

Wallace H. Coulter Department of **Biomedical Engineering**





We want to help you!

Do you have a med-tech innovation idea?

BME Capstone Design is now accepting rolling

Fall 2025 Project Submissions

Click here to Submit A Project

Submissions due *Wednesday, August 13, 2025; 11:59 pm EST

BME Capstone is currently seeking project proposals for the Fall 2025 semester. When you work with GT

paired with an Emory med-student to investigate and design a patentable solution in just 16 weeks!

You can advise and partner alongside a team of Georgia Tech Biomedical Engineering (BME) students

to ideate, design, and prototype real solutions that address unmet clinical needs. All healthcare professionals -- physicians, advanced practice providers, nurses, residents/fellows, student trainees, emergency technicians, biomedical industry members, and academic researchers-- are invited to

BME Capstone, your hand-picked Capstone engineering design team works over 500 man-hours per project

innovators who are on a mission to ultimately benefit patient care. Highlighted accomplishments include: • Two teams published experimental findings supporting their design solutions in two academic journals:

We are focused on delivering value and actionable results to support project sponsors and healthcare

- a FIRST for the entire Georgia Tech Capstone Program Team Brainy Bunch, in collaboration with the Mayo Clinic, designed and verified a patientspecific, anatomically accurate, and electrically responsive biomimetic 3D-printed model for use
 - in neurosurgical training and preoperative planning. Their work is now published in Operative Neurosurgery. Team Project Halo, in collaboration with the U.S. Army Rangers, performed field research and quantified the blast exposure of mortarmen during training exercises. Accepted for publication in Military Medicine. Learn more about the team's work here.
- <u>Team Heart Throbs</u> won a \$15,000 Venture Prize in the National 2021 DEBUT Challenge for their AusculBand device, a long-distance stethoscope that provides real-time and pre-recorded data to physicians. Learn more here.
- Seven teams <u>presented their design work</u> at the Southeast Regional CTSA Conference, another first for our program! If you have identified a health-care challenge that needs to be solved, Capstone teams are eager to work on

New Partnerships Liaison Alessandra Luna for more information.

*We strongly recommend rolling submissions received well before the deadline so our team can work

with you in advance to workshop your proposal, adjust scope if needed, and coordinate observations with clinical partners if applicable.

Submit your idea by *Wednesday, August 13, 2025; 11:59pm EST or contact

Click here to Submit A Project

What does it take to become a sponsor? **Sponsor FAQs**

 How do I format a project submission/clinical need? What project outcomes should I expect?

What is BME Capstone?

work with us!

Follow our social media handles using the links at the bottom of this message or find our handle

What are examples of past projects?

Detailed letter for <u>Clinical Sponsors</u>

Detailed letter for <u>Industry Sponsors</u>

What does sponsoring a project involve?

it. We look forward to working with you this Spring!

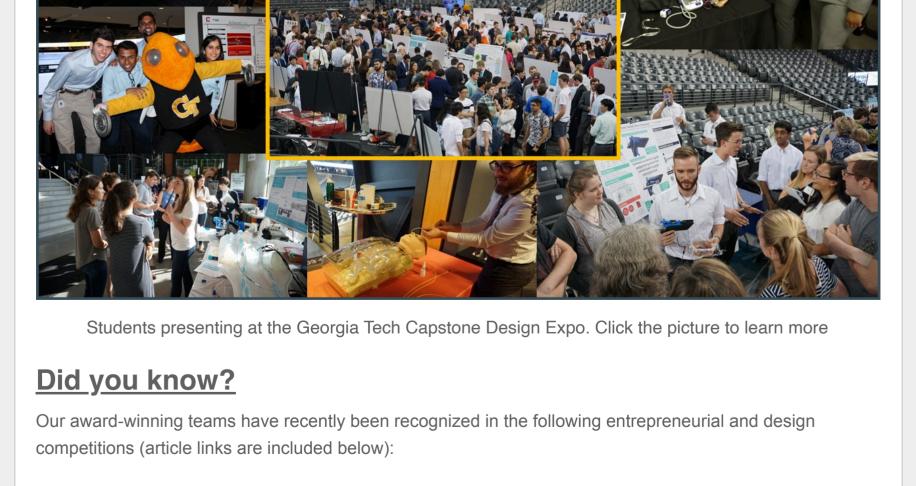
@GTBMECapstone. We're live on LinkedIN showcasing our student successes

See our Sponsor FAQs at the bottom of our project submission page

<u>2025</u>, <u>Fall 2024</u>, <u>Spring 2024</u>, <u>Fall 2023</u>, <u>Spring 2023</u> online project showcases.

We invite you to explore the extensive diversity of our project portfolio by viewing our Spring

- Read the articles linked below in the next section highlighting the outcomes of some of our award-winning teams
- Do you want to see want BME Capstone can do for you? Click to view our recent Virtual Expo showcase



Recent wins from our students! Pulse OxiMates Global Health team a finalist in the ACC InVenture Prize in 2023

 Winner of Rice University 360 Global Health Technologies Design Competition in 2022, 2020, and 2019

Mayo Clinic sponsored carSEAL team wins the ACC InVenture Prize in 2022

- <u>Articles highlighting prior student teams:</u> Winner of NIBIB DEBUT Challenge HIV/AIDS Prize in 2019
 - Winner of the NIBIB DEBUT Challenge in 2021 Winner of Johns Hopkins University Healthcare Design Competition in 2019.
 - Winner of Georgia Tech Inventure Prize in 2019. • **Finalists** for the Collegiate Inventors Competition in <u>2021</u>, <u>2019</u>, <u>2018</u>, + more!





New Partnerships Liaison Alessandra Luna, or visit us at http://bmecapstone.gatech.edu