MSCE, Transportation Engineering

> *I have benefited so much from [the relationships I built at USC and METRANS], giving me valuable connections to the professionals and researchers in the transportation field I never would have been able to establish on my own.* -Zhaoyang Li

OUR GRADUATES WORK AT

AECOM, HDR, HNTB, LADOT, JACOBS, FEHR & PEERS, DKS ASSOCIATES, CALTRANS, ITERIS, ARUP, LSA, MOFFATT & NICHOL

Learn the tools, techniques, and approaches needed to build sustainable and inclusive transportation systems focused on smart mobility. Leveraging its leadership in research and education, strategic location, and significant ties to industry, our transportation degree programs provide exceptional professional preparation for career advancement.

WHY CHOOSE USC?

- We are a **leader in research** on urban freight movement, adaptive cruise control, autonomous vehicles and AI
- We are **located in Los Angeles**, which is a bustling global trade hub with competitive job opportunities
- We have a **close-knit, multi-disciplinary program** with tailored curricula and individualized advisement

MSCE, Transportation Engineering

PROGRAM OBJECTIVE

Foster expertise in engineering, technical design, modeling, and development for advanced transportation systems.

WHO SHOULD APPLY?

Students with backgrounds in civil engineering or engineering-related disciplines such as industrial, mechanical, and electrical engineering who want to work in any aspect of the transportation industry or pursue a transportation doctoral program in the US.

SAMPLE COURSES:

- CE 521: Transportation Systems Analysis
- CE 583: Design of Transportation Facilities
- CE 589: Port Engineering: Planning and Operation
- CE 584: Intelligent Transportation Operations

MS Transportation Engineering

Scan to learn more about our Master's degrees and the Astani Graduate Scholars Program!

All applicants who submit an application by the deadline are considered for merit-based scholarships. The Astani Graduate Scholars program offers engagement in academic and industry research, along with financial support.

KEY FACULTY

Dr. Ketan Savla
Systems and control, optimization, dynamical networks, queueing systems, infrastructure and robotics

Dr. Roxana Javid
Sustainable transportation, regional policy analysis, big data analysis, transportation and public health, energy and emissions

Professor Eric Shen
Registered Professional Engineer, Certified Transportation Professional Planner, Certified Port Executive

Dr. Geraldine Knatz
Seaport policy and management, maritime transportation, international trade, seaport sustainability, environmental impact analysis

Dr. Ruolin Li
Future mobility systems, autonomous vehicles, game theory, control and optimization

Dr. Shahed Rowshan
Intelligent transportation systems, civil infrastructure systems, risk assessment and mitigation, transportation infrastructure security

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