The Virginia Tech College of Engineering focuses on emerging research, to include:
• blockchain
• 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

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: 4.2
• average SAT Math score: 707
• average SAT Reading score: 655
• total SAT average: 1357

2019 Enrollment Numbers:
• 8,978 Undergraduates
• 2,207 Graduates

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.