| CAREER SERVICES HAT CAN I DO WITH MY MAJOR? OMECHANICS

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.

$\begin{array}{c} \textbf{COMMON JOB TITLES} \\ \text{**additional education or certification required post graduation} \end{array}$

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:

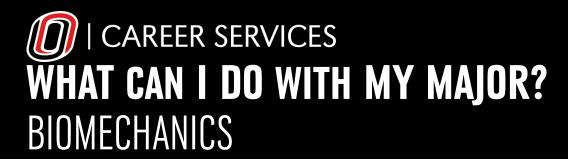
Microsoft Applications SPSS

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



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

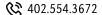
NEED SOME EXTRA HELP?

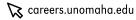
Book an appointment with <u>Career Services</u> Book an appointment with your <u>Advisor</u>

Career Services



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assistance, please call/contact the ADA/504 Coordinator (phone 402.554.2463) or the Accessibility Services Center (phone: 402.554.2872). MCTEMP2024

