

**PLANT & SOIL SCIENCES AND RELATED UNDERGRADUATE MAJORS FROM AG UNIVERISTY
LISTING (D.J. McAllister/J.M. Fernandez; Source: Internet, March 17, 2008)**

LAND GRANTS

University of Alaska – Fairbanks

Natural Resource Management with option in:

Plant, Animal and Soil Sciences

<http://www.uaf.edu/salrm/students/undergrad.html>

University of Arizona

Plant Sciences with options in:

Controlled Environmental Ag

Horticulture Systems

Plant Biology

Plant Microbiology

Agronomy with options in:

Turfgrass Management

Crop Production

<http://ag.arizona.edu/general/departments.html>

University of Arkansas

Environmental, Soil, and Water Sciences

Crop Management

Horticulture

<http://admissions.uark.edu/students/majors/>

University of California-Davis

Crop Science and Management

Viticulture and Enology

Environmental Horticulture and Urban Forestry with specialization in:

Urban Forestry

Floriculture/Nursery

Landscape Management/Turf

Plant Biodiversity and Restoration

Landscape Architecture

Soil and Water Science

<http://caes.ucdavis.edu/ugmajors/undergraduate-majors>

Clemson University

Horticulture
Soils and Sustainable Crop Systems
Turfgrass

<http://www.clemson.edu/CAFLS/academics/index.htm>

Colorado State University

Horticulture with concentrations in:

Floriculture
Horticultural Business Management
Horticultural Food Crops
Horticulture Therapy
Horticultural Science
Viticulture and Enology

Soil and Crop Sciences with concentrations in:

Agronomic Production Management
Applied Information Technology
Environmental Soil Science
International Soil and Crop Science
Plant Biotechnology
Genetics and Breeding
Soil Resources and Conservation

Landscape Architecture

Landscape Horticulture with concentrations in:

Landscape Design and Contracting
Nursery and Landscape Management
Turf Management

<http://admissions.colostate.edu/Academics/Colleges/AgriculturalSciences.aspx>

University of Connecticut

Horticulture
Turfgrass and Soil Science
Landscape Architecture
Environmental Science with specialization in:
Soil Science

<http://www.myagrn.uconn.edu/degrees.html>

Cornell University (NY)

Landscape Architecture

Plant Science with concentrations in:

Crop Science and Agronomy

Horticulture

Plant Biology

Plant Breeding and Genetics

Plant Pathology

Plant Protection

<http://www.cals.cornell.edu/cals/prospective/admissions/academic-programs/index.cfm>

Delaware State University

Plant Science with options in:

Agronomy

Horticulture

http://www.desu.edu/colleges/cars/ag_nat_res/

University of Delaware

Landscape Horticulture

Plant Science

Environmental Soil Science

<http://ag.udel.edu/plsc/index.htm>

University of Florida

Botany with specializations in:

Basic Botany

Pre-professional Botany Track

Golf and Sports Turf Management

Horticulture Science with specializations in:

Horticulture Production

Horticulture Science

Organic Crop Production

Plant Molecular and Cell Biology

Landscape and Nursery Horticulture with specializations in:

Environmental Horticulture Operations

Landscape and Nursery Management

Public Garden Management

Plant Science – Agronomy with specializations in:

Science and Technology

Sustainable Crop Production and Management

Plant Science – Plant Pathology with specializations in :

Agriculture Technology

Biotechnology

Soils and Water Science

<http://cals.ufl.edu/undergraduate/majors.html>

Fort Valley State University (GA)

Ornamental Horticulture

Plant Science (Environmental Soil Science, Horticulture, and Crop Science)

http://www.ag.fvsu.edu/acad/undergraduate_programs.cfm

University of Georgia

Horticulture

Landscape and Grounds Management

Turfgrass Management

Water and Soil Resources

<http://www.caes.uga.edu/academics/programs.html>

University of Hawaii – Hilo

Agroecology and Environmental Quality

Crop Protection

Tropical Horticulture

<http://www.uhh.hawaii.edu/academics/cafnrm/specializations.php>

University of Hawaii – Manoa

Plant and Environmental Biotechnology with specialty in:

