

**MS – Emerging Transportation Systems**

*This course plan serves as an example of the program. Program requirements and course offerings are subject to change.*

<p>Semester 1</p> <ul style="list-style-type: none"> <li>● Core Course (4 units)</li> <li>● Core Course (2 units)</li> <li>● Core Course (2 units)</li> </ul>	<p>Semester 2</p> <ul style="list-style-type: none"> <li>● Core Course (4 units)</li> <li>● Approved Elective (4 units)</li> </ul>
<p>Semester 3</p> <ul style="list-style-type: none"> <li>● Approved Elective (4 units)</li> <li>● Approved Elective (4 units)</li> </ul>	<p>Semester 4</p> <ul style="list-style-type: none"> <li>● Approved Elective (4 units)</li> <li>● Approved Elective (4 units)</li> </ul>

**Core Courses (12 units)**

- CE 430: Sustainable Transportation (2 units)
- CE 471: Principles of Transportation Engineering (4 units)
- CE 536: Future of Mobility (4 units)
- CE 579: Introduction to Transportation Law (2 units)

**Approved Electives (20 units)**

- CE 505: Data Management for Civil and Environmental Engineering (2 units)
- CE 521: Transportation Systems Analysis (4 units)
- CE 524: Digital Tools for Transportation
- CE 568: Fundamental Concepts of Computing and Programming in Civil and Environmental Engineering (2 units)
- CE 573: Advanced Technologies in AEC Practices (4 units)
- CE 577: Data Analytics for Surface Transportation (4 units)
- CE 582: Transportation System Security and Emergency Management (4 units)
- CE 584: Intelligent Transportation Systems (4 units)
- PPD 631: Geographic Information Systems for Policy, Planning, & Development (2 units)
- PPD 634: Institutional and Policy Issues in Transportation (4 units)

Additional electives may be approved by the program advisor.