

CEE Graduate Certificates in Advanced Transportation Systems

Air Transportation Systems

All students must complete CEE 5614: Analysis of Air Transportation Systems.

The remaining three courses must be selected from those listed below:

- CEE 5660: Transportation Risk, Reliability and Security
- CEE 5600: Civil Infrastructure Systems Analysis
- CEE 5620: Transportation Network Analysis
- ENGR 5014: Applied Systems Engineering
- ISE 5484: Modeling Processes in Operations Research
- An Approved Technical Elective Course

Traffic Control and Operations

Student must complete three of the following courses:

- CEE 5640: Highway Transportation Safety
- CEE 5604: Traffic Characteristics and Flow
- CEE 5634: Analysis and Planning of Mass Transit Systems
- CEE 5670: Applied Traffic Engineering Analysis
- CEE 5694: Traffic Signal Systems Operation and Control

The fourth course may be from the above list or those listed below:

- CEE 5624: Transportation Planning and Land Use
- CEE 5754: Pavement and Bridge Management Systems
- An Approved Technical Elective Course

Transportation Systems Engineering

Student must complete three of the following courses:

- CEE 5624: Transportation Planning and Land Use
- CEE 5634: Analysis and Planning of Mass Transit Systems
- CEE 5614: Analysis of Air Transportation Systems
- CEE 5604: Traffic Characteristics and Flow
- CEE 5670: Applied Traffic Engineering Analysis

The fourth course may be from the above list or those listed below:

- CEE 5640: Highway Transportation Safety
- CEE 5694: Traffic Signal Systems Operation and Control
- CEE 5600: Civil Infrastructure Systems Analysis
- CEE 5754: Pavement and Bridge Management Systems
- An Approved Technical Elective Course

Departmental Contacts

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