

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, Eppley 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, Sanzionate 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, ARPoint 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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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

careers@unomaha.edu

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