This is your opportunity to learn from the best
You will benefit from a faculty which includes a strong core of researchers and educators that have played leadership roles in such broad areas as intelligent transportation systems, big data applications in transportation engineering and planning, highway capacity and level of service analysis, transportation policy and transportation economics. Thus, you will be exposed to instructors who are at the forefront of their fields and who are frequently working on projects and topics of current interest, often within the region.

Tailored to meet today’s challenges
It is vital that future transportation engineering industry leaders have the expertise to meet the challenges of the industry. Our programs will provide you with a solid foundation in transportation planning and engineering as well as offer a broad base of electives in emerging infrastructure based and mobile sensor technologies and data-driven control and management of complex transportation systems.

Classes will fit into your busy schedule
You will have the opportunity to take graduate courses at the main campus at MetroTech Center in downtown Brooklyn as well as courses at the Washington Square Campus of NYU. To meet your unique needs, courses are offered during evenings and occasionally on weekends.

Earn academic credits towards a master’s degree
You may begin by enrolling in up to two courses on a non-matriculating basis or by pursuing one of the three certificates in transportation: Traffic Engineering, Transportation Planning, and Transit Management. All credits earned may be applied toward the Master of Science transportation degrees or toward other graduate degrees with approval of the appropriate program advisor.

FACULTY
John C. Falcochlo, P.E., Professor
PhD, Polytechnic Institute of Brooklyn
Kaan Ozbay, Professor
PhD, Virginia Tech
Elena Prassas, Associate Professor
PhD, Polytechnic Institute of NYU
Roger P. Roess, Professor Emeritus
PhD, Polytechnic Institute of Brooklyn
Jose M. Ulierio, Industry Associate Professor
MS, Polytechnic Institute of New York
Philip Habil, Adjunct Professor
PhD, Polytechnic Institute of New York
Raman Patel, Adjunct Professor
PhD, Polytechnic Institute of New York
Mohamad Talas, Adjunct Professor
PhD, Polytechnic Institute of New York
Tra Vu, Adjunct Professor
PhD, Polytechnic Institute of New York
Wuping Xin, Adjunct Professor
PhD, NYU Polytechnic School of Engineering
Andrew Bata, Adjunct Professor
MS, Northwestern
Richard Malchow, Adjunct Professor
MS, Union College
Howard Mann, Adjunct Professor
MS, Polytechnic University
Gerard Soffian, Adjunct Professor
MS, Polytechnic University
For more information please contact:
NYU Polytechnic School of Engineering
Office of Graduate Enrollment Management and Admissions
Six MetroTech Center
Brooklyn, New York 11201
718-260-3182
engineering.gradinfo@nyu.edu
An Advanced, Flexible Education in Transportation

OVERVIEW
The NYU Polytechnic School of Engineering has been the home of one of the strongest transportation groups in the nation since the late 1960’s. The MS programs teach the requisite analytical skills to plan, design, operate and manage all aspects of road traffic, pedestrian and bicycle networks as well as public transportation. You will be exposed to a learning atmosphere that will provide you with a meaningful combination of theory and practice. Courses will include a mix of presentations, discussions, workshop and project exercises and practical problem solutions. The program will have a strong focus on the rapidly emerging field of intelligent transportation systems. This field applies telecommunications and information technology to the solution of a variety of transportation functions, from real-time network-wide traffic control and management using data-driven models, to dynamic toll pricing, to mobile apps for traffic information collection and dissemination, to connected and autonomous vehicles.

ADMISSIONS REQUIREMENTS
To be eligible for admission as a MS candidate, applicants must hold at least a baccalaureate degree from an acceptable institution. All applicants for MS in transportation must show evidence of quantitative analytic ability. For the planning and engineering program, a course in probability and statistics is required. If admitted, students lacking such skills will be required to take remedial courses in addition to degree requirements to strengthen analytic competency. All foreign students admitted to transportation programs must take an examination in English before registration. Based upon an evaluation of the examination, they may be required to take up to two additional courses in English as a Second Language (ESL) for which no graduate credit is given.

CURRICULUM
To earn Master of Science degrees or graduate certificates, students must have a 3.0 GPA or better in all graduate courses. The MS programs are composed of 30 credits. In Transportation Planning and Engineering there are 21-credits of core courses supplemented with 9 credits of electives. In Transportation Management there are 18 credits of core courses, 9 credits of management courses and 3 credits of general electives. Adviser approval is required for all elective selections. For students interested in additional courses in urban planning, management and policy, courses are available at the Center for Urban Science and Progress (CUSP) and the NYU Wagner school.

The program focuses on (1) material suited to the issues and projects students will face on the job; (2) material that is packaged by course in such a way that each course provides specific skills and knowledge; (3) projects in a number of courses; (4) advanced software packages integrated into the courses, including, but not limited to: Synchro and SIMTraffic, AIM SUN, VISSIM, HCS; (5) design problems taught through a project/case studies approach.

Electives
- Transportation Planning and Congestion Management
- Urban Public Transportation
- Design of Parking and Terminals
- Multimodal Transportation Safety
- Transportation Policy
- Advanced Intelligent Transportation Systems
- Freight and Logistics
- Transportation Simulation Software

Master of Science in Transportation Planning & Engineering Curriculum
- 30 credits

<table>
<thead>
<tr>
<th>Section 1</th>
<th>Electives (Choose 3)</th>
<th>9 credits</th>
</tr>
</thead>
</table>

Master of Science in Transportation Management Curriculum
- 30 credits

<table>
<thead>
<tr>
<th>Section 1</th>
<th>Electives (Choose 1)</th>
<th>3 credits</th>
</tr>
</thead>
</table>

Required Courses
- 21 credits

Fundamental Concepts in Transportation
- Transportation Economics
- Intelligent Transportation Systems & Their Applications
- Urban Public Transportation Systems
- Management of Transit Maintenance & Operations

Electives
- 9 credits

Required Courses
- 18 credits

Transportation Management
- Forecasting Urban Travel Demand
- Transportation Economics & Analytics
- Intelligent Transportation Systems & Their Applications

Electives
- 9 credits

A Master of Science degree in Transportation Planning and Transportation Management is offered by the NYU Polytechnic School of Engineering. Engineering.nyu.edu/civil