



Agenda VectorAcademy

INTRODUCTION TO CAPL PROGRAMMING

Duration:	1 Day
Target Group:	CANalyzer Users
Prerequisites:	CAN and CANalyzer fundamentals. Programming knowledge required.
Goal:	Fundamental understanding of CAPL programs and their capabilities. Usage of the CAPL Browser as a development environment. Introduction into the CAPL syntax as well as into the basics of developing programs for analysis and modeling of network nodes.

1 | INTRODUCTION | 1.5 H

- ▶ Integrating CAPL programs in CANalyzer/CANoer
- ▶ Event procedure concept
- ▶ CAPL-Browser, compiling and troubleshooting, CAPL and CAN databases

2 | FEATURES AND FUNCTIONS | 2.0 H

- ▶ System and event procedures
- ▶ Data types, arrays, initialization, control structures
- ▶ Arithmetic and logical operations, intrinsic functions
- ▶ Access to message selectors, file functions

3 | PROGRAM DEVELOPMENT | 2.0 H

- ▶ Evaluating messages
- ▶ Configuring and sending messages
- ▶ Timer, cycle times and timeout monitoring
- ▶ Gateway, logging functions

4 | PANELS & SYSTEM VARIABLES | 1.0 H

- ▶ Creating Control Panels using the Panel Designer, System Variables and CAPL

5 | TIPS AND TRICKS | 0.5 H

- ▶ Background information for the user