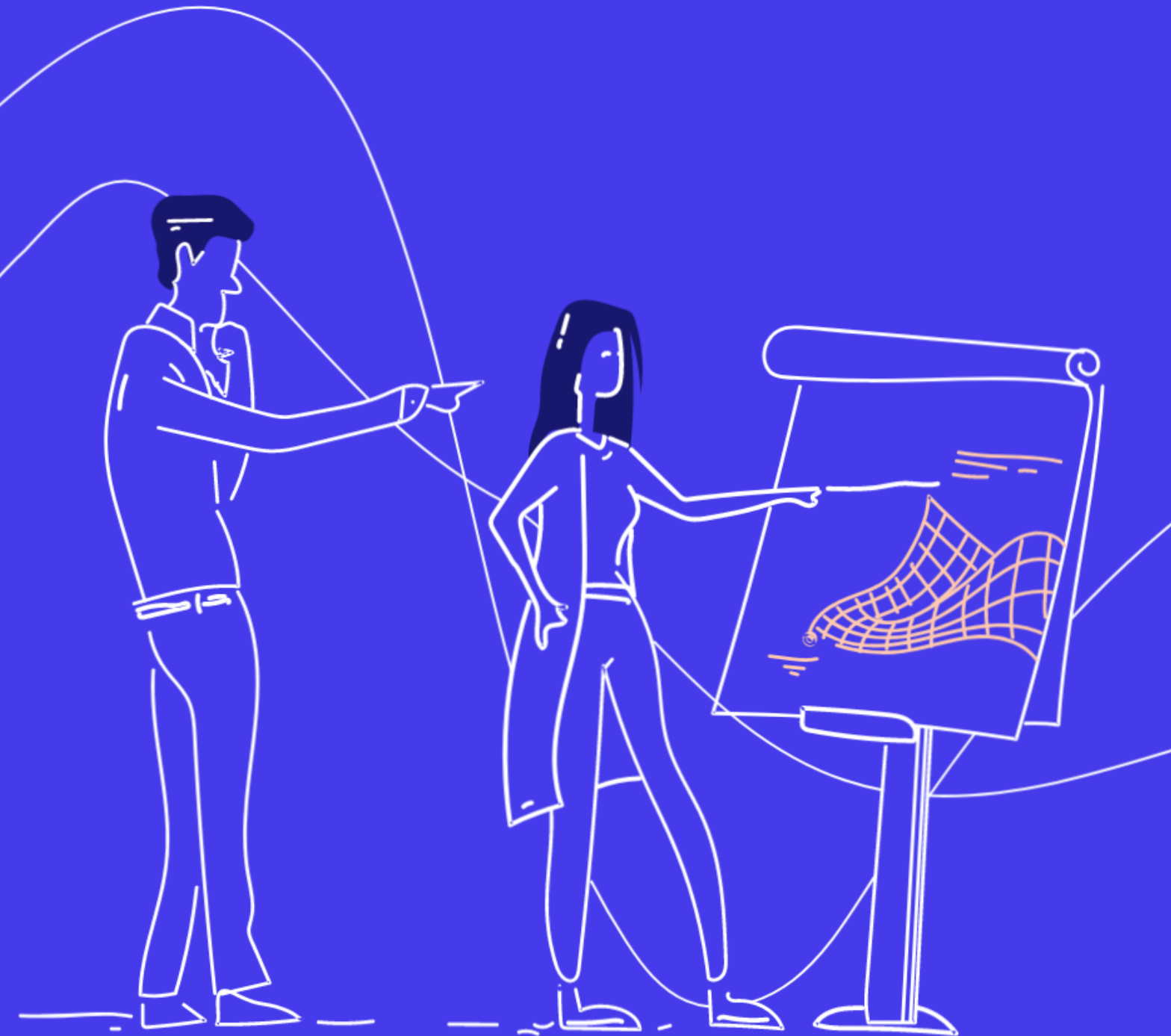




# Automotive Curriculum



SciEngineer's training courses are designed to help organizations and individuals close skills gaps, keep up-to-date with the industry-accepted best practices and achieve the greatest value from MathWorks® and COMSOL® Products.

# Automotive Curriculum

## Prerequisites

For engineers who are new to MathWorks tools.

## Technical Computing & Data Analysis

Skills for using the MATLAB platform to perform data analytics and collaborate on ideas across departments. Suitable for Data Analysts.

## Implementation

Competencies for generating and testing code from design models. The code can be used for rapid prototyping or production code deployment. Suitable for Software Engineers.

## Model Management & Testing

Proficiency in working on large-scale Simulink projects and applying Model-Based-Design principles in a common workflow. Suitable for System Engineers and Test Engineers.

## Modeling & Simulation

Competencies for using the Simulink platform to develop accurate, optimized, and robust system-level designs. Suitable for Control System Engineers.

