

# WHAT CAN I DO WITH MY MAJOR?

## MOLECULAR & BIOMEDICAL BIOLOGY

Molecular and biomedical biology focuses on understanding the molecular mechanisms underlying biological processes and their applications in medicine. It involves the study of genetics, cell biology, physiology, and biochemistry to develop insights into human health and disease

### COMMON JOB TITLES \* additional education or certification required post graduation

#### ENTRY & MID LEVEL POSITIONS

Agricultural Biotechnologist  
Plant Breeding Scientist\*  
Animal Geneticist\*  
Research Scientist\*  
Biomanufacturing Specialist  
Clinical Trials Manager  
Food Safety Specialist  
Regulatory Affairs Specialist  
Biostatistician\*

Research Technician  
Molecular Biologist\*  
Chemist  
Teacher/Professor\*  
Water/Air Quality Specialist  
DNA Analyst  
Product Development Specialist  
Clinical Research Coordinator  
Healthcare Administrator

### AREAS OF EMPLOYMENT: WHERE DO MOLECULAR & BIOMEDICAL BIOLOGY MAJORS TYPICALLY WORK?

**Research Institutions:** Buffer Cancer Center, Munroe-Meyer, Epopley Institute

**Schools & Universities:** UNO, Creighton University, UNL

**Pharmaceutical Companies:** Pfizer, Merck, Moderna

**Hospitals:** Nebraska Medicine, Methodist, Children's Hospital

**Government:** NE Dept. of Agriculture, NE DHHS, U.S CDC

**Agriculture & Biotech Firms:** Streck, Sanzonate Global, Bluestem Biosciences

**Manufacturing Companies:** Centese, Inc., Medtronic plc, BD

**Food & Beverage Companies:** Tyson Foods, Pepsi Co., Flowers Foods

**Consulting Firms:** Medtechrec, B2 Environmental, Medical Solutions

**Public Health Organizations:** UNMC, World Health Organization

**Laboratories:** Midwest Laboratories, Quest Diagnostics, ARCpoint Labs

**Nonprofit Organizations:** The Nature Conservancy, Zoo Foundation

### IMPORTANT QUALITIES:

#### Transferable Skills Gained:

Critical Thinking  
Technical Writing Skills  
Problem-Solving  
Collaboration/Teamwork  
Research Techniques

#### Concrete Skills Gained:

Python  
R  
MATLAB  
Microsoft Excel  
EndNote

### HOW TO DEVELOP YOUR SKILLS :

Join a **UNO Student Organization** within the College of Arts & Sciences to connect with other students and dive deeper into your interests

Get involved in **Undergraduate Research** to collaborate with faculty and gain hands-on experience

Explore **Student Opportunities** to apply your learning outside the classroom and get involved in the community

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## MOLECULAR & BIOMEDICAL BIOLOGY

### MAJOR + MINOR SPECIALIZATION: HOW CAN I SPECIALIZE IN SOMETHING BEFORE I GRADUATE?

Molecular & Biomedical Biology + Mathematics minor = Biostatistician\*

\* additional education or certification required post graduation

Molecular & Biomedical Biology + Chemistry minor = Chemist

Molecular & Biomedical Biology + Public Health minor = Healthcare Administrator

### OCCUPATIONAL OUTLOOK:

Chemists

Agriculture & Food Scientists

Natural Science Managers

DNA Analysts

Biochemists

### EMPLOYMENT OPPORTUNITIES:

Check out daily job postings on **Handshake** related to accounting jobs, internships, and opportunities to boost your student experience

### ADDITIONAL EDUCATION:

A **Masters degree** or **Doctoral Degree** may be beneficial or required after graduation depending on your desired career path. Advanced degrees offer opportunities for research, specialization, and development

#### More Information:

UNO Biology Graduate Programs

UNO Graduate Programs A-Z

UNL Biology Graduate Programs

### OTHER RESOURCES :

UNO Molecular & Biomedical Biology

Career Exploration in Career Services

U.S. Bureau of Labor Statistics: Occupational Outlook Handbook

### NEED SOME EXTRA HELP?


Book an appointment with Career Services

Book an appointment with your Advisor


#### Career Services

 EAB 113

 6001 Dodge Street, Omaha, NE 68182

 402.554.3672

 [careers.unomaha.edu](https://careers.unomaha.edu)

 [careers@unomaha.edu](mailto:careers@unomaha.edu)

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