

BIOLOGY – GENETICS EMPHASIS

The genetics emphasis is designed for students interested in careers or biomedical science. Beginning with a solid foundation in biological sciences provided by the standard B.S. in biology, this program includes additional coursework and experiences in biochemistry, animal development and genetics. All students in the genetics emphasis will complete a laboratory research project in genetics, the results of which will be presented in a public seminar.

Most careers relating to genetics are based in the health services, such as hospitals, pharmaceutical companies and universities. As genetic-based technology develops, opportunities arise in food and drink companies, health and beauty care, biotechnology and research and consultancy companies. The government-sponsored research councils have laboratories which recruit scientists, but usually following a higher degree.

<p>Career Titles</p> <p>Some of these positions may require additional education or training above a Bachelor's degree.</p>	<ul style="list-style-type: none"> Animal Scientist Aquaculture Farmer Aqua culturist Aquarium & Museum Technician Aquatic Biologist Barrier Beach Manager Bio-Engineer Bio-Technologist Biochemist Botanist Clinical Molecular geneticist Coastal Resources Manager Coroner Dentist Dietician & Nutritionist Ecologist Environmental Engineer Environmental Protection Ergonomist Fish Hatchery Technician Fisheries Conservation Florist Food Scientist Technician Forester 	<ul style="list-style-type: none"> Genetic Engineering Research Geographer Health Officer Horticulturist Hospital Administrator Industrial Hygienist Marine Biologist Marine Engineering Tech Marine Geologist Marine Tourist Worker Medical Illustrator Medical Research Scientist Medical Sales Representative Meteorologist Microbiologist Oceanographer Neurobiologist Pharmacy Technician Paramedic Physiological Scientist Public Health Worker Science Teacher Science Lab Technician Toxicologist Water Quality Technician
<p>Employment Settings</p>	<ul style="list-style-type: none"> Industry & Laboratories Pharmaceutical companies Healthcare Agriculture Production Food Processing & Safety Environmental Private Research Institutions Public Health Departments State & Federal Government 	<ul style="list-style-type: none"> Colleges & Universities Veterinary hospitals Museums Conservation Agencies Hospitals, medical centers, clinics Private Practice Armed Services Medical & professional schools Nature centers

ONLINE RESEARCH

- HireBio <http://www.hirebio.com>
- HireHealth <http://www.hirehealth.com>
- Medzilla <http://www.medzilla.com/>
- Naturejobs <http://naturejobs.nature.com/js.php>
- Tiny Tech Jobs <http://www.tinytechjobs.com>
- The SciWeb Biotechnology Career Center <http://www.biocareer.com/index.cfm>
- JobClinical <http://www.jobclinical.com>
- Science Careers <http://www.sciencecareers.org>
- The American Academy of Forensic Sciences www.aafs.org
- North Carolina Biotech Center www.ncbiotech.org/ncbio/ncindustry/careers/jobs/jobs.cfm
- BioMedScientist Jobs [Http://careers.the-scientist.com](http://careers.the-scientist.com)
- CDC jobs <http://www.cdc.gov/hrmo/hrmo.htm#empl>
- Pre-Med Internship Opportunities <http://www.rit.edu/%7Eegtfsbi/Symp/premed.htm>
- North Carolina biotechnology center <http://www.ncbiotech.org/ncbio/ncindustry/careers/cfm>
- Careers with the Agricultural Research Service www.ars.usda.gov/careers
- Life Sciences World <http://www.lifesciencesworld.com/>
- MonsterTRAK <http://www.monstertrak.com>
- BioMedScientist jobs www.careers.the-scientist.com
- BioSpace www.biospace.com
- BIOTECH Career Center <http://www.biotechcareercenter.com/index.html>
- Sciencejobs.com: the best jobs from the leaders in bioscience <http://www.sciencejobs.com>
- Biology Jobs and other science jobs <http://www.scijobs.org>
- Biology Job Search Links <http://www.slic.wsu.edu/bios/jobsearch.html>
- Bio View - company information and daily industry news, biotechnology & pharmaceutical employment site, job listings <http://www.bioview.com>
- Science Careers and job hunting <http://recruit.sciencemag.org>
- Maritime Employment Opportunities <http://www.maritimeemployment.com>
- Internship Hotspots <http://www.uncw.edu/stuaff/career/internhotspots.htm>
- Publish & Perish: Guide to On-line Employment and Career Links for the Biomedical Student <http://www.his.com/~graeme/emppo.html>
- CDC Jobs www.cdc.gov/ncch/information/employment.htm
- Biology Jobs <http://www.BiologyJobs.com>
- U.S. Dept of Health & Human Services www.hhs.gov/jobs
www.hhs.gov/careers/students.html
- National Institute of Health <http://www.nih.gov>; For internships go to <http://www.training.nih.gov>
- Careers in Genetic Counseling <http://www.nsgc.org/career/>
- What is an Animal Behaviorist? <http://www.animalbehavior.org/ABS/Guides/Careers.pdf>
OR http://www.animalbehavior.org/ABS/Education/careers_brochure.html
- Science Careers Web <http://www.sciencecareersweb.net/>
- Health Management Careers <http://www.healthmanagementcareers.org/careers/cfm>
- Careers in Forensic Science www.aafs.org
- Careers in Genetic Counseling <http://www.nsgc.org/careers/index.asp>