## Functional Safety

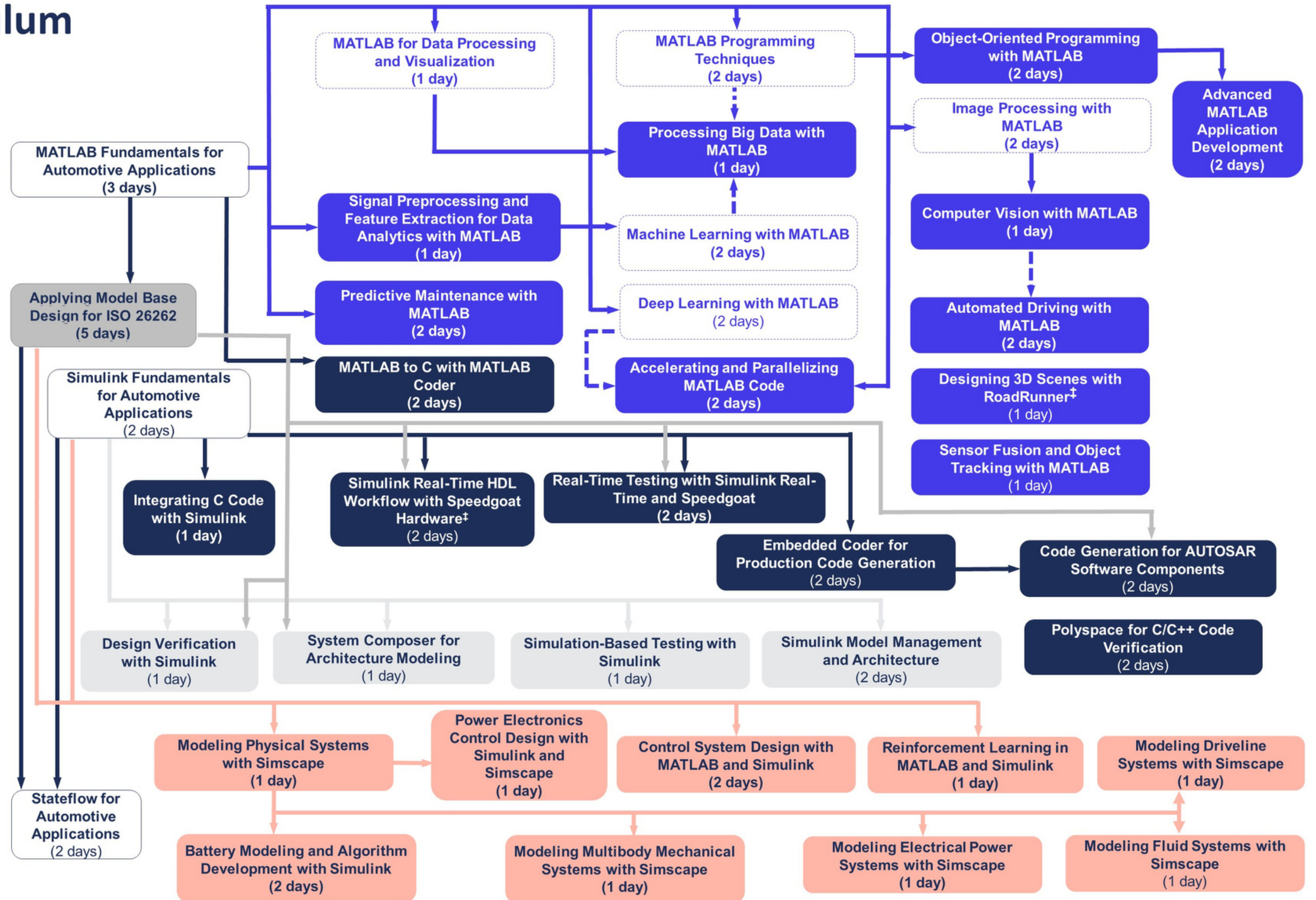
Proficiency for leveraging Model-Based Design. This includes requirement management, architecture and subsystem modeling, code generation, and verification. Suitable for automotive model-based engineers.

## Self-paced Online Course

\* All online courses can be offered in a classroom

----- Soft Prerequisite

‡ Only Private training available



# The Value of an Experienced Training Expert

Our training courses are developed by MathWorks' team of training engineers with exclusive product knowledge gained from working closely with product developers. They acquire significant hands-on experience by using new products months before they are released and are always current on new capabilities.

## Learn Relevant Skills

Each course contains a set of learning objectives designed to help participants quickly master necessary skills. Our hands-on approach allows participants to practice, apply, and evaluate their knowledge in the classroom.

## Receive Expert Instruction

Our training employs industry-accepted best practices for adult learning and technical instruction, and has developed course content that facilitates a "Presentation, Practice, Test" approach to learning. All training engineers have been selected based on their theoretical knowledge, technical education, experience, and teaching ability.

## Increase Team Success Rates

According to post-training surveys, teams who receive 40 hours of training meet project objectives three times as often as those who receive 30 hours or less. This increase in training time raises the likelihood of meeting objectives by 90%.



**Expand your  
knowledge**

