

HORTICULTURIST





HORTICULTURIST

<http://www.fusiongrant.org/educational.php>

Description:

Horticulturists study crops, trees, flowers, etc. to improve crop yield, nutritional value, quality and resistance to diseases, insects, and stressful environmental conditions. Horticulturists specialize and need to be knowledgeable in a number of fields including plant propagation, genetic engineering, crop production, plant breeding, plant physiology, plant biochemistry, processing and storage of a variety of fruits, vegetables, trees, flowers, etc.

Median Wage (as of 2005):

\$58,040

Level of Education:

A.A.S., B.S. (required), M.S. & Ph.D. (research careers)

Job Outlook (through 2014):

9 - 17% increase in number of jobs

Examples of Colleges & Affiliated Programs:

Cornell University – Plant Science; Natural Resources; Agricultural Sciences; Biological Sciences; Environmental Undecided

SUNY College of Environmental Science and Forestry – Environmental Resources and Forest Engineering; Conservation Biology; Environmental Biology; Landscape Architecture; Natural Resources Management

Finger Lakes Community College (FLCC) – Ornamental Horticulture - Landscape Development; Biology; Environmental Studies; Natural Resources Conservation

Alfred State (SUNY) – Ornamental Horticulture - Landscape Development; Agricultural Science; General Agriculture

Morrisville State College (SUNY) – Horticulture; Horticulture Business Management; Renewable Resources; Landscape Architecture Studies

Employers:

Private Sector – Cummins Nursery; De Maria Nurseries, LLC; Wave Hill; SavATree/SavALawn; Almstead Tree and Shrub Care Co.; Davey Tree Expert Co.

Colleges & Universities – Cornell University; SUNY College of Environmental Science and Forestry; SUNY Stony Brook

Federal, State and Local Governments – New York State Department of Environmental Conservation; New York State Department of Agriculture & Markets; United States Department of Agriculture; United States Department of the Interior; National Institute of Health; National Science Foundation; United States Department of Defense

High School/College Courses to Take:

Plant Sciences, Natural Resource Management, Environmental Policies, Soil Ecology

Biology, Microbiology

Chemistry, Organic Chemistry

Mathematics – Trigonometry, Algebra, Statistics

Oral and Written Communications, Computer Science



Cornell University