Environmental and Microbial

Plant Biotechnology

General Biotechnology

Insect and Pathogen

Aquaculture and Bioreactor

Plant and Environmental Protection Sciences

<http://www.ctahr.hawaii.edu/ctahr2001/Academics/ProgDegrees.html>

University of Idaho

Agroecology, Horticulture, Environmental Quality with options in:

Crop and Weed Science

Entomology

Horticulture and Urban Landscape Management

Soil and Land Resources

<http://www.ag.uidaho.edu/departments.htm>

University of Illinois

Crop Science

Horticulture

Natural Resources and Environmental Science

<http://www.aces.uiuc.edu/>

Iowa State University

Agronomy with options in:

- Agroecology
- Management and Business
- Plant Breeding and Biotechnology
- Research and Development
- Soil and Environmental Science

Horticulture with options in :

- Environmental Horticulture
- Greenhouse Production and Management
- Fruit and Vegetable Production and Management
- Horticulture Communications and Public Education
- Planting, Design, and Installation
- Nursery Crops Production and Landscape Management
- Public Garden Management and Administration
- Science
- Turfgrass Management

Seed Science (secondary major)

<http://www.ag.iastate.edu/departments.php>

Kansas State University

Agronomy with options in:

- Soil and Environmental Science
- Business and Industry
- Consulting and Production
- Plant Science and Biotechnology
- Range Management

Horticulture with options in:

- Fruit and Vegetable Production
- Golf Course Management
- Greenhouse Management
- Horticulture Science
- Horticulture Therapy
- Landscape Design
- Landscape and Turf Management
- Nursery Management

<http://www.ag.k-state.edu/DesktopDefault.aspx?tabid=402>

University of Kentucky

Horticulture, Plant, and Soil Science with options in:

- Crops and Livestock
- Crops and Soils
- Horticulture Enterprise Management
- Horticulture Science
- Plant Pest Management
- Soil and Water Environmental Science
- Turfgrass Science

Landscape Architecture

http://www.ca.uky.edu/students/welcome/majors_minors.asp

Langston University (OK)

Agricultural Science with concentration in:

- Agribusiness Urban
- Animal Science Urban
- Crop and Soil Science Urban
- Natural Resource Management

http://www.lunet.edu/index.php?option=com_content&task=view&id=14&Itemid=64

Louisiana State University

Plant and Soil Systems with options in:

- Agriculture Pest Management
- Crop Management
- Soil Science
- Horticulture Science
- Environmental Horticulture
- Landscape Management
- Turf grass Management
- Urban Entomology

<http://www.coa.lsu.edu/student.html>

University of Maine

Botany

Landscape Horticulture with concentrations in:

- Business
- Design
- Horticulture Therapy
- Science

<http://www.umaine.edu/about/academicprograms/natsci.htm>

University of Maryland Eastern Shore

General Agriculture with concentrations in:

- Agricultural Education
- Plant and Soil Science
- Animal and Poultry Science
- Agricultural Studies

Environmental Sciences

<http://www.umes.edu/Academic/SANS/index.aspx?id=725>

University of Maryland

Majors in:

- Plant Science
- Landscape Architecture
- Agriculture Science and technology

Options in:

- Plant Science
- Turf and Golf Course Management
- Urban Forestry
- Horticulture and Crop Production |
- Landscape Management

Two Year programs in:

- General Ornamental Horticulture
- Golf Course Management
- Landscape Management
- Turf Management

<http://agnr.umd.edu/majors.cfm>

University of Massachusetts

(These programs are in the College of Natural Resources and the Environment)

Landscape Architecture

Plant, Soil, and Insect Sciences with tracks in:

