

The University of Toledo

Toledo, Ohio, USA

The University of Toledo (UT) has been a long-time supporter of the armed forces and is currently engaged in discussions for collaboration in the areas of education and research with the Human Effectiveness Directorate at Wright-Patterson Air Force Base in Dayton, Ohio. In addition, a number of research projects supported by the United States Department of Defense (DOD) funding - including projects that address improvements in Tactical Combat Casualty Care (TCCC) - are currently under review by the DOD.



Using 3-D Goggles to View CAD Wall

History of Support for the Military

For the third consecutive year, UT has been recognized as a military-friendly school by GI Jobs magazine and is a participating Yellow Ribbon school for the Post-9/11 GI Bill. Active duty Ohio residents who use Federal Tuition Assistance and take all distance learning course work are charged no tuition or general fees, further illustrating UT's support. UT's out-of-state residency fee is also waived for non-Ohio active duty service members, reservists, National Guardsmen and veterans taking all UT distance learning coursework. These classes can be accessed 24/7 via the internet from anywhere in the world.

In addition, credit can be received for basic and military training. UT has a Military Service Center to provide assistance with military or veteran educational benefits. Financial aid is available to military students taking online courses.

Approximately 550 veterans currently attend UT and more than 90 percent use some form of veterans' educational benefits. A program in the Office of Accessibility currently exists to help veteran students succeed at UT.

Current and Future Research

To better understand the special needs of the military, UT leaders, including the chair of the Department of Surgery, have attended three military summits and three Special Operations Medical Association (SOMA) meetings during the past two years. As a result, in partnership with the Defense Medical Materiel Program Office (DMMPO), five projects that focus on improving outcomes in the care of theatre casualties have been submitted to the Office of the U.S. Secretary of Defense.



Virtual Immersive Technology Applied to Medicine

Ongoing UT research projects that have already been funded by the DOD include: Rapidly Deployable Advanced Solar Energy and Fuel Sources (Calzonetti), Development of Dendritic Cell Targeted Immunotherapies (Takashima), Multifunctional Bone Cements (Bhaduri); and Innovative Hardware Technologies for Electromagnetic Attack Rejection and Real-Time Combat Navigation System and Virtual Battlespace (Devabhaktun).

Developing Relationship

UT is developing a highly advanced interprofessional and multidisciplinary simulation center - The UT Interprofessional Immersive Simulation Center (UT-IISC). The UT-IISC will house virtual immersive environments, a progressive anatomy and surgical skills lab, and highly advanced simulation equipment.



UT Student Field Exercise

Discussions are very active with military colleagues about how the UT-IISC can support the military mission through testing products and devices, examining training techniques, and conducting human effectiveness research. A series of summits to discuss further collaboration between Wright-Patterson Air Force Base and the UT-IISC address a common desire to expand the UT/Military relationship.



INTERPROFESSIONAL IMMERSIVE
SIMULATION CENTER
THE UNIVERSITY OF TOLEDO

For further information, please visit:
www.utoledo.edu/centers/iisc