

What is SysML®?



The Object Management Group® (OMG®) Systems Modeling Language™ (SysML®) was developed as a graphical dialect of the Unified Modeling Language™ (UML®) used to analyze, design, specify and verify complex systems to support the specific needs of the systems engineering community.

SysML enables a Model-Based Systems Engineering (MBSE) approach to improve productivity and quality while reducing risk during systems development and is used in a broad range of industries including aerospace and defense, automotive and biomedical. System models expressed in SysML provide a cross-disciplinary representation to enable integration with other engineering models and tools ([See XML Metadata Interchange](#)).

SysML Benefits



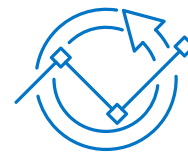
Early issue identification reducing downstream costs



Enables automated requirements **impact analysis**



Improved requirements, quality and precision



Increased reusability and **design evolution**



Unambiguous understanding of the system

SysML Value Efficiency

Arguably the most efficient way to familiarize yourself with SysML is by getting certified. Our [SysML Certifications](#) objectively validate a candidate's knowledge and skills in SysML as applied to MBSE. The examinations were designed by [