

WHAT CAN I DO WITH MY MAJOR?

BIOMECHANICS

Biomechanics focuses on understanding the mechanical principles of human movement and the forces that affect the body. It integrates knowledge from biology, physiology, anatomy, physics, and engineering to solve complex problems related to health, performance, and rehabilitation.

COMMON JOB TITLES * additional education or certification required post graduation

ENTRY & MID LEVEL POSITIONS

Biomechanics Technician
Sports Scientist/Technician
Ergonomics Specialist
Prosthetics Technician*
Clinical Research Coordinator
Occupational Therapist*

Medical Device Engineer
Human Subject Specialist
Rehabilitation Engineer
Physical Therapist*
Certified Athletic Trainer*
Sports Performance Analyst

AREAS OF EMPLOYMENT: WHERE DO BIOMECHANICS MAJORS TYPICALLY WORK?

Hospitals: Nebraska Medicine, Methodist, Children's Hospital
Research Laboratories: UNMC, Boys Town,
Device Companies: Limb Lamb, Claris Healthcare,
Colleges/Universities: UNO, Creighton University, UNL
Government Agencies: NE Dept. of Labor, Douglas County Health Dept.

Rehabilitation Centers: Methodist Rehabilitation Center, Madonna
Technology Companies: Garmin, Hudl, Peloton
Fitness & Wellness Centers: Genesis Health Clubs, Drip Athletic Club
Clinics: Athletico Physical Therapy, Hanger Clinic, OrthoNebraska
Sports Equipment Companies: Body Basics, Peak Performance

IMPORTANT QUALITIES:

Transferable Skills Gained:

Research Skills
Communication Skills
Adaptability
Collaboration Skills
Technical Knowledge

Concrete Skills Gained:

Microsoft Applications
SPSS
R
MATLAB
SIMM Software

HOW TO DEVELOP YOUR SKILLS :

Get involved in a lab within the **Center for Research and Human Movement Variability** to explore your interests and collaborate with faculty
Attend a **UNO Biomechanics Seminar** to hear from professors, specialists, and researchers about new findings
Volunteer in the **UNO Department of Biomechanics** to gain experience for graduate applications and connect with faculty and other students



CAREER SERVICES

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

Biomechanics + Biology minor = Physical Therapist*

* additional education or certification required post graduation

Biomechanics + Sports Medicine minor = Athletic Trainer*/ Sports Performance Analyst

Biomechanics + Neuroscience minor = Rehabilitation Engineer/Specialist

OCCUPATIONAL OUTLOOK:

Physical Therapists

Occupational Therapists

Athletic Trainers

Orothotists & Prosthetists

EMPLOYMENT OPPORTUNITIES:

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

ADDITIONAL EDUCATION: GRADUATE SCHOOL

Pursuing a **Masters Degree** or **Doctoral Degree** may be required for certain career paths. Advanced degrees provide opportunities for in-depth study, specialized training, and hands on research experience.

More information: UNO Biomechanics Graduate Programs

Undergraduates pursuing a B.S. in Biomechanics may qualify for a Fast Track Program. To learn more, visit UNO Biomechanics Undergraduate Department

OTHER RESOURCES :

UNO Department of Biomechanics

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

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