



New Generation Resilient Infrastructure Research Experiences for Undergraduates

Virginia Tech · Blacksburg, Virginia · Summer 2021

The **Virginia Tech Structural Engineering and Materials Program** offers to fully immerse and engage a diverse group of ten undergraduate students in interdisciplinary research and professional development activities centered around new generation structural engineering, resilient materials, smart design, physical security, and large-scale testing.

Working under the supervision of their faculty mentor, the young scientists will conduct research to address existing urban infrastructure vulnerabilities, as well as to improve infrastructure sustainability through adaptive reuse rather than demolition and reconstruction.

PROGRAM OVERVIEW

- 10-week research program
- Orientation week with team building
- Individual projects with faculty mentor
- \$5,000 stipend
- \$500 travel expenses
- Housing, meals, and gym membership provided



DATES AND APPLICATION

Program dates: May 24 - July 30, 2021,
Pending NSF Funding

Application due date: February 12, 2021

Online application: reu.cee.vt.edu

WHO SHOULD APPLY

Students majoring in **civil and/or environmental engineering, mechanical engineering, material science, architecture and construction management, and electrical and computer engineering** should apply to this program.

Applicants from colleges and universities with limited research opportunities and from groups underrepresented in STEM are strongly encouraged to apply.

CONTACT US

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Visit reu.cee.vt.edu for more info the
Summer 2021 program and to apply now!



Summer 2021 program
pending funding
from NSF



COLLEGE OF ENGINEERING
THE CHARLES E. VIA, JR. DEPARTMENT OF
CIVIL AND ENVIRONMENTAL ENGINEERING
VIRGINIA TECH.