Maritime-Freight Academy
The URITC’s newest academy for high school freshmen, sophomores, juniors and seniors combines visits to companies that use the maritime services industry, a visit to a port, and practice steering in a shipping vessel simulator. It is augmented with in-class work and computer games to reinforce the topics.

Students can earn credit toward a junior certification in Logistics and Transportation awarded by the American Society of Transportation & Logistics.

Construction Career Days
This two-day hands-on event introduces high school students to career opportunities in the transportation construction industry. Students interact with industry professionals, municipal employees and college representatives.

Participants may also enter the bridge building competition, in which the students build model bridges ahead of time and have them tested at the event.

Engineering Career Day
Engineering Career Day introduces high school freshmen, sophomores and juniors to career opportunities in engineering through hands-on and classroom activities. Students rotate through learning labs at URI’s College of Engineering.

Adult Program
Teacher Externship
Secondary school educators spend 40 hours over a two-week period in the summer at a public works department, an engineering consulting company, a construction company or at RIDOT. Then they prepare a lesson plan for their subject that meets state educational standards. The program meets continuing education credit requirements.

The University of Rhode Island Transportation Center offers a wide array of programs for middle and high school students, as well as secondary school educators.

Full scholarships are available for all programs. For the high school summer academies and the Summer Transportation Institute, transportation is available from a central location in Providence.
Middle School Programs

SMILE Engineering Challenge

Middle school students in the Science and Math Investigative Learning Experiences (SMILE) program come to the URI campus once a year to compete in SMILE’s Engineering Challenge.

Each challenge involves a hands-on transportation or engineering project that requires planning, measuring, building, testing and teamwork.

Summer Transportation Institute

The URITC hosts two two-week sessions for seventh, eighth and ninth grade students.

The curriculum exposes students to highway and bridge design, construction and maintenance of roads, transportation of people and cargo, laws, regulations, safety and career opportunities.

In addition, students participate in computer training, academic enhancement activities, field trips and student projects.

High School Programs

Business Academy

In the week-long Business Academy, high school freshmen, sophomores, juniors and seniors get a taste of managing a company’s supply chain, including planning, purchasing, production, transportation, storage and distribution and customer service.

Site visits to local ports and distribution facilities allow students to interact with professionals and get first-hand exposure to the world of transportation.

Construction Academy

The curriculum for high school sophomores, juniors, seniors and recent graduates for the week-long Construction Academy includes: OSHA 10-hour certification, flag person certification, work zone safety, hands-on activities with heavy equipment, blueprint reading, estimating, construction math, and surveying and layout.

High School Programs

Engineering Academy

The URITC hosts a one-week Engineering Academy for high school freshmen, sophomores, juniors and seniors.

The curriculum includes subjects such as highway design, bridge design, traffic engineering, water resources, environmental engineering, geographic information systems (GIS), geotechnical engineering.

Green Design Academy

The focus of this one-week program for freshmen, sophomores, juniors and seniors is sustainable development on the campus, in the community and in the city. Students learn what sustainability means and how it influences the design of communities and landscapes. Participants visit landscapes, meet designers and installers, and learn about the skills and methods that professionals use in the design of sustainable places.