

TRANSPORTATION ENGINEERING (TENG)

TENG 140 Railway Basics & Safety 3(3-0)

As Needed.

Introduction to railway materials, infrastructure, different aspects of operations, innovation policy, vehicle dynamics, power, rolling stock, maintenance, and structural, operational, socio-economic and environmental safety.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

TENG 405 Multimodal Transportation Systems 3(3-0)

As Needed.

Overview of materials, infrastructure, operations, safety and future aspects of ground, water and air transportation systems.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

TENG 415 Supply-Chain & Logistics Management 3(3-0)

As Needed.

Analysis, design, operation, and evaluation of supply chain and logistics systems including concepts, demand forecast, transformation of demand into supply, national and international policy and efficient transportation.

Prerequisites: MATH 101.

Corequisites: None.

Registration Information: None.

TENG 440 Railway Transportation 3(3-0)

As Needed.

Comprehensive study of railway geotechniques, infrastructure, road dynamics, power systems, operations, efficiency, safety, engineering analysis and design.

Prerequisites: PHYS 201.

Corequisites: None.

Registration Information: None.