WHAT CAN I DO WITH MY BIOLOGICAL SCIENCES DEGREE?

Using the Major Sheet:
- Large headings indicate industry area and subheadings indicate employers within that area.
- Use the titles to search for careers and related careers in order to explore your options within different areas of industry. Note that some career titles have multiple names for similar positions.
- An asterisk (*) notes that additional training (certification, graduate school, high level of experience) may be needed in order to obtain this career. Make sure to thoroughly research career pathways.

BIOTECHNOLOGY
Pharmaceutical Companies, Government Labs, Biotechnology Firms

Research & Development
- Lab Assistant
- Plant Breeder
- Research Associate
- Pest Control Researcher
- Media Prep Technician

Quality Control
- Env. Health & Safety Specialist
- Food & Drug Inspector
- Quality Control Lab Supervisor
- Validation Engineer
- Quality Control Lab Tech.
- Clinical Quality Assurance
- Quality Control Analyst
- Quality Analysis Technician

Clinical Research
- Clinical Coordinator
- Technical Writer
- Clinical Data Specialist
- Research Associate
- Process Development Assoc.
- Data Management

Manufacturing and Production
- Production Planner Scheduler
- Food Technologist
- Manufac. Research Assoc.
- Lab Assistant
- Process Development Assoc.
- Crop Production Specialist

Regulatory Affairs
- Regulatory Affairs Specialist
- Crime Lab Analyst/Technician
- Documentation Specialist
- Research Associate
- Public Health Inspector
- Patent Examiner
- Case Examiner

GENETICS
Universities, Government Labs, Pharmaceutical/Agricultural Institutions
- Genetics Lab Technician
- Genetic Research Tech.
- Lab Assistant
- Research Assistant

MICROBIOLOGY
Universities, Private Research Labs, Environmental Agencies/Organizations, Hospitals, Food/Chemical Companies
- Quality Assurance Technologist
- Brewery Lab Assistant
- Research Assistant
- Asst. Microbiologist
- Medical Technologist
- Brewing Technologist

ZOOLOGY / MARINE & AQUATIC SCIENCES
National/State Parks, Animal Preserves, Zoos, Govt., Museums, Universities
- Wildlife Resource Worker
- Animal Technician
- Volunteer Coordinator
- Animal Trainer
- Veterinary Assistant
- Game Warden
- Lab Technician
- Aquarium Worker
- Tour Guide/Educator
- Kennel/Shelter Manager
- Animal Control Officer
- Park Ranger
- Fish Hatchery Technician
- Veterinary Technician
- Fish/Wildlife Technician

ENVIRONMENTAL SCIENCES
National/State Parks, Government, Universities, Environmental Non-Profits
- State Parks & Rec Worker
- Park/Forest Ranger
- Tour Guide/Educator
- Environmental Inspector
- Conservation Officer
- Volunteer Coordinator
- Recreation Planner
- Energy Conservation Tech.
- Pollution Control Technician
- Excursion Guide
- Nature Interpreter
- Natural Resource Manager
- Landscape Consultant
- Environmental Technician
EDUCATION
- Public Health Educator  •  Environmental Educator  •  Science Teacher

HUMAN RESOURCES
- Technical Recruiter  •  Human Resources Generalist  •  Technical Trainer

MARKETING / SALES
- Veterinary Supplies  •  Safety Equipment  •  Pest Control Service
- Horticultural/Nursery Products  •  Dental/Medical Supplies  •  Surgical Appliances
- Pharmaceutical Products  •  Lab Equipment  •  Marine Products/Equipment
- Medical Equipment  •  Customer Service Rep.  •  Marketing Research Analyst

NON-PROFITS - RESEARCH / POLICY
Policy Organizations (Issue-Oriented / Non-Profit / National Associations)
- Community/Field Organizer  •  Project Manager  •  Fundraiser
- Membership Coordinator  •  Program Developer  •  Political Organizer

Research Organizations (Issue-Oriented / Non-Profit / National Associations)
- Project Assistant  •  Research Associate

HEALTH
- Medical/Healthcare Professions
  - Physician
  - Podiatrist
  - Occupational Therapist
  - Dentist
  - Pharmacist
  - Physical Therapist
  - Optometrist
  - Veterinarian

Hospitals, Insurers, Non-Profits, Government
- Medical Research Technician
- Physical Therapy Aide
- Nuclear Medicine Technologist
- Medical Admissions Staff
- Medical Lab Technician
- Biomedical Equipment Tech.
- Medical Technologist
- Patient Advocate
- Cyto technologist
- Public Health Clinician
- Clinical Lab Specialist

PUBLISHING
- Book/Subscription Salesperson
- Science Reporter
- Assistant Editor
- Technical Writer
- Promotions Assistant
- Writer - Trade Publication

Preparation for a Competitive Job Market:
- Focus on transferable skill sets, as you pursue a degree in Biological Sciences.
- Obtain relevant internship, co-op, or volunteer experiences.
- Supplement Biological Sciences course work with classes that are relevant to your career.
- Meet with a Career Specialist to explore options, make decisions, and prepare for career choices.

Additional Career Center Resources:
- Major Sheets (BIOI, BIOC, BTEC, MEES, MOCB):  http://careers.umbc.edu/tools/major-sheets/
- Vault:  http://careers.umbc.edu/students/discover/explore-careers-majors/

- Select “Guides” to view relevant guides such as:
  “Career Launcher: Health Care Management”
  “Vault Guide to Pharmaceuticals and Biotechnology Jobs”

- Professional Associations:
  American Society for Microbiology:  http://www.asm.org/
  Society for Industrial Microbiology and Biotechnology:  http://www.simhq.org/
  American Institute for Biological Sciences:  https://www.ajs.org/home/index.html
  National Association of Science Writers:  https://www.nasw.org/
  Association of Clinical Research Professionals:  http://www.acrpnet.org/

- Professional/Graduate School Resources:
  UMBC PreMedical and PreDental Advising Office:  http://premed.umbc.edu/
  National Association of Graduate and Professional Students:  http://nagps.org/

UMBC Career Center, MP 201, 410-455-2216, careers@umbc.edu, careers.umbc.edu
10/2016