Genetics – B.S.

About the Degree
The Department of Genetics provides a supportive and unique environment for students to understand the full spectrum of molecular, evolutionary, and population genetics. Our major prepares students for careers in biomedical fields, as well as teaching, academic research, and the pharmaceutical and biotechnology industry. And, our students are competitive for admission to the top medical and professional schools and graduate programs in the country.

Interesting Facts
There are only a few universities in the country that offer a bachelor’s degree in genetics.

Six of the last 21 UGA students to win the Barry M. Goldwater scholarship, the most prestigious undergraduate science honor in the country, have been Genetics majors.

About 75% of our majors go on to graduate or professional schools.

What you will learn
After taking introductory courses in genetics and evolutionary biology, majors may choose from a variety of upper level Genetics courses. Depending on the interests and career goals of a particular student, our majors can also satisfy requirements for major electives by taking upper level courses in other departments. In addition to lecture courses, majors can choose from several different laboratory courses, which focus on molecular genetics, evolutionary genetics, or genomics. The Department strongly encourages undergraduates to pursue independent research with one of our faculty. In addition to the high value placed on research by medical and graduate school admissions committees, an undergraduate research experience serves to consolidate all your Genetics training into a single keystone experience.

Curriculum
http://www.bulletin.uga.edu/MajorSpecific.aspx?MajorId=80

Course Descriptions
http://www.bulletin.uga.edu/CoursesHome.aspx

Degree Details

Accreditation
Please provide accreditation information, if applicable

Other Degrees/Programs Offered
Please provide a list and links to other degrees/programs offered by your department
Research
Genomics and Bioinformatics
Evolutionary Biology
Eukaryotic Molecular Genetics
Evolutionary Ecology
Developmental Biology
Biotechnology
Molecular Evolution
Prokaryotic Molecular Genetics
http://www.genetics.uga.edu/research.html

Outside the Classroom

Student Organizations
Genetics Student Association
https://stuorg.stuact.uga.edu/PublicOrganization/View.action;jsessionid=CA54BAEBFFE25CDBD00DA05EC7836BF3?id=0040b8b01a4a9c21011a63a7b22d0013

Careers

Salaries*
You can find information about careers in genetics and genomics, including educational requirements and median salary, at www.genome.gov/genomicCareers/.

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<thead>
<tr>
<th>Title</th>
<th>Low</th>
<th>High</th>
<th>Median</th>
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<tbody>
<tr>
<td>Sequencing center technician</td>
<td>$24,530</td>
<td>$62,260</td>
<td>$38,400</td>
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<tr>
<td>Biology teacher (secondary school)</td>
<td>$34,280</td>
<td>$80,970</td>
<td>$65,080</td>
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<tr>
<td>Botanist</td>
<td>$34,620</td>
<td>$105,340</td>
<td>$58,390</td>
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<tr>
<td>Molecular geneticist</td>
<td>$35,620</td>
<td>$101,030</td>
<td>$65,080</td>
</tr>
<tr>
<td>Bacterial geneticist/genomicist</td>
<td>$35,620</td>
<td>$101,030</td>
<td>$65,080</td>
</tr>
<tr>
<td>Bioinformatician</td>
<td>$35,620</td>
<td>$101,030</td>
<td>$65,080</td>
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<tr>
<td>Policy maker/analyst</td>
<td>$40,244</td>
<td>$105,124</td>
<td>$74,675</td>
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<td>Cytogenetic technologist</td>
<td>$45,000</td>
<td>$60,000</td>
<td>$52,000</td>
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<tr>
<td>Science writer</td>
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<td>$84,041</td>
<td>$73,000</td>
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From www.genome.gov/genomicCareers/

Employers*

The University of Georgia
University of Cincinnati
Centers for Disease Control and Prevention
Omni International
Saint Jude Children's Hospital
Possible Job Titles **

Biotechnologist
Botanist
Clinical Geneticist
Clinical Research Coordinator
Crime Lab Analyst
Embryologist
Field Study Coordinator
Forensic Scientist
Food and Drug Inspector
Genetics Counselor
Geneticist
Genetics Laboratory Supervisor
Laboratory Geneticist
Medical Equipment Sales Rep.
Medical Investigator
Medical Doctor/Nurse
Medical/Science Librarian
Medical/Science Writer-Editor
Microbiologist
Nuclear Medicine Specialist
Plant Geneticist
Public Health Specialist
Parasitologist
Pharmaceutical Sales Rep.
Physician Asst.
Public Health Specialist
Research Immunologist
Research Geneticist
Toxicologist
Zoologist