



Glenn Department of

CIVIL ENGINEERING
Clemson University

TRANSPORTATION ENGINEERING CERTIFICATE

Program Overview: Courses will cover the concepts and applications of planning, design, operation, and management of transportation infrastructure to support the everchanging field of transportation.



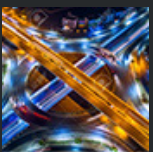
CE 6100 — Traffic Engineering Operations

Basic characteristics of motor-vehicle traffic, highway capacity, applications of traffic control devices, traffic design of parking facilities, engineering studies, traffic safety, traffic laws and ordinances, and public relations.



CE 6120 — Urban Transportation Planning

Principles and best practices of project controls for capital construction projects, including conceptual and detail estimating, scheduling, and earned value management (EVM); development of project baseline incorporating scope, schedule, and budget; use of baseline to monitor and manage cost and schedule performance; and shortcomings of EVM.



CE 6910 — Analysis of Civi Infrastucture Systems

Students learn concepts of Intelligent Transportation Systems (ITS), including traffic flow principles, advanced traffic sensor and communications technologies and real-time management strategies, to increase the safety and efficiency of the surface transportation system. Covers the process of planning, design and operations of ITS.



CE 8140 — Intelligent Transpotaion Systems

Students learn concepts of Intelligent Transportation Systems (ITS), including traffic flow principles, advanced traffic sensor and communications technologies and real-time management strategies.

Scan for information



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