



Autonomous Vehicles  
Fundamentals  
MicroTraX

# Autonomous Vehicles Fundamentals MicroTraX



Estimated Hours

4



Number of Courses

8



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](mailto:support@thenexted.com) to discuss this MicroTraX with an advisor.

# Autonomous Vehicles Fundamentals MicroTraX

Autonomous technologies are accelerating the pace of change, long-term competitiveness and transportation accessibility. This Fundamentals MicroTraX encompasses communications, new technologies and the AV industry impact. It is designed for those who need to become proficient in AV knowledge, acquire new skill sets, and, in turn, become a part of the change that autonomy is bringing to transportation.

## COURSE OBJECTIVES

- What are the fundamental concepts of autonomous vehicles?
- How are autonomous vehicle technologies accelerating the pace of change? What is the impact of autonomous vehicles?
- What are the new technologies and new communications strategies? How do these strategies drive autonomous policy?

## 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



### Alisyn Malek

Executive Director, Commission on the Future of Mobility  
CEO, Middle Third  
Co-Founder, May Mobility

Alisyn Malek is the Executive Director for the Commission on the Future of Mobility. She is also the founder and CEO of Middle Third, a boutique mobility consultancy helping clients to unlock the potential of technology and transportation. Prior to these roles, she co-founded May Mobility building autonomous vehicle transportation solutions. She grew the company from laboratory concept to operations in three states and a strong pipeline for growth in less than three years. Alisyn started her career as an engineer working on electric vehicle charging technology at General Motors before moving to their corporate venture arm, leading investments across electrification, connected vehicles, mobility and autonomy. Alisyn was recognized as an Automotive News All Star in 2019, a top ten female innovator to watch by Smithsonian in 2018 and a top automotive professional under 35 to watch by LinkedIn in 2015.

## Learn From The Best In The Field



### Séamus Hatch

Founding Partner, Level Eight Ventures

Séamus has spent over twenty years building businesses around new technology as an executive, CEO and board member. He was developing distributed object-oriented securities trading systems in the 1990s, big data and AI systems before they were cool, as well as one of the first large-scale enterprise SAS systems. He spent several years in China growing venture and private equity funded businesses. After fifteen years in Silicon Valley, Seamus moved to Ann Arbor as a founding partner of Level Eight Ventures. He is a mentor for TechStars, instructs, helped develop the SAE Connected Vehicle Professional certification program and is a frequent speaker at industry conferences. He is a board member/investor/adviser to a number of early stage technology companies, including We Predict, Pathware, SpinTech, Cambridge Quantum Computing, Invision AI, Rally and The NEXT Education.

## 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.