Career Opportunities for Majors in Genetics

Introduction
An undergraduate major in genetics is offered by the Department of Genetics within the Division of Life Sciences. Students in this major have the opportunity to participate in research and learn how discoveries in science are made. Courses cover a wide range of topics, from molecular genetics to genomics and bacterial physiology. Students will learn to design experiments, carry out research using the appropriate laboratory techniques and analyze and interpret data. They also learn to communicate their discoveries through a written article appropriate for publication in a peer-reviewed Genetics journal, and through talks or posters appropriate for scientific meetings. This course of study prepares students for careers in biological research, biotechnology, and the health professions.

Most graduating majors attend graduate or professional school (medicine, dentistry, optometry, osteopathic medicine, etc.) or obtain a technical position doing research in industry or in an academic institution. Many careers do not require a specific major but rather a wide range of demonstrated skills and accomplishments. Regardless of your career choices, increase your marketability to employers through internships, responsible work experience, good grades and involvement in college activities. Job opportunities are substantially enhanced for students with other marketable skills such as computers, mathematics or language. A bachelor’s degree is sufficient for many technician jobs in the medical field, lab/research assistant positions, or testing jobs. An advanced degree is required for most other positions in the scientific and medical research fields.

Jobs Obtained by Genetics Alumni

Analyst
Assistant Professor of Neurology and Neurosurgery
Associate
Associate Consultant
Associate Medical Director
Bioinformatics Analyst
cGMP Biologist
Clinical Genomics Coordinator
Clinical Research Coordinator
Dentist
Forensic Criminologist
Genetic Counselor

Regeneron Pharmaceuticals
University of Rochester Medical Center
BioArray Solutions
Syneos Health
Ogilvy Health
New York Genome Center
American Type Culture Collection
BioReference Laboratories Inc. /Genpath Oncology
Columbia University Irving Medical Center
VA Northern California Healthcare System
NYC Office of the Chief Medical Examiner
Boston Children’s Hospital, Icahn School of Medicine, LabCorp, Northside Hospital, Atlanta, Sema4, University of Texas Physicians, RWJMS
Vagelos College of Physicians and Surgeons
National Human Genome Research Institute
CureMD

Health Science Policy Analyst
Healthcare Product Manager
Lab Technician

Columbia University, Rutgers University, U. of Vermont
School of Medicine, U. of Washington

Patient Care Technician
Physical Therapist
Physician

Atlantic Health Systems
Morristown Medical Center
Robert Wood Johnson University Hospital, Navy, Stanford
University Hospital, University of Illinois at Chicago
Adaptimmune
Modern Meadow
Self Employed
Biomeme Inc.
Regeneron Pharmaceuticals
Alsgen, Inc, Memorial Sloan Kettering, Rutgers University
Fox Chase Cancer Center
UPENN- Perelman School of Medicine
Children’s Hospital Philadelphia
GENEWIZ
National Human Genome Research Institute
Kelly Scientific Resources
GENEWIZ
Johnson & Johnson
Amicus Therapeutics
McCarter & English, LLP
NYC Dept. of Education, Teach for America
GENEWIZ

Graduate Schools Attended

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<th>Institution</th>
<th>Degree</th>
<th>Field</th>
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<tr>
<td>Albany Medical College</td>
<td>M.D.</td>
<td>Medicine</td>
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<tr>
<td>Albert Einstein College of Medicine</td>
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<td>Brandeis University</td>
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<td>Cornell University</td>
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<td>Molecular Biology &amp; Genetics</td>
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<td>CUNY at City College</td>
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<td>Des Moines University</td>
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<td>Osteopathic Medicine</td>
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<td>Drexel College of Medicine</td>
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<td>Medicine</td>
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Duke University          Ph.D.          Genetics and Genomics  
Duke University          Ph.D.          Neurobiology or Molecular Genetics  and Microbiology  
Eastern Virginia Medical School          M.A.          Bioethics and Science Policy  
Emory University School of Medicine          M.D.          Medicine  
Icahn School of Medicine at Mount Sinai          M.S.          Human Genetics, Genetic counseling  
Icahn School of Medicine at Mount Sinai          M.S.          Biomedical Informatics  
Icahn School of Medicine at Mount Sinai          M.S.          Genetic Counseling  
Johns Hopkins          M.S.          Biotechnology  
Johns Hopkins University          Ph.D.          Cell, Molecular, Developmental Biology,  and Biophysics  
Kean University          M.S.          Genetic Counseling  
King's College London          M.S.          Genes, Environment, and Development in  Psychology and Psychiatry  
New York University          D.D.S.          Dental Surgery  
Northwestern University Feinberg School of Medicine          M.D./Ph.D.          Medicine  
Northwestern University Feinberg School of Medicine          M.S.          Genetic Counseling and Medical Humanities  and Bioethics  
Oxford          M.S.          Physiology, Anatomy, and Genetics  
Penn Dental Medicine          D.M.D.          Dental Medicine  
Penn State College of Medicine          M.D.          Medicine  
Penn State University          Ph.D.          Bioengineering  
Penn State University          Ph.D.          Bioinformatics and Genomics  
Rowan University          M.S.          Biomedical Sciences  
Rutgers Law School- Newark          J.D.          Law  
Rutgers NJMS          M.S.          Biomedical Sciences  
Rutgers University          M.B.S.          Business Science  
Rutgers University          M.S.          GSBS  
Rutgers University          M.B.S.          Drug Discovery and Development  
Rutgers University          M.S.          Biomedicine  
Rutgers University          M.B.S.          Biotechnology and Genomics  
Rutgers University          Ph.D.          Molecular Genetics  
Rutgers University          Ph.D.          Plant Biology  
Rutgers University          D.P.T.          Physical Therapy  
Rutgers University          M.D.          Medicine  
Sarah Lawrence          M.S.          Human Genetics, Genetic Counseling  
St. George's University School of Medicine          M.D.          Medicine  
Stony Brook          M.S.          Physician's Assistant  
Tel Aviv University          Ph.D.          Human Genetics and Microbiology  

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