

# EA and SysML for Systems Engineering

This course is aimed at systems engineers who are new to both SysML and Enterprise Architect. It covers the core SysML diagram types and provides delegates with experience of creating and structuring these diagrams within Enterprise Architect.

**Duration:** 5 days

**Prerequisites:** No prior Enterprise Architect or SysML experience is required. A background in systems engineering is helpful.

**Equipment:**



For on-site delivery the customer should provide a suitable training room with a screen or projector to connect to our trainer's laptop and a whiteboard or flipchart. All delegates require a PC or laptop running Enterprise Architect (SysML edition)



For webinar delivery delegates require a PC or laptop running Enterprise Architect with an Internet connection (a headset can be helpful). If you wish to test your environment join a test WebEx meeting: [www.webex.com/test-meeting.html](http://www.webex.com/test-meeting.html)



A trial version of Enterprise Architect is fine for training and can be downloaded from Sparx Systems website: [www.sparxsystems.com/products/ea/trial.html](http://www.sparxsystems.com/products/ea/trial.html). It is also helpful to have a mouse as this makes creating diagrams much easier.

**Course Style:**























































40% theory, 60% practical.

Each module is accompanied by paper and hands-on exercises to allow delegates to apply the theory and become confident using Enterprise Architect.

**Delegate Handouts:**

Each delegate receives a folder containing all the course slides and comprehensive theory notes which form excellent reference material. Folders also contain exercises and suggested solutions. Following successful completion of the course each delegate receives a certificate.

**Course Modules:**

			Theory	EA	Notation	Exercise	Hands-on
HIPPO 00	Introduction	½ hour					
HIPPO 60	EA Essentials	2½ hours					
HIPPO 30	SysML Overview	½ hour					
HIPPO 67+	EA + SysML Requirements	1½ hours					
HIPPO 68+	EA + SysML Use Case Essentials	3 hours					
HIPPO 69+	EA + SysML Use Case Advanced	2½ hours					
HIPPO 70	EA Traceability	1 hour					
HIPPO 73+	EA + SysML Block Definition Diagrams	3 hours					
HIPPO 74+	EA + SysML Internal Block Diagrams	1½ hours					
HIPPO 75+	EA + SysML Parametric Diagrams	2 hours					
HIPPO 76+	EA + SysML Activity Diagrams	2 hours					
HIPPO 82+	EA + SysML Sequence Diagrams	3 hours					
HIPPO 84+	EA + SysML State Machines	2½ hours					
HIPPO 100	EA Advanced	1 hour					
HIPPO 101	EA Team Working	1 hour					
HIPPO 102	EA Reporting	1 hour		