

PhD Position in Brain Injury Biomechanics
University of Texas at San Antonio

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Posted Jun. 12, 2025, set to expire Oct. 12, 2025

Job Title	PhD Position in Brain Injury Biomechanics
Department	Department of Mechanical, Aerospace, and Industrial Engineering
Institution	University of Texas at San Antonio San Antonio, Texas
Date Posted	Jun. 12, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Graduate Student
Academic Field(s)	Mechanical Engineering Material/Metallurgy Bioengineering (all Bio-related fields)
Job Website	https://biomch-l.isbweb.org/forum/biomch-l-forums/jobs-and-positions/48950-phd-position-in-brain-injury-biomechanics-%E2%80%93-university-of-texas-at-san-antonio
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Job Description	

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A fully funded PhD position is available in the Department of Mechanical, Aerospace, and Industrial Engineering at the University of Texas at San Antonio. The successful applicant will join a research team focused on **injury biomechanics, specifically traumatic brain injury prevention technologies**. The project involves both experimental and computational work in **impact biomechanics, sensor integration, signal processing, and the design of injury protection systems**.

Qualifications:

- Background in Mechanical Engineering, Biomedical Engineering, Materials Science, or a related field (B.S. or M.S. required)
- Strong understanding of impact mechanics, structural design, finite element modeling, and materials behavior
- Experience with CAD software and finite element tools (especially **LS-DYNA**) is highly desirable

Due to project timelines and visa processing constraints, **only domestic applicants** including international students currently in the U.S. will be considered for this position. Only shortlisted candidates will be contacted.

Interested candidates should submit a curriculum vitae, transcripts, and contact information for three references to Dr. Morteza Seidi at morteza.seidi@utsa.edu.

Morteza Seidi, Ph.D., P.E.

Assistant Professor

Department of Mechanical, Aerospace, and Industrial Engineering

University of Texas at San Antonio

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Morteza Seidi

Department of Mechanical, Aerospace, and Industrial Engineering

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