



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

ℹ️ 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.