

DYNA4 – Engine Model

Agenda VectorAcademy

Delivery Format:	This course is offered as a series of Remote Training sessions or in Classroom Format . The course content can be customized from listed agenda items (sessions) according to customer requirements. Combination with items of DYNA4 Fundamentals and DYNA4 Vehicle courses is possible
Duration:	1 Day (Classroom) customer specific for Remote Training
Target Group:	Application engineers and developers in the field of function development and function test of engine ECUs
Prerequisites:	DYNA4 Fundamentals
Goal:	Understand the model approaches of the relevant components of the engine model and engine model components and the corresponding model parameters. Efficient use of the engine preprocessing tool.

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| 1. Overview of Engine Model Variants | 1.0 h |
| <ul style="list-style-type: none">> Model background of engine model variants and corresponding control units> Integration of supplied engine models in the vehicle model | |
| 2. Model Approach of the engine component model and engine parts | 3.0 h |
| <ul style="list-style-type: none">> Mean value model approach (Engine Basic) with corresponding model parameters> Thermodynamic model approach (Engine Thermo) with corresponding model parameters | |
| 3. Engine Preprocessing | 3.0 h |
| <ul style="list-style-type: none">> Parametrization of the models using standard measurements> Operation of the Pre-Processing Tool | |