

PLANT

GENETICIST





PLANT GENETICIST

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

Description:

Studies plants' DNA makeup and how they respond to a variety of situations to help improve food quality and production. Plant Geneticists also help to create new plant hybrids.

Median Wage (as of 2005):

\$85,170

Level of Education:

B.S., M.S. Ph.D. (recommended)

Job Outlook (through 2014):

9-17% increase in number of jobs

Examples of Colleges & Affiliated Programs:

Cornell University – Plant Science; Biological Science, Biometry and Statistics; Chemical and Biomolecular Engineering; Biological and Environmental Engineering; Chemistry

SUNY Cobleskill – Plant Science; Crop Production and Soil Science; Chemistry

University of Vermont – Biochemistry; Biological Sciences; Botany; Plant and Soil Science; Molecular Genetics

Rutgers University – Biochemistry; Biotechnology; Botany; Biology; Biomedical Technology; Biological Sciences; Cell Biology and Neuroscience; Genetics; Chemistry

Delaware State University – Biological Sciences; Biotechnology; Chemistry; Molecular and Cellular Neuroscience; Plant Science

Employers (NY):

Federal and State Governments – USDA; FDA; Federal and State Departments of Health; New York State Department of Agriculture

Colleges & Universities – Cornell University; New York State Agricultural Experiment Station; Purdue University; Rutgers University; University of Michigan

Private Sector – Monsanto; Syngenta; Ceres, Inc.; Mendel Biotechnology, Inc.

High School/College Courses to Take:

Biology, Chemistry, Biochemistry, Plant Science, Biotechnology Courses

Computer Skills

Oral and Written Communications