Enrollment
Undergraduate Students 500
Graduate Students 306
Master’s 170
Ph.D. 136

Total Faculty 79
Professors 25
Emeritus Professors 19
Associate Professors 17
Assistant Professors 11
Research 3
Administrative 4

U.S News and World Report
Rankings Among Public Institutions
Undergraduate 10
Graduate 10

Top 100 QS World University Ranking

Endowed Professorship Holders 9
National Academy of Engineering Members 4
National Academy of Construction Members 2

Centers & Laboratories
Air Transportation Systems Laboratory
Concrete Lab
Kelso Baker Environmental Hydraulics Lab
Prices Fork Geotechnical Lab
Structural Materials and Engineering Structures Laboratory
Northern Virginia Center
Virginia Tech Transportation Institute (VTTI)
Structural Materials and Engineering Materials Laboratory
Smart Road Pavement Research Site
Occoquan Monitoring Lab
Center for Geotechnical Practice and Research
W.C. English Geotechnical Research Laboratory
Construction Affiliates Program
FIATECH Initiative
National Center for Aviation Operations Research
Research Areas

**Construction Engineering and Management**
- Project Delivery Systems
- Infrastructure maintenance and management
- Best practices in field operations
- Simulation and Visualization

**Environmental and Water Resources**
- Air Quality
- Coastal Engineering
- Bioremediation
- Drinking Water
- Environmental Biogeochemistry
- Environmental Biotechnology
- Environmental Chemistry
- Environmental Fluid Mechanics
- Environmental Nanotechnology
- Environmental Quality Monitoring/Modeling
- Ground Water & Pollutant Transport
- Hydrology and Water Resources Management
- Lakes and Reservoirs
- Sustainable Water Infrastructure
- Water and Wastewater Treatment

**Structural Engineering and Materials**
- Bridge Engineering
- Computation Modeling, Materials and Mechanics
- Earthquake Engineering
- Sustainable Infrastructure Materials
- Thin-Walled Structures

**Transportation Infrastructure and Systems**

**Geotechnical**
- Evaluation & Remediation of Liquefiable Soils
- Soils under High Pressure Impact
- Construction Material Surface Topography
- Rock Fractures Based on Cylindrical Samples
- Compressibility of Municipal Solid Waste
- Analysis of Reinforced Slopes
- Composite Piles for Bridge Superstructures
- Coil-Bentonite Backfilled Trenches
- Stability of Water-Filled Tubes
- Design of Geotechnical Interfaces
- Rockfall Hazard Rating System
- Numerical Model for Concrete-to-Soil Interfaces
- Internet/GIS-Based Landslide Inventory
- Pilot-Scale Subsurface Barrier Testing
- Earth Force Reduction by Synthetic Compression
- Effects of Vibration on Penetration Resistance and Pore Water Pressure in Sands
- Hydraulic Conductivity of Soil-Bentonite Walls
- Liquefaction Behavior of Sand
- Geotechnical Engineering in Piedmont Residual Soil Pyritic Shales
- Pseudo-Static Analysis of Repaired Landslides
- Composite Piles for Bridge Structures
- Liquefaction Risk Mitigation
- Ground and Reinforced Soil Systems during Earthquakes
- Quality Control for Ground Improvement
- Analysis of Deep Foundations
- Behavior of Interfaces as an Abrasion Process
- Slug Tests to Assess Hydraulic Conductivity

*Updated January 2015*