



Installer & Technician
Credential (ITC)
MicroTraX

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Estimated Hours

20



Number of Courses

14



Learning Type

With video-based and on-line live instruction, learning is self-paced and allows you to interact with professionals in the industry.



Need Help?

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

Installer & Technician Credential (ITC) MicroTraX

Day-to-day operations, as well as longer-term planning for today's traffic technicians and engineers, are rapidly changing. As purchases and installations evolve from analog to digital equipment technicians, planners and engineers are responsible for deploying and maintaining information-centric systems. This course will give the information and experience necessary for strategic planning, tactical implementation and smooth operations.

COURSE OBJECTIVES

- What are the decisions that are involved in installing ITS?
- What are the strategies used in ITS deployments?
- How do technicians get started in this field?
- What are the components of a work order?
- What are the processes that need to be done in installations?
- What are the troubleshooting practices?

The ITC MicroTraX offers transportation professionals a condensed, yet flexible approach to begin their journey into intelligent transportation systems (ITS). The course will familiarize participants with the history, ecosystem, functions, and architecture of ITS applications, as well as the concepts and vision of cybersecurity within the intelligent transportation ecosystem. The ITC curriculum has been developed around the specific in-demand skills for workers engaging in the new connected economy. All instructors are subject matter experts, equipped with real-world field experience, ready to prepare participants with a solid foundation in infrastructure basics and supporting systems technologies.

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



Shel Leader

A technology and communications systems professional and experienced project manager, Shel has been active in the U.S. and Canada in the development, design and deployment telecommunication, SCADA, security, and networking systems since 1974 working with local, state and federal agencies focusing on transportation, transit, hospital, university and financial systems. Shel's systems experience include intelligent transportation systems, fiber cable deployment, traffic management centers, transit CAD/AVL systems, E 9-1-1 operation centers; computer aided dispatch and wireless systems for public safety, fiber optic communication networks, wireless communication systems, 10 GigE fiber backbone and core system networks, university & hospital systems to provide secure access to sensitive laboratory facilities. Shel has significant work experience merging legacy and new technologies. He is the author of FHWA's "Telecommunications Handbook for Transportation Professionals". Shel is a proud United States Air Force veteran.

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.