



# Transportation Engineering Fundamentals

- Human and Vehicular Characteristics
- Data Analysis & Statistics
- Volume Studies
- Speed Studies & Speed Zoning
- Travel Time & Delay Studies
- Parking Studies
- School & Pedestrian Zones
- Geometric Design Fundamentals
- Intersection Design & Control
- Traffic Engineering Administration & Legal Responsibilities
- Roundabouts
- Pedestrian & Bicyclist Considerations
- Access Management
- Introduction to Traffic Control Devices
- Roadway & Intersection Capacities
- Traffic Signals
- Sight Distance
- Passing Zone Studies
- Crash Analysis
- Retroreflectivity
- Micromobility

## OBJECTIVE

This is a great introductory class designed for all those who work in the transportation field including engineers, technicians, educators, and enforcement personnel. The course provides a comprehensive coverage of the basic fundamentals to analyze and solve urban and rural transportation challenges. Through presentations, discussion and online exercises, participants become familiar with the basic concepts and current topics for both urban and rural transportation challenges.

## COURSE LOCATION

Webinar format using Zoom.

## INSTRUCTIONAL STAFF

Instructors are professionals practicing in Oregon.

## SCHEDULE

**This six-week course** will meet on Tuesdays starting November 2 through December 7, 2021. Instruction runs from 8:30am – 12:00pm.

**The course is offered in three, two-part modules. You may register for the entire six-week course or separate modules.**

## ENROLLMENT

Register and submit the course fee online. Make checks payable to The Kiewit Center and submit at least one week prior to the class. Zoom credentials will be provided after registration. If a registration must be canceled, a full refund can be made only if a notice of withdrawal is received at least one week prior to the course starting date. *Substitute attendees are encouraged.*

**Tuesdays  
Nov 2 - Dec 7, 2021  
Webinar via Zoom**

**\$200 Full six-week  
course  
OR  
\$70 per module**

**Register Online**  
[cce.oregonstate.edu/traffic-safety-workshops](https://cce.oregonstate.edu/traffic-safety-workshops)  
**21 PDH for full course**

Make checks payable to: The Kiewit Center  
The Kiewit Center, OSU  
101 Kearney Hall  
Corvallis, OR 97331  
Attn: Traffic Safety Workshops

*This publication will be made available in accessible formats upon request. Please call 541-737-4273 for information.*