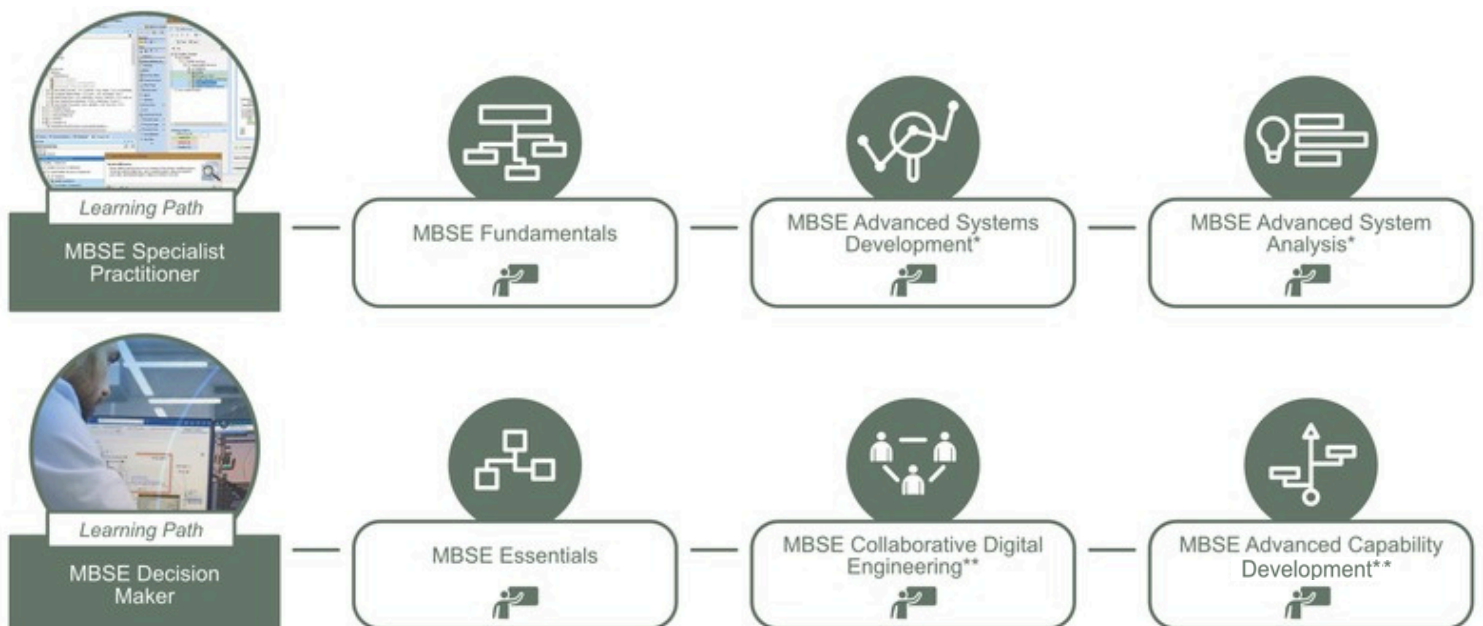


# MBSE Training Course

## Upskilling and digital tool trainings

Unlock your potential with our Model Based Systems Engineering (MBSE) Excellence program, featuring two tailored pathways to suit your learning needs.

Choose to emerge as an **MBSE Specialist Practitioner**, mastering a full spectrum of technical skills, or as an **MBSE Decision Maker**, equipped to lead strategic initiatives. Elevate your systems engineering expertise and stay ahead with our targeted, skill-enhancing courses.



\* Pre-requisite: MBSE Fundamentals

\*\* Pre-requisite: MBSE Essentials or MBSE Fundamentals



Self Paced



Instructor Led

# MBSE Fundamentals

This fundamental course establishes a core understanding of MBSE and its application in the lifecycle of any system. It will introduce participants to the languages, methods and tools for an MBSE approach with guided hands-on application of the skills required to define a system digital twin used to produce specifications. The coursework includes self-paced learning materials with videos, case studies, and recorded lectures for advanced learnings.



### Duration

5 Contact Days



### Suitable For

Principal Engineers, System Engineers,  
System Architects



### Study Mode

Online or In-Person

## What is Covered

- Understand 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 application of MBSE as part of a Digital Engineering solution

## Expected Outcomes

- Establish a core understanding of MBSE and its application in the lifecycle of any system
- Understand detailed SysML language concepts relating to system requirements, structure, and behaviours
- Apply the SysML language concepts in an MBSE tool to design a system
- How to apply MBSE as a key decision support tool in an organisation's digital engineering practice

*For enquiries about pricing or course delivery, please contact us for a detailed discussion*

For further information,  
please contact us:

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 [memko.com.au](http://memko.com.au)

## About MEMKO Systems

MEMKO Systems is an Australian-based company with multidisciplinary engineering capabilities supported by highly experienced and skilled staff with an extensive track record working with global OEMs, Defence Primes, and Government Agencies. MEMKO Systems delivers advanced manufacturing solutions, digital transformation technologies and industry upskilling training. Quality management system is ISO9001 and ISO27001:2013

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## Capability Areas

Analysis, Modelling & Simulation	✓
Digital Twin & MBSE as a Service	✓
Design & Engineering	✓
Infrastructure as a Service	✓
Deployment, Support and Upgrade Services	✓
Training Courses	✓