

Why Old Dominion University?

The Civil & Environmental Engineering Department is one of the nation's rapidly growing engineering programs and offers students a stimulating learning environment. Transportation students benefit from the opportunities available to them and from the ODU Transportation Program's leadership in transportation research.

Students can take advantage of ODU's location in the Hampton Roads region. The 188 acres of the ODU campus stretches from the Elizabeth River to the Lafayette River. While situated in a metropolitan setting, the University offers a small-college look and feel, with tree-lined walkways, a mix of old and new buildings, and colorful gardens and ponds.

The Hampton Roads region serves as a transportation crossroads for the state. Hampton Roads includes a number of roadways, and major freight and shipping facilities. This environment provides an excellent test bed for students to examine issues related to mobility, congestion, safety, pollution, resource consumption, and land development. Students in engineering also have the opportunity to take courses in other ODU departments including psychology, economics, and business. A number of corporate and government facilities as well as universities are in close proximity to ODU, enhancing the learning environment. Students can pursue Bachelors, Masters, and Doctor of Philosophy degrees in transportation. They can also take transportation courses through the ODU extension program.

Transportation students will find that campus life offers a wide range of professional, cultural and intellectual activities, an exciting intercollegiate athletic program, and intramural athletic opportunities.

ODU Transportation Program

eng.odu.edu/transportation

Core Transportation Faculty

Dr. Asad Khattak, Frank Batten Endowed Chair Professor. Transportation Planning, Safety, and Intelligent Transportation Systems.
E: AKhattak@odu.edu

Dr. Mecit Cetin, Assistant Professor. Transportation Operations, Safety, and Intelligent Transportation Systems.
E: MCetin@odu.edu

Associated Adjunct Faculty

Mr. Dwight Farmer, P.E., Hampton Roads Planning District Commission.
E: DFARMER@hrpdc.org

Dr. Camelia Ravanbakht, Hampton Roads Planning District Commission.
E: CRAVAN@hrpdc.org



To request additional information about the program, please contact:

Dr. Asad J. Khattak
Phone: (757) 683-6701
AKhattak@odu.edu

Civil & Environmental Engineering Department
135 Kaufman Hall
Norfolk, VA 23529



Transportation Program
Education, Research, and Public Service

*Transportation
Engineering
at
Old Dominion
University*

eng.odu.edu/transportation



CEE.ODU.edu

*Civil &
Environmental
Engineering
Department,
founded 1964*

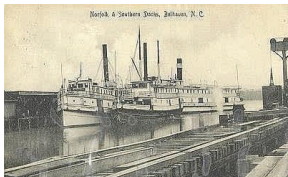
A Multi-Disciplinary Approach to Transportation Engineering

The mission of the ODU Transportation Program (ODUTP) is to contribute to the advancement of transportation systems in three ways:

- The education of transportation professionals,
- The development of knowledge that stimulates applications of new strategies/technologies, and
- The dissemination of knowledge to transportation practitioners and other stakeholders.

We achieve these goals by offering students a broad curriculum, faculty with diverse backgrounds and research interests, and professional development opportunities in the Hampton Roads area.

Integrated, multi-modal systems can provide solutions to congestion and other inefficiencies



Our primary goals are 1) to prepare transportation engineers for practice in local, regional, and state transportation agencies as well as the private sector, and 2) to mentor transportation researchers and educators.

Additionally, students are encouraged to expand their transportation knowledge by taking courses in related areas that include logistics, psychology, engineering management, and simulation.

DEGREES & COURSEWORK

Degrees Students of transportation engineering can pursue the following degrees in the Civil & Environmental Engineering Department:

- Bachelor of Science in Civil Eng (BSCE)
- Master of Engineering in Civil Eng (MECE)
- Master of Science in Civil Eng (MSCE)
- Doctor of Philosophy in Civil Eng (Ph.D. CE)

Bachelor's and Master's students build a solid foundation in engineering by taking a courses in transportation fundamentals, transportation planning, & operations. In addition, Master's students produce a Thesis or Project. Students can also take transportation courses through ODU Extension.

The Ph.D. program provides training in research methods that enables graduates to contribute to the development of substantive theory, knowledge, and scholarship in transportation engineering. For admission questions, contact CEGPD@odu.edu

Undergraduate Transportation Coursework

Provides knowledge of transportation and the inter-relationships between multiple transportation modes. Students take the following courses:

- Roadway Design
- Transportation Fundamentals
- Transportation Planning
- Transportation Operations

Graduate Coursework Provides an extensive background in transportation engineering. Students may take the following courses:

- Transportation Fundamentals
- Transportation Planning
- Transportation Operations
- Transportation Safety
- Intelligent Transportation Systems
- Transportation Facilities Design

RESEARCH & INTERNSHIPS

Current Research Faculty and students conduct research in the following areas:

- Transportation operations
- Transportation planning
- Modeling and simulation of transportation systems
- Transportation safety
- Intelligent Transportation Systems

Student Publications Graduate students are encouraged to co-author articles with faculty. Additionally, students are encouraged to present their research at forums, such as the annual Transportation Research Board meeting.

Financial Assistance &

Internships Research and teaching assistantships are available to full-time students. These typically pay for student stipends with full or partial tuition waiver

Internships provide employment experience and the opportunity to develop professional skills. Students can work for these local ODUTP partners:

- Virginia Modeling, Analysis & Simulation Center
- Virginia Department of Transportation
- Hampton Roads Planning District Commission

