

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	Regeneron Pharmaceuticals
Assistant Professor of Neurology and Neurosurgery	University of Rochester Medical Center
Associate	BioArray Solutions
Associate Consultant	Syneos Health
Associate Medical Director	Ogilvy Health
Bioinformatics Analyst	New York Genome Center
cGMP Biologist	American Type Culture Collection
Clinical Genomics Coordinator	BioReference Laboratories Inc. /Genpath Oncology
Clinical Research Coordinator	Columbia University Irving Medical Center
Dentist	VA Northern California Healthcare System
Forensic Criminologist	NYC Office of the Chief Medical Examiner
Genetic Counselor	Boston Children's Hospital, Icahn School of Medicine, LabCorp, Northside Hospital, Atlanta, Sema4, University of Texas Physicians, RWJMS Vagelos College of Physicians and Surgeons
Health Science Policy Analyst	National Human Genome Research Institute
Healthcare Product Manager	CureMD
Lab Technician	Columbia University, Rutgers University, U. of Vermont

School of Medicine, U. of Washington

Patient Care Technician	Atlantic Health Systems
Physical Therapist	Morristown Medical Center
Physician	Robert Wood Johnson University Hospital, Navy, Stanford University Hospital, University of Illinois at Chicago
Principal Scientist	Adaptimmune
Project Manager	Modern Meadow
Project Manager/Marketing Manager	Self Employed
Quality Control Technician	Biomeme Inc.
R&D Associate	Regeneron Pharmaceuticals
Research Associate	Alsgen, Inc, Memorial Sloan Kettering, Rutgers University
Research Scientist	Fox Chase Cancer Center
Research Specialist	UPENN- Perelman School of Medicine
Research Technician	Children's Hospital Philadelphia
Sales Associate	GENEWIZ
Scientific Program Analyst	National Human Genome Research Institute
Scientific Recruiter	Kelly Scientific Resources
Senior Associate Study Manager	GENEWIZ
Senior Safety Specialist	Johnson & Johnson
Sr. Associate Clinical Trial Manager	Amicus Therapeutics
Law Clerk	McCarter & English, LLP
Teacher	NYC Dept. of Education, Teach for America
Team Lead	GENEWIZ

Graduate Schools Attended

Institution	Degree	Field
Albany Medical College	M.D.	Medicine
Albert Einstein College of Medicine	M.D.	Medicine
Arcadia University	M.S.	Genetic Counseling
Brandeis University	M.S.	Genetic Counseling
Case Western Reserve School of Medicine	M.D.	Medicine
Cooper Medical School- Rowan University	M.D.	Medicine
Cornell University	Ph.D.	Molecular Biology & Genetics
CUNY at City College	M.A.	Sciences Education
Des Moines University	D.O.	Osteopathic Medicine
Drexel College of Medicine	M.D.	Medicine

Duke University	Ph.D.	Genetics and Genomics
Duke University	Ph.D.	Neurobiology or Molecular Genetics and Microbiology
Duke University	M.A.	Bioethics and Science Policy
Eastern Virginia Medical School	M.D.	Medicine
Emory University School of Medicine	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
RWJMS	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

The Rockefeller University	Ph.D.	Bioscience
Tulane University School of Medicine	M.S.	Medical Genetics and Genomics
Tulane University School of Medicine	M.D.	Medicine
UCSF	D.D.S.	Dental Surgery
UNC at Chapel Hill	Ph.D.	Cell Biology and Physiology
University of Miami	Ph.D.	Human Genetics and Genomics
University of Albany	M.P.H.	Social Behavior and Community Health
University of Bridgeport	D.C.	Chiropractic
University of Pennsylvania	M.S.	Bioengineering
University of Texas (Houston)	M.S.	Biomedical Sciences
Upstate Medical University	M.D./Ph.D.	Medicine
William Carey University	D.O.	Osteopathic Medicine
Yale	M.P.H.	Public Health