Business Management or Science with concentrations in:

General Studies

Ornamental Horticulture

Soil Science

Sustainable Ag – Crop Production

Sustainable Ag – Food Systems

Turfgrass Management

(Two Year programs in the Stockbridge School of Agriculture)

Turfgrass Management

Landscape Contracting

Horticulture

Fruit and Vegetable Crops

<http://umass.edu/umhome/academics/schools.html>

Michigan State University

Crop and Soil Science with options in:

Agronomy

Turfgrass Management

Advanced Study

All with specializations in:

Ag Business Management

Agronomy

Bailey Scholars Connected Learning

Biotechnology

Environmental Economics

Environmental Studies

Food Industry Management

International Agriculture

Environmental Soil Science

Horticulture with concentrations in:

General Horticulture

Horticulture Landscape Design, Construction, and Management

Plant Pathology

Landscape Architecture

<http://www.canr.msu.edu/canrhome/majors.htm>

University of Minnesota

Applied Plant Sciences with emphasis in:

- Plant Improvement
- Agroecology
- Plant Utilization

Environmental Horticulture with emphasis in:

- Floriculture, Nursery Production, and Retail Management
- Landscape Design
- Landscape Implementation and Management
- Turfgrass Science

http://www.cfans.umn.edu/Majors_and_Minors.html

Mississippi State University

Agronomy with concentrations in:

- Agricultural and Environmental Soil Sciences
- Golf and Sports Turf Management
- Integrated Crop Management

Horticulture with concentrations in:

- Floriculture and Ornamental Horticulture
- Retail Floristry Management

Landscape Architecture

Landscape Contracting and Management

<http://www.cals.msstate.edu/prospective/pick/undergrad/>

University of Missouri

Plant Sciences with options in:

- Crop Management
- Landscape Horticulture
- Ornamental Plant Production and Operations Management
- Plant Biology
- Plant Breeding
- Genetics and Biotechnology
- Plant Protection
- Precision Agriculture
- Turfgrass Management

Soil, Environmental, and Atmospheric Science

- Atmospheric Science
- Environmental Science
- Soil Science
- Soil Resource Management

<http://cafnr.missouri.edu/academics/degrees.php>

Montana State University

Biotechnology with an option in:

Plant Systems

Environmental Sciences with options in:

Environmental Biology

Soil and Water Science

Horticulture with options in:

Horticulture Science

Landscape Design

Land Resource Sciences with an option in:

Agroecology

Plant Science with options in:

Plant Biology

Plant Protection

Crop Science

<http://www.ag.montana.edu/students/undergrad.htm>

University of Nebraska

Agronomy

Grassland Ecology and Management

Horticulture

Plant Biology

Plant Protection Science with options in:

Entomology

Plant Pathology

Weed Science

Professional Golf Management

<http://casnr.unl.edu/ProspectiveStudents/AcademicPrograms>

University of Nevada – Reno

No programs specifically in the Plant Sciences

<http://www.ag.unr.edu/cabnr/students/majors/bachelors.htm>

University of New Hampshire

Environmental Horticulture

Plant Biology (B.S. and B.A.)

<http://www.colsa.unh.edu/academics/majors.html>

New Mexico State University

Agronomy with options in:

- Agricultural Business
- Agricultural Journalism
- Crop Consulting
- General Agronomy
- Plant Genetics

Horticulture with options in:

- Horticultural Business
- Landscape Design
- Crop Consulting
- Ornamental Horticulture
- Plant Genetics

Soil Science with options in:

- Environmental Resource Management
- Soils
- Soil and Water Science

Environmental Science with an option in:

- Soil Science

<http://www.cahe.nmsu.edu/academics/degrees.html#envisci>

North Carolina State University

Agronomy/Crop Science with options in:

- Crop Production
- Agronomic Science
- Turfgrass Management
- Agronomic Business
- Soil Science

