

Electric Cars

Obtain a comprehensive understanding of electric mobility to lead projects and initiatives to success.

Pursue the Program (~~\$200~~ \$180 USD)

I would like to receive email from Delft University of Technology (TU Delft) and learn about other offerings related to Electric Cars.

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Professional Certificate Program

A series of career-oriented courses to develop in-demand skills.

Electric vehicles are the future of transportation. Electric mobility has become an essential part of the energy transition strategy and will result in significant changes for vehicle manufacturers, governments, companies and individuals.









In this program, you will be given a comprehensive view of electric mobility. You will gain knowledge of the most important aspects of this new market, including state-of-the-art technology of electric vehicles and charging infrastructure; profitable business models that can work for enterprises in this market; and effective policies for governmental bodies, which will accelerate the uptake of electric mobility. This series of four courses will deliver expertise you can apply to all aspects of electric mobility as its importance grows. It will help policy makers, engineers and fleet managers to make sound strategic decisions about e-mobility products and their implications.

This program was co-developed by Dutch Innovation Centre for Electric Road Transport (Dutch-INCERT) and TU Delft and is taught by experts from both the industry and academia, who share their knowledge and insights.

Job Outlook

- New registrations of electric cars hit a new record in 2016, with over 750 thousand sales worldwide (International Energy Agency)
- As the number of electric cars continues to increase, private and publicly accessible charging infrastructure also continues to grow (International Energy Agency)
- Jobs in electric vehicle show great potential for new employment opportunities, and employment is expected to grow in all of the major sectors of industry (Source: Bureau of Labor Statistics, US Department of Labor)
- Job opportunities include: R&D manager; business development manager or international account manager in EV (related) industries. Also, consultant or advisor in business and government who can lead and support projects related to future mobility.

Real Career Impact

 Average Length:	4 weeks per course
 Effort:	4- hours per week, per course
 Number Of Courses:	4 Courses in Program
 Subject:	Engineering, Electronics, Business & Management
 Institution:	Delft University of Technology (TU Delft)
 Language:	English
 Video Transcripts:	English
 Price (USD):	\$200 USD \$180 USD for the entire program. You save \$20 USD.

Learn more about Professional Certificate Programs

Created by leading companies and top universities, Professional Certificate programs are a series of in-demand courses designed to develop the critical skills needed for today's top jobs.

[Learn More](#)



"Understanding the implications of technology for business models is one of the hardest and most rewarding challenges of an electric vehicles innovation team. Well thought-out products and services result from a thorough understanding the role of technology, business models, policies and policy instruments and their use in practice. This Professional Certificate program helps to make better strategic decisions about e-mobility products and services."

— Crijn Bouman , VP Product Line Management at ABB Product Group EV Charging Infrastructure

What You'll Learn:

- The role of electric vehicles in the energy transition strategy.
- Fundamental understanding of the technology behind electric cars and charging technology and infrastructure.
- Fundamental understanding of future potential and profitable business models for electric cars.
- TCO models, lean mass productions, value chain thinking and business integration.
- Fundamental understanding of policy objectives and instruments to support electric mobility and the role of government in transition management and effective public policy interventions.

Courses in the Professional Certificate Program

Courses



Electric Cars: Introduction

Get a basic understanding of electric cars and learn about leading technologies, development of profitable business models and effective policies.

[View the Electric Cars: Introduction course](#)

Starts on April 19, 2018 - Self-Paced



Electric Cars: Technology

Get an in-depth understanding of the technology behind electric cars.

[View the Electric Cars: Technology course](#)

Starts on July 31, 2018 - Self-Paced



Electric Cars: Business

Get an in-depth understanding of varied profitable business models for electric cars.

[View the Electric Cars: Business course](#)

Starts on September 17, 2018 - Self-Paced



Electric Cars: Policy

Learn about the role of public policy in steering technological innovation and infrastructural change toward zero-emission mobility.

[View the Electric Cars: Policy course](#)

Starts on September 4, 2018

PROFESSIONAL CERTIFICATE

The DelftX logo consists of the text "DelftX" in white, sans-serif font, centered within a solid blue rectangular box.

This is to certify that

Paul V. Sheridan

successfully completed all four required courses and received
passing grades earning a Professional Certificate in

Electric Cars

a program offered by DelftX, in collaboration with edX.

Pavol Bauer

Pavol Bauer

Professor of DC Systems, Energy Conversion &
Storage

Delft University of Technology (TU Delft)



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Issued October 2018

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Paul V. Sheridan

successfully completed and received a passing grade in

eCARS1x: Electric Cars: Introduction

a course of study offered by DelftX, an online learning initiative of Delft University of Technology through edX.

DelftX

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VERIFIED CERTIFICATE
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eCARS03x: Electric Cars: Business

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Issued August 13, 2018

VALID CERTIFICATE ID
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eCARS2x: Electric Cars: Technology

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eCARS04x: Electric Cars: Policy

a course of study offered by DelftX, an online learning initiative of Delft University of Technology through edX.

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