VECTOR

modular mx

Certified
Embedded
Associate

VECTOR certified

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Who are we?   Associate level   Become A CEA   What Do I Learn?   What is Included?   Who Can Participate?   Phases   Details

Who are we?

We are the second company in the world, and the first one in the Americas, authorized to deliver this certification training. We also deliver this training in Spanish, making it accesible and tailored to the needs of the automotive professionals in Mexico.

Participants receive an official certification directly from Vector, a global leader in automotive software and tooling. This certification is internationally recognized and valued across the industry.
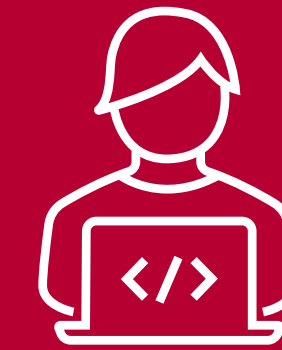
> **For more information click here**

Associate level

CEA – Learn the basic methodology of AUTOSAR Classic, and gain first hands-on experience with the Vector MICROSAR solution and the DaVinci toolchain.

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Why Should I Become A CEA?

Low Entry Level
Basic coding skills in automotive software required.

Career Booster
As AUTOSAR is the dominant standard in automotive software development, this course will help you to stand out from the crowd

Individual Certificate
Highlight your successful completion of the Certified Embedded Associate program by adding your digital badge to your social media profile.

Learn From Experts
High-quality course content designed by industry experts and seasoned professionals accompanied by practical exercises on a virtual machine.

What
Do I Learn?

Certified Embedded
Associate **AUTOSAR Classic**

≫ Gain understanding of the Vector software delivery and how to start.

≫ Introduction to DaVinci Configurator Classic and DaVinci Developer Classic.

≫ AUTOSAR fundamentals - cluster structure of the basic software (BSW), the fundamentals of the RTE, and basic application development.

≫ Basics about AUTOSAR OS and communication.

≫ Fundamental configuration of the Mode Management and how to store non-volatile data.

≫ Basics about Diagnostics.

≫ Overview of the Vector products and supporting services.

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What is Included?

ES **Meetings with the instructor**
in Spanish

Comprehensive Learning Materials

Available as blended learning

Optimized learning journey through different types of media that are being used

Hands-On Practical Exercises by Vector
Hands-On Practical Exercises by ModularMX

Engage in practical exercises to apply theoretical knowledge

Gain real-world experience through working with the Vector products

Virtual Machine Environment 24/7

Access a dedicated virtual machine for a seamless learning experience

All necessary software and tools conveniently integrated into the virtual environment

Certification

Earn the CEA certification upon obtaining a passing grade in the certification exam

Enhance your credibility with a certification from a market-leading software company

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Who Can Participate?

Test engineers

Application developers

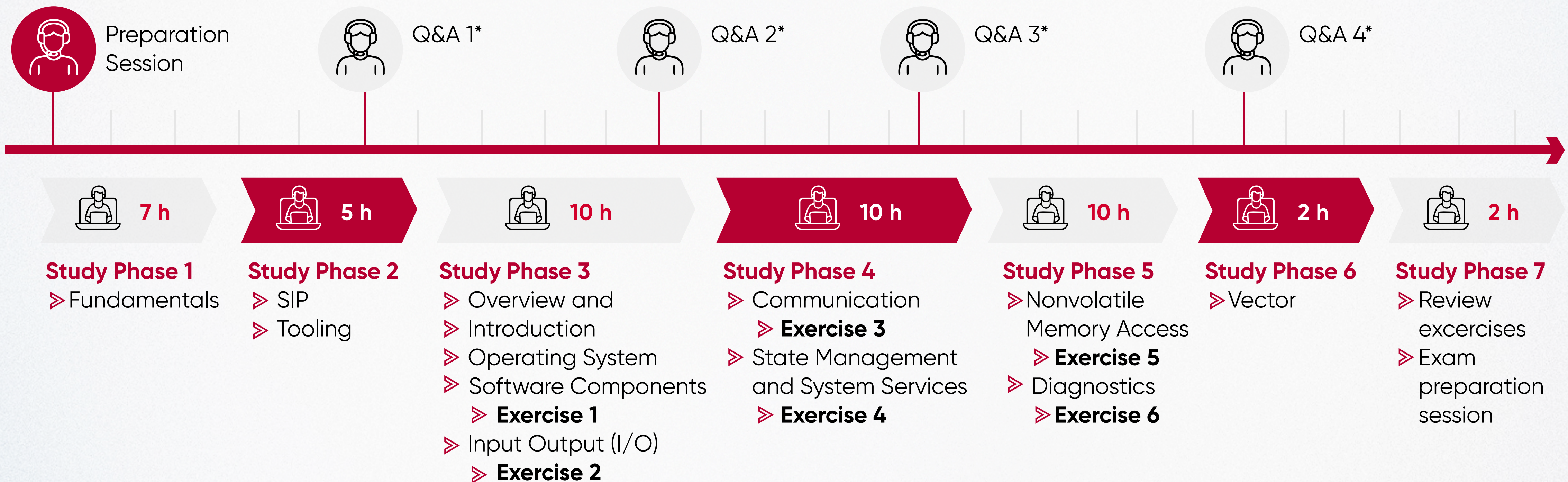Graduates

AUTOSAR beginners

MCAL developers

All embedded software engineers in the automotive environment can take part in the qualification program.

The only requirement is basic automotive programming knowledge. You will acquire all other knowledge during the course.

Phases

Preparation Session

Q&A 1*

Q&A 2*

Q&A 3*

Q&A 4*

7 h

5 h

10 h

10 h

10 h

2 h

2 h

Study Phase 1
⯈ Fundamentals

Study Phase 2
⯈ SIP
⯈ Tooling

Study Phase 3
⯈ Overview and
⯈ Introduction
⯈ Operating System
⯈ Software Components
  ⯈ **Exercise 1**
⯈ Input Output (I/O)
  ⯈ **Exercise 2**

Study Phase 4
⯈ Communication
  ⯈ **Exercise 3**
⯈ State Management and System Services
  ⯈ **Exercise 4**

Study Phase 5
⯈ Nonvolatile Memory Access
  ⯈ **Exercise 5**
⯈ Diagnostics
  ⯈ **Exercise 6**

Study Phase 6
⯈ Vector

Study Phase 7
⯈ Review excercises
⯈ Exam preparation session

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Training details

Duration
The training program has a total duration of 6 weeks, and includes two instructor-led sessions per week.

It is necessary to dedicate a minimum of 2 to 3 hours per day for study.

Training Cost:
$54,172 MXN