Botany

Environmental Science

Horticulture Science

<http://harvest.cals.ncsu.edu/index.cfm?showpage=97>

North Dakota State University

Crop and Weed Science with options in:

- Biotechnology
- Production
- Science
- Weed Science
- Agricultural Business

Horticulture with options in:

- Horticulture Biotechnology
- Horticulture Science
- Landscape Design
- Production/Business
- Urban Forestry and Parks

Soil Science

Sports and Urban Turf Management

<http://www.ag.ndsu.edu/academics/undergrad.htm>

Ohio State University

Crop Sciences

Landscape Horticulture

Plant Health Management

Professional Golf Management

Turfgrass Science

http://cfaes.osu.edu/current-students/academics-advising/copy_of_honors/copy2_of_majors-degrees

Oklahoma State University

Horticulture with options in:

- Public Horticulture
- Turfgrass Management
- Horticulture

Landscape Architecture

Landscape Contracting

Plant and Soil Sciences with options in:

- Crop Science
- Ecosystem Management
- Soil Science

<http://www.casnr.com/academics/majors>

Oregon State University

Botany
Crop Management
Soil Resource Management
Horticulture with options in:
 Integrated Horticulture Production
 Turfgrass and Landscape Maintenance
 Viticulture and Enology
 Horticulture Research
 Horticulture Communications

<http://agsci.oregonstate.edu/students/undergrad/current/departments/>

University of Puerto Rico – Mayaguez

Horticulture

<http://www.uprm.edu/agricultura/>

Purdue University

Environmental Plant Studies
Environmental Soil Science
Horticulture Production and Marketing
Horticulture Science
International Agronomy
Landscape Architecture
Landscape Horticulture and Design
Plant Biology
Plant Genetics and Breeding
Public Horticulture
Soil and Crop Management
Soil and Crop Science
Turf Science

<http://www.agriculture.purdue.edu/oap/majorsminors/majorsminors.asp>

University of Rhode Island

Urban Horticulture and Turfgrass Management
Environmental Plant Biology
Landscape Architecture

<http://www.uri.edu/cels/acadprograms/ugdegrees.html>

Rutgers University (NJ)

Agricultural Science with options in:

Agroecology

Plant Science

Environmental Planning and Design with options in:

Landscape Architecture

Landscape Industry

Plant Science with options in:

Horticulture and Turfgrass Industry

Research

Professional Preparation

http://catalogs.rutgers.edu/generated/nb-ug_current/pg21037.html

South Dakota State University

Agronomy with options in:

Science

Business

Production

Horticulture

Landscape Design

<http://www3.sdstate.edu/Academics/CollegeOfAgricultureAndBiologicalSciences/ABSMajors/>

Southern University Ag Center (Baton Rouge, LA)

Program areas in:

Sustainable Plant and Animal Production Systems

Urban Forestry, Natural Resource and Environment

http://www.suagcenter.com/proarea_res.html

Tennessee State University

Agricultural Sciences with concentration in:

Plant and Soil Science with specializations in:

Agronomy

Horticulture

<http://agfacs.tnstate.edu/>

University of Tennessee

Plant Sciences with options in:

Landscape Design and Construction

Public Horticulture

Turfgrass Science and Management

Plant Science, Biotechnology, and Horticulture with tracks in:

Production Horticulture

Science and Biotechnology

Environmental and Soil Sciences with options in:

Environmental Science

Soil Science

Agricultural Systems Technology

<http://casnr.tennessee.edu/academicprograms/index.htm>

Texas A&M University

Agronomy with options in:

Agro-Industry

Soil and Crop Management

Turfgrass Management

Floriculture

Horticulture

Plant and Environmental Soil Science

http://aglifesciences.tamu.edu/prospectives/soils_academicprogs.html

Tuskegee University

Plant and Soil Sciences with options in:

