



Intelligent Transportation
Fundamentals
MicroTraX

Intelligent Transportation Fundamentals MicroTraX



Estimated Hours

4



Number of Courses

4



Learning Type

Video-based learning is self-paced while allowing access to professionals in the industry.



Need Help?

Contact us at support@thenexted.com to discuss this MicroTraX with an advisor.

Intelligent Transportation Fundamentals MicroTraX

Intelligent Transportation Systems (ITS) has its own set of technical phrases, acronyms and technology designations. ITS has now merged with other industries to advance safety and data-driven transportation. This MicroTraX is meant to present a foundational base of knowledge for more advanced learning and level-set for those coming into the intelligent transportation and new mobility arenas.

COURSE OBJECTIVES

- What is the terminology and what are the technical phrases of ITS?
- What impact does ITS have on city, traffic and infrastructure planning?
- What does ITS mean for safety on the roads?
- What fundamentals need to be understood for ITS deployment?
- What are the costs of ITS to local, regional and state departments?
- What are examples of ITS strategies and outcomes?

Prerequisites

There are no prerequisites for this MicroTraX.

Are there discounts or payment plans? What if my employer is paying?

The NEXT Education does provide a government employee discount. Please contact us to receive a link to use with your registration to receive that discount. We do not present payment plans, however, we do accept most major credit cards. Should an employer be paying for the registration, please contact us.

Learn From The Best In The Field



Mark Chaput

COO, American Center for Mobility

Mark manages the operational resources of the American Center for Mobility, focusing on the ongoing development of intelligent transportation testing and technology. Mark joined ACM after 31 years of service with the Michigan Department of Transportation (MDOT) on an eighteen-month special assignment leading the construction of ACM's test center. In August 2018, Mark became the ACM VP of Facility Operations and Construction. Through his tenure at MDOT, Mark held numerous senior level positions including University Region Engineer and more recently the Deputy Director of the Bureau of Field Service Function where he was an early champion and leader within MDOT's ITS and Connected Vehicle program. Mark holds a Bachelor of Science in Civil Engineering from Lawrence Technological University and sits on the Board of Directors of ITS Michigan.

Our Approach

The NEXT Education's platforms provide you and your teams with the knowledge and power to innovate and advance the development and deployment of the intelligent transportation and new mobility industries. We have partnered with organizations working in industries developing and advancing intelligent transportation and new mobility systems to offer credentials, certifications and CEU/PDH credits.

MicrotraX Platform

Through a series of video-based and online live instruction, learning is delivered in a flexible, convenient and entertaining format. With knowledge check throughout the process, these self-paced programs allow you to advance your career whenever and wherever you are ready to learn.

Video & Online Seminar Based Programs

The video and online learning model is both collaborative and flexible combining the best of self-paced and instructor-led learning.

Real-World Projects

Real world projects and problems, proposed by subject matter experts in the field, give you the opportunities for hands-on, up-to-date skills by putting them into practice and creating a portfolio of work.

Certification & Credentialing Programs

Our innovative certification and credentialing partnerships allow you to stay up to date but, more importantly, to gain valuable recognition to advance your interests and your career.



The NEXT Education

For the Change Agents. For the Curious. For the Innovators.

Intelligent transportation and new mobility systems are built on critical knowledge and deep problem-solving skills combined with a passion for creating a safer, accessible, equitable, sustainable and connected transportation infrastructure.

As connected and autonomous mobility and smart cities rapidly increase, so does the demand for knowledgeable leaders, certified and credentialed employees, and skilled workers. This requires consistent up-to-date information on new technologies and real-world experience to stay relevant in an increasing number of fields.

Subject matter experts in the field offers opportunities for hands-on, up-to-date skills by proposing field-inspired problems to solve as part of a course project. This puts their learning into practice and builds experience and a meaningful portfolio.

As part of The NEXT Education's educational offerings, our innovative certification and credentialing programs help students gain valuable recognition necessary to upskill and succeed in their careers. With credentialing and certification curriculum developed in strategic partnerships with industry leaders and insights for what's next weaved into our own instructor base you will be well-positioned to provide impactful insights in the workforce of today and tomorrow.

Installers & Technicians

For installers and technicians who are seeking ways to upskill and equip themselves with the knowledge and expertise of today's advanced technology systems, The NEXT Education offers various tracks in autonomous and connected vehicles, and more.

Engineers

Smart infrastructure, intelligent transportation and mobility communication advancements are becoming more and more of a reality in the mobility landscape. We have those offerings to help engineers get ahead of the curve.

Leaders & Planners

For the next-generation mobility leaders and visionaries, The NEXT Education provides unique dialogue from industry experts in the public policy, transportation, automotive and emerging technology fields.

Policy Makers

Understanding legislation, regulation, the administration of both and communicating the intersection of data, technology and transportation to the public is imperative.

If you have specific areas of interest, please contact us and we can guide you to other programs that suit your needs.

Want to Help Others Be Agents of Change? Partner With Us!

We know that building and refining quality education programs starts with strong partnerships. THE NEXT Education is always looking for strategic partners to support and grow the potential for new immersive educational offerings. Together, The NEXT Education and our strategic partners map out the learning path and delivery options through highly customizable approaches. This nimble and agile approach allows educational opportunities for ever evolving skills and needs.