



BRAVe
Biomedical engineering Research for Active military and Veterans
Undergraduate Research Experience for Civilians and Veterans

The Biomedical engineering Research for Active military and Veterans (BRAVe) program at the University of Texas at San Antonio is a 10-week summer research program that engages undergraduate students in research relevant to medical needs of active duty military or veterans. Themes include identifying engineering solutions that enable regeneration, repair and control of damaged tissue; non-invasive monitoring of molecular, cellular and tissue recovery; and treatment of soldiers in the battlefield. This program is ***open to civilian, veterans and active duty military*** who are currently undergraduate students. Research within these projects cover the domains of regenerative medicine, brain health, and computational analysis & imaging – areas of significant emphasis by the Department of Defense, by new initiatives within NSF and NASA, and by a growing number of technology companies within Texas. San Antonio has the largest military healthcare and biomedical research operations in the United States. In addition, there are approximately 250,000 veterans and 80,000 active-duty military personnel living in San Antonio, providing an incredible environment for military medical research. The UTSA Biomedical Engineering graduate program provides the foundation for this NSF-funded Research Experiences for Undergraduates (REU) program and consists of research projects that are collaborative with Army, Navy, Air Force and Veterans Research facilities, a unique environment for an REU program.

Program Information

The program is 10 weeks, from early June to August. Students will receive a stipend, an option for housing support and support for travel to and from San Antonio. In addition, students will receive support for travel to the annual meeting of the Biomedical Engineering Society.

Eligibility

1. Students should have a declared engineering or science major.
2. Applicants must be US citizens or permanent residents.
3. Students from community colleges are encouraged to apply.
4. Veterans and active duty military are strongly encouraged to apply.

Application Materials

- Academic Transcript (unofficial is accepted)
- Resume
- Two Letters of recommendation (can be emailed directly by recommenders to bme@utsa.edu)
- Two essays to the application form. The essays should be no longer than one page in length, single spaced, and font no less than 10 pt.
 - A) How do you believe this program will contribute to your professional development and career goals
 - B) why is biomedical research for military and veterans important?

Please email Applications materials to bme@utsa.edu due April 25, 2019.

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