northampton!)  https://www.cetonline.org/jobs/
Cool Works Jobs in Great Places  www.coolworks.com
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  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  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
Texas A&M Wildlife & Fisheries Jobs Board (some int'l)  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 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/

Professional Organizations  (* = of particular note)
Many professional organization’s websites have career information on them. You can often use them to search for networking events, meet a mentor in your field of study, find current research, search for internships or jobs, and gain insight into what direction within the field you may wish to pursue.

American Geological Institute (Geosci & Public Policy) www.americangeosciences.org
American Water Works Association www.awwa.org
Assoc for Advancement of Sustainability in Higher Ed www.aashe.org/resources
Assoc for Environmental Studies and Sciences http://aessonline.org/
Ecological Society of America: Fieldwork Internships www.esa.org
Local Govt Environmental Assistance Network www.lgean.org (has grants & funding opps)
National Council for Science and the Environment www.ncseonline.org
National Environmental Health Association www.neha.org
Natl Assoc for Environmental Professionals (NAEP) www.naep.org
National Renewable Energy Lab www.nrel.gov
N. American Board of Certified Energy Practitioners www.nabcep.org
* Northeast Sustainable Energy Association (Greenfield) www.nesea.org
Society for Conservation Biology www.conbio.org
Society of Wetland Scientists http://sws.org
US Environmental Protection Agency www.epa.gov
US National Institutes of Health (NIH) www.nih.gov
US NIH: Natl Institute of Environmental Health Sciences www.niehs.nih.gov/index.cfm
* Western Mass Green Consortium http://westernmassgreenconsortium.org