COURSE NUMBER
FHWA-NHI-137060

COURSE TITLE
Introduction to Connected Vehicles and Automated Vehicles

This course is brought to you by the Intelligent Transportation Systems Joint Program Office’s Professional Capacity Building Program (https://www.pcb.its.dot.gov/).

The goal of this course is to provide public and private sector practitioners with an understanding of the basics of connected vehicle and automated vehicle technology. This introductory course highlights the USDOT’s connected and automated vehicle research and efforts and the technologies’ benefits and implications. Participants will learn about the applications envisioned for the connected vehicle and automated vehicle environments.

The course consists of the following WBT topics:
Topic 1: What Are Connected Vehicles and Automated Vehicles?
Topic 2: Technologies and Applications for Connected Vehicles and Automated Vehicles
Topic 3: Research Toward Implementation
Topic 4: Testing and Piloting the Technologies
Topic 5: Resources for Deployment

This course was launched in --month-- 2019.

Some of the topics include videos and links to more resources.

This web-based course (WBT) offers an End-of-Course Assessment that qualifies you to receive Continuing Education Credits (CEUs).

To enroll in this WBT/WCT course, select the ‘View Sessions’ button and select ‘Add To Cart’ next to your session choice. If there are no upcoming sessions, select ‘Sign Up for Session Alerts.’

OUTCOMES
Upon completion of the course, participants will be able to:
• Describe the concept of connected vehicles
• Describe the concept of automated vehicles
• Identify the types of communications technologies that can be used for connected vehicles
• Describe how connectivity enhances automation
• Identify some of the applications for connected and automated vehicles
• Describe the pertinent USDOT research efforts related to connected vehicles
• Describe the pertinent USDOT research efforts related to automated vehicles
• Identify the resources available to learn more and get involved

TARGET AUDIENCE
The target audience for this WBT course includes transportation planners, managers, and engineers at state and local agency levels who are interested in learning about the basics of connected vehicles and automated vehicles, their benefits and implications, and the USDOT’s latest related research and activities.
TRAINING LEVEL: Basic

FEE: 2020: $0 Per Person; 2021: N/A

LENGTH: 2 HOURS (CEU: .2 UNITS)

CLASS SIZE: MINIMUM: 0; MAXIMUM: 0

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