

HEALTH SCIENCE

BIOTECHNOLOGY RESEARCH AND DEVELOPMENT PATHWAY



The Biomedical Research and Development pathway provides an understanding of human medicine through topics such as physiology, genetics, microbiology and public health. Courses will provide an introduction to teamwork and communication practices, organizational, critical-thinking and problem-solving skills. Areas of instruction include an understanding of the processes, structures and interactions of the human body, as well as the prevention, diagnosis and treatment of disease.

PATHWAY COURSES

- Introduction to Healthcare Science
- Essentials of Biotechnology
- Applications of Biotechnology

RECOMMENDED COURSES

- AP Chemistry or AP Biology
- AP Statistics
- Computer Science Courses
- Honors or Pre-AP Biology

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**TECHNICAL COLLEGES**

- Associates of Science in Nursing
- Biochemistry
- Biomedical Sciences
- Biotechnology
- Dental Hygiene
- Epidemiology
- Health and Administration
- Healthcare fields (Pre-nursing, pre-vet, pre-med)
- Physical Therapy Assistant
- Public Health
- Radiologic Technology
- Surgical Technology

COLLEGES/UNIVERSITIES

- See www.GAcollege411.org for additional information.

CAREER AND TECHNICAL STUDENT ORGANIZATIONS**TOP CAREER CHOICES**

Biological Consultant
Biological or Medical Illustrator
Conservation Warden
Crime Lab Technician
Dental Hygienist
Dietician Nurse
Emergency Medical Technician
Field Biologist or Ecologist
Food and Drug Inspector
Forensic Service Technician
Human Resources Staff
Industrial Hygienist or Process Manager
Laboratory Technician
Licensed Practical Nurse
Meat and Poultry Food Inspector
Medical Assistant or Records Administrator
Medical Technologist
Medical Writer
Mortician
Museum Educational Staff Member
Museum Exhibit Designer
National or State Park Ranger
Nurse Anesthetist
Pediatric Nurse
Pest Control Specialist
Phlebotomist
Primary or Secondary Teacher
Prosthesis-Maker
Radiology Technician
Sales Representative
Science Journalism or Librarian
University Research Assistant
Waste Disposal Engineer
Water Quality Controller
Wildlife Management Specialist
Zoo Assistant
Zoologist



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>