The ITS PCB Program is a leading resource for training and instruction in the field of ITS. The program offers comprehensive, accessible, and flexible ITS learning opportunities—through training, technical assistance, web seminars, peer exchanges, case studies, reference materials, and local programs.

Visit the ITS PCB Program website to learn more: https://www.pcb.its.dot.gov/
Connected and Automated Vehicle Core Curriculum

ITS technologies are advancing to facilitate a transportation system that works seamlessly with connected and automated vehicles to provide information that serves the interests of users and is responsive to the needs of travelers and system operators. These technologies have the potential to save lives, enhance roadway system capacity, and provide other accessibility and mobility benefits to transportation users. As new ITS technologies and systems evolve into market-ready products, successful deployment and operation of these new technologies depend largely on a knowledgeable, trained, and skilled workforce to support them.

The ITS PCB Program supports a variety of ITS learning opportunities to ultimately result in better ITS deployments and more efficient operations. The program has developed a core curriculum for those interested in careers in connected and automated vehicles.

### Introductory Trainings
- Connected Vehicles 101
- Connected Vehicles 102
- Automated Vehicles and Policy – Updated Webinar and Archives
- Roles of Public and Private Sectors in ITS: Cooperative Partnerships
- Procurement Course on Connected and Automated Vehicles and Smart Community*
- Data Management Course*
- Securing Transportation Systems Webcast
- Introduction to Systems Engineering
- Vehicle-to-Infrastructure (V2I) ITS Standards for Project Managers
- Vehicle-to-Vehicle (V2V) ITS Standards for Project Managers

### Practitioner Basic Trainings
- Connected Vehicles 200: Deploying Connected Vehicle Technology*
- Deploying ITS: Strategic Planning and Implementation
- Introduction to the National ITS Architecture – Incorporating Connected Vehicle Reference Implementation Architecture
- ITS Procurement
- Managing High Technology Projects in Transportation
- Operations Performance Management: Real-time Operations to Long-term Planning
- Fundamentals of Database Management Systems
- Archived Data for Planning, Operations, and Safety
- Cyber Policy Modular Course
- Advanced Systems Engineering for Advanced Transportation Projects

### Practitioner Advanced Trainings
- Connected Vehicle Data Analytics to Optimize Operations Course*

(*Training Under Development)

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Benefits

Continued education and training are key to both personal career advancement and growth as well as technology advancement and deployment that benefits society as a whole. Within the transportation industry, the ITS PCB Program offers benefits such as:

- **Transportation professionals**, including engineers, managers, planners, and technical specialists, will increase their knowledge and expertise so they can effectively plan, procure, and deploy ITS technologies. In addition, they will provide leadership within their organizations on ITS issues and promote the ITS profession.

- **Universities and learning providers** will be able to collaborate with other learning providers to share effective learning techniques, participate in ITS research through test beds and other pilots, and improve their access to customers.

- **Transportation agencies** will benefit from a workforce that is better trained to implement, operate, and maintain ITS technologies that deliver benefits to the traveling public.