Science

Business

Horticulture

http://www.tuskegee.edu/Global/story.asp?S=1087359&nav=menu200_9

University of the District of Columbia

No Plant Science programs

<http://www.udc.edu/programs/programs.htm>

Utah State University

Horticulture (B.S. or B.A.) with emphasis in:

Turfgrass

Landscape Maintenance and Construction

Ornamental Horticulture

Science

Business

Crop Science (B.S. or B.A.) with emphasis in:

Agronomy

Research Biotechnology

Environmental Soil and Water Science (B.S. or B.A.) with emphasis in:

Water

Plants

<http://psc.usu.edu/htm/students/undergraduate/undergraddegrees>

University of Vermont

Plant Biology (B.A. through College of Arts and Sciences)

Plant Biology (B.S. through College of Ag. and Life Sciences) with options in:

General Plant Biology

Evolution and Ecology of Plants

Plant Molecular Biology

Sustainable Landscape Horticulture

Ecological Agriculture

http://www.uvm.edu/cals/?Page=collegeinfo/departments_programs.html&SM=collegeinfo_submenu.htm

University of the Virgin Islands – St. Croix

Programs in: (Agricultural Experiment Station)

Horticulture

Agronomy

Biotechnology and Agroforestry

http://rps.uvi.edu/AES/aes_home.html

Virginia State University – Petersburg

Plant Sciences

<http://www.vsu.edu/pages/2957.asp>

Virginia Tech University

Crop and Soil Environmental Sciences with options in:

- Agroecology
- Biotechnology
- International Agriculture
- Soil-Environmental Sciences
- Turfgrass Management

Horticulture with options in:

- Horticulture Crops Production
- Landscape Contracting
- Horticulture Science and Biotechnology
- Horticulture Education

<http://www.cals.vt.edu/students/undergraduate/>

Washington State University

Crop Sciences with options in:

- Cropping Systems
- Business and Industry
- Turf Management
- Crop Science/Biotechnology

Soil Science with options in:

- Environmental Soil Science
- Soil Management
- Sustainable Agriculture

Horticulture with options in:

- Environmental Horticulture
- Fruits and Vegetables
- Tree Fruit Management
- Viticulture and Enology

Landscape Architecture

<http://academic.cahnrs.wsu.edu/majors/index.html>

West Virginia State University

Agriculture and Environmental Research Station

<http://aceop.wvstateu.edu/research?phpMyAdmin=502a7ff0cdb9aa5a30eced9a86a96038>

West Virginia University

Agroecology
Agronomy
Horticulture
Landscape Architecture
Soil Science

<http://www.caf.wvu.edu/college/majors/undergrad/index.html>

University of Wisconsin

Agronomy with options in:

Natural Sciences
Natural Resources
International Agriculture and Natural Resources
Agricultural Business and Industry
Agricultural Production and Technology

Horticulture with options in:

Landscape Horticulture
Turfgrass

Landscape Architecture with options in:

Professional Design Program
Natural Resource Planning and Management Program

Plant Pathology with options in:

Natural Sciences
Agricultural Sciences
International Agriculture and Natural Resources

Soil Sciences with options in:

Natural Sciences
Natural Resources
International Agriculture and Natural Resources
Agricultural Business and Industry
Agricultural Production and Technology

<http://www.cals.wisc.edu/students/majors/>

University of Wyoming

Agroecology
Agroecology/Environment and Natural Resources

http://uwadmnweb.uwyo.edu/agPROGRAMS/Departments_Degrees.asp

NON-LAND GRANTS

Berea College (KY)

No Plant Sciences – Major in General Agriculture and Natural Resources

<http://www.berea.edu/anr/majorsminors.asp>

Cal Poly

Crop Science

Environmental Horticultural Science with specializations in:

Turfgrass Production/Management

Floriculture/Greenhouse Production

Horticulture Biotechnology

Landscape Contracting/Irrigation

Nursery Production

Horticulture Communication

Retail and Marketing Horticulture

Landscape Design Maintenance

Fruit Science

Soil Science with specializations in: (website says largest Undergrad Soil Science program in nation)

