



The Virginia Tech College of Engineering works in disruptive technology areas that include:

- autonomous systems and robotics • cybersecurity and cyber physical systems
- data analytics and decision sciences • injury and occupational biomechanics
- manufacturing materials and systems • energy engineering and science
- sustainable infrastructure and construction • transportation and logistics
- turbomachinery and diagnostics • corrosion and water • wireless communications and security

#3

U.S. News & World Report
BEST online masters information technology program

#1

Wall Street Journal
BEST public school in state

#11

National Science Foundation
RESEARCH spending total

#16

U.S. News & World Report
BEST undergrad program (public institutions)

#25

U.S. News & World Report
BEST online graduate engineering program

#30

U.S. News & World Report
BEST graduate program

Departments and Schools

- Aerospace and Ocean Engineering
- Biological Systems Engineering
- Biomedical Engineering
- Chemical Engineering
- Civil and Environmental Engineering
- Computer Science
- Electrical and Computer Engineering

- Engineering Education
- Industrial and Systems Engineering
- Materials Science and Engineering
- Mechanical Engineering
- Mining and Minerals Engineering
- Myers-Lawson School of Construction



2023 Freshman Class Profile:

- average high school GPA is 4.11
- average SAT math score is 695
- average SAT reading score is 663
- 22% under represented minorities
- 19% under served (first-generation, veterans, etc.)
- 24% female

Dean Julia M. Ross

- Ross holds tenured positions in both the departments of Chemical Engineering and Engineering Education and is the Paul and Dorothea Torgersen Dean of Engineering.
- Ross studied at Purdue University and later obtained her PhD from Rice University; both in chemical engineering.

- Ross applies chemical engineering principles to questions about the way infectious cells adhere to each other and to surfaces in the body.
- Ross uses principles like fluid mechanics, mass transfer, and reaction kinetics to better understand staph infections at the cellular level.

