

Summer Research Opportunities

Through Vanderbilt:

1. Vanderbilt University School of Engineering (VUSE) Summer Research Program
 - a. Each student in the program works for 10 weeks under the supervision of a School of Engineering faculty member. Students work side-by-side with faculty, graduate students and other undergraduates on a currently active research project while gaining first-hand experience in laboratory research.
 - b. <https://engineering.vanderbilt.edu/summer-research/>
2. Vanderbilt Undergraduate Summer Research Program (VUSR)
 - a. The Vanderbilt Undergraduate Summer Research Program (VUSR) provides Vanderbilt undergraduate students with the opportunity to fulfill 10 weeks of full-time research during the summer under the mentorship of any full-time Vanderbilt University faculty member, including faculty in the graduate and professional schools.
 - b. <https://www.vanderbilt.edu/immersion/vusrp/>
3. The SyBBURE Searle Undergraduate Research Program
 - a. The SyBBURE Searle Program funds undergraduate students at Vanderbilt University to explore any aspect of STEM that interests them through independent research and team-based design projects.
 - b. <https://www.sybbure.org/>

Through the National Science Foundation Research Experience for Undergraduates:

Many summer opportunities are available at NSF REU sites in many scientific disciplines at numerous institutions and organizations throughout the United States:

https://www.nsf.gov/crssprgm/reu/reu_search.jsp

The following are some of the available REU opportunities related to biomedical engineering:

1. Alabama State University
 - a. Research & Training in Multidisciplinary Field of Regenerative Sciences for Undergraduates
 - b. <https://www.alasu.edu/academics/researchcenters/research-experiences-undergraduates-reu-program>
2. Boston University
 - a. Integrated Nanomanufacturing
 - b. <https://www.bu.edu/photonics-reu/>
3. East Carolina University
 - a. Biomedical Engineering in Stimulation, Imaging, and Modeling (BME-SIM)
 - b. <https://cet.ecu.edu/reu/>
4. Georgia Institute of Technology
 - a. Cell Manufacturing Technologies (CMT) Research Experience for Undergraduates

- b. <https://cellmanufacturingusa.org/paid-summer-undergraduate-student-research-opportunities>
5. Johns Hopkins University
 - a. Computational Sensing & Medical Robotics
 - b. <https://lcsr.jhu.edu/reu/>
6. Massachusetts General Hospital
 - a. Wellman-HST Summer Institute for Biomedical Optics
 - b. <https://hst.mit.edu/academic-programs/hst-wellman-summer-institute-biomedical-optics>
7. Rowan University
 - a. Biomedical Materials, Devices, Therapeutics, and Emerging Frontiers
 - b. <https://engineering.rowan.edu/programs/biomedical/biomedreu/>
8. Rutgers University
 - a. Cellular Bioengineering: From Biomaterials to Stem Cells
 - b. <https://sites.rutgers.edu/celleng/>
9. University of Florida
 - a. Research Experiences for Undergraduates in Chemical Engineering at the University of Florida
 - b. <https://www.che.ufl.edu/academics/reu/>
10. University of Kansas Center for Research, Inc.
 - a. IDE Incubator for Porous Materials: Integrating Discovery, Engineering, and Art
 - b. <https://cpe.ku.edu/reu>
11. University of Rochester
 - a. Imaging in Medicine and Biology for Underrepresented Minorities at the University of Rochester
 - b. <http://www.hajim.rochester.edu/ece/undergraduate/reu.html>
12. University of Virginia
 - a. Multi-Scale Systems Bioengineering and Biomedical Data Sciences
 - b. <https://engineering.virginia.edu/systems-bioengineering-reu>
13. Wake Forest University School of Medicine
 - a. Imaging and Mechanics-Based Projects on Accidental Cases of Trauma (IMPACT)
 - b. <https://school.wakehealth.edu/departments/biomedical-engineering/center-for-injury-biomechanics/summer-research-opportunities>
14. Worcester Polytechnic Institute
 - a. Integrated Bioengineering Research, Education, and Outreach Experiences for Females and Underrepresented Minorities at WPI
 - b. https://wp.wpi.edu/reu-bme/?utm_source=redirector&utm_medium=bmereu&utm_campaign=short_url