Land Resources

Environmental Management

Environmental Science and Technology

Wine and Viticulture with specializations in:

Enology

Viticulture

Wine Business

<http://cagr.calpoly.edu/departmentsandmajors/index.asp>

California State University-Fresno

Plant Science with options in:

Crop Production Management

Plant Health

Viticulture

Enology

<http://cast.csufresno.edu/main/departments2.htm>

College of Forestry and Conservation – University of Montana

No specific programs in the Plant Sciences

<http://www.cfc.umt.edu/academics/curriculum/undergraduate.aspx>

Delaware Valley College

Environmental Science
Turf Management
Crop Science
Plant Sciences and Biotechnology
Commercial Crop Production & Marketing/Plant Health Management
Hydroponics Crop Science
Environmental Design
Floriculture & Nursery Production and Marketing
Landscape Contracting and Management

<http://delval.edu/cms/index.php/delval/departments/academics/C15/>

Illinois State University

Agribusiness with specialization in:
Horticulture

<http://www.agriculture.ilstu.edu/undergraduate/programs/>

Louisiana Tech University

Agricultural Business with concentrations in:
Business
Landscape & Turf Management
Crop Science & Management

<http://www.latech.edu/ans/agricultural-sciences/agricultural-business.shtml>

Middle Tennessee State University

Plant and Soil Science

<http://deptabas.web.mtsu.edu/agpages/programs.htm>

Murray State University (KY)

Agronomy
Horticulture

<http://www.murraystate.edu/agr/>

South China Agricultural University

College of Agriculture – 2 undergraduate degrees
College of Horticulture – no information
College of Natural Resources and the Environment – 5 undergraduate degrees

<http://english.scau.edu.cn/academics/academics.htm#horticulture>

Southern Illinois University – Carbondale

Plant and Soil Science with specializations in:

Business

Environmental Studies

General Specialization

Landscape Horticulture

Science Specialization

Turfgrass Management

http://www.coas.siu.edu/default2.asp?active_page_id=165

Sul Ross University (TX)

No specific programs in the Plant Sciences

<http://www.sulross.edu/pages/3221.asp>

Texas Tech University

Landscape Architecture

Agronomy

Horticulture

Plant Biotechnology

http://www.depts.ttu.edu/agriculturalsciences/ugrad_programs.php

CANADIAN AG COLLEGES

University of Alberta

Crop Science

Sustainable Agricultural Systems

<http://www.ales.ualberta.ca/undergraduate.cfm>

University of British Columbia

Agroecology with concentrations in:

Agroecology

Animal Studies

Horticulture

Resource Economics

Soils and Environment

http://www.landfood.ubc.ca/programs/undergrad_program.htm

University of Guelph

Crop, Horticulture, and Turfgrass Sciences

Landscape Architecture

Plant Biology

Plant Biotechnology

Urban Landscape Management

<http://www.oac.uoguelph.ca/prospective/undergraduate/>

From: Debbie McAllister [mailto:djm415@psu.edu]

Sent: Monday, March 03, 2008 4:34 PM

To: J. Marcos Fernandez

Subject: Plant Sciences Info

Dr. Fernandez,

Here is the research information you requested on Plant Sciences programs - including Hort, Soils, Agronomy, Landscape, etc. Because there were many programs to list this time, I just made a list of the universities with the majors they offered and options/concentrations within those majors. I will admit not everyone has the most user-friendly sites, so I apologize if there are some confusions! Also, I highlighted schools with extensive programs and options in red. A lot of the mid-western schools seem to be in this group, with the addition of Florida and some West Coast.

Hope this is what you were looking for, I tried to get a good sampling from across the country. Let me know if you have any additional information, need a different format, or have any questions. Thanks and hope this is a help!

Debbie McAllister OUE, 3-03-08