

MBSE Fundamentals using SysMLv2

This course provides a fundamental understanding of Model Based Systems Engineering (MBSE) by using the Systems Modelling Language V2 (SysML) to define a system's structure and behaviour in accordance with its specified requirements and constraints. Students will also learn how to use the CATIA Magic toolset as a cornerstone to an organisation's Digital Engineering solution.

The coursework combines instructor-led modules with hands-on laboratory exercises using industry-standard tools to support systems design, analysis, and collaboration across the full system lifecycle.

What is Covered?

- Understanding the application of MBSE languages, methods and tools
- Introduction to the SysML MBSE language
- Understand the SysML language features required to define static and dynamic system models
- Understand how to apply SysML modelling in MBSE tools
- Understand the applications of MBSE as part of a Digital Engineering solution

Expected Outcomes

The MBSE Fundamentals using SysMLv2 microcredential is designed to give participants a common and practical understanding of MBSE across engineering disciplines and organisational layers.

Upon completion, learners will be able to:

- Understand MBSE and how it applies to the development and sustainment of a system throughout its lifecycle
- Understand key MBSE Language and Tool concepts, using CATIA Magic and SysMLv2, related to the specification, definition

Credential Information

Duration

4 Full Days

Location

Face To Face

Suitable For

Principal Engineers, System Engineers, System Architects, Specialist Engineers

Cost

Get in touch for pricing enquiries

Contact

For more information and to register contact us:

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A laptop and/or tablet with internet connectivity is required to access the learning systems. A secondary screen or device is recommended to access the training content whilst completing laboratory exercises.

For more information on these advanced course, please get in touch.