



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

#4

U.S. News &
World Report

BEST online masters
information
technology program

#9

National Science
Foundation

RESEARCH
spending total

#16

U.S. News &
World Report

Online graduate
engineering program

#13

U.S. News &
World Report

BEST undergrad
program
(nationally)

#31

U.S. News &
World Report

BEST graduate
program

Departments and Schools

- Aerospace and Ocean Engineering
- Biological Systems Engineering
- Biomedical Engineering and Mechanics
- 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
- School of Biomedical Engineering and Sciences



2019 Freshman Class Profile:

- average high school GPA is 4.14
- average SAT math score is 707
- average SAT reading score is 652
- total SAT average is 1351
- 43% underrepresented groups or minorities
- 16% female

(all SAT scores are based on NEW format)

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.

