

Dr. Elizabeth Bjornsen is seeking a motivated doctoral student to join the research team beginning in Fall 2026.

Our work focuses on understanding how maturation influences movement biomechanics and biological outcomes following ACL reconstruction in pediatric athletes. The highly interdisciplinary research integrates biomechanics, biology, orthopedics, and biomedical engineering and includes close collaboration with clinicians and community partners in the Eastern North Carolina region.



Funding & Benefits

- Fully funded graduate assistantship
- Monthly stipend, tuition coverage, and health insurance
- Access to biomechanics and clinical research facilities

Applicant Qualifications

Required:

- Master's degree in Kinesiology, Exercise Science, or related field
- U.S. Citizenship
- Strong communication and time-management skills

Preferred:

- Previous research experience
- Familiarity with biomechanical instrumentation
- Programming skills (i.e., MATLAB, R)

Contact

Interested applicants should contact Dr. Bjornsen (bjornsene25@ecu.edu) with a brief statement of research interests and a current CV to set up an initial meeting. Formal applications must be submitted to the graduate school by February 1st.

Graduate school application guidelines are available by visiting:

<https://hhp.ecu.edu/kine/phd-in-bioenergetics/>