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Certified Embedded Associate Software Architecture

Agenda VectorAcademy

Delivery Format:	This course is offered in a blended learning format. In the blended learning format the content will be learned via E-Learning and there will be accompanying remote sessions.
Duration:	Approx. 28 hours of self-study + 7 hours of remote sessions Please make sure you have enough time to self-study between the remote sessions.
Target Group:	Embedded SW Architects
Prerequisites:	Knowledge about software development for automotive systems.
Goal:	Acquire basic knowledge in the field of embedded software architecture.

1. Terminology and Role

- Terminology and meaning of SW architecture
- Role of a SW architect
- Basics in Unified Modeling Language (UML)
  - Including hands-on experience

2. Architecture Design

- Development approaches
- Influencing factors to the embedded SW architecture
- Important design principles and methods
  - Including hands-on experience
- Architecture styles and design patterns
  - Including hands-on experience

3. Documentation and Evaluation

- Communication and documentation of embedded SW architectures
  - Including hands-on experience
- Quality assessment and assurance of embedded SW architectures
  - Including hands-on experience
- Comparing tools for embedded SW architecture

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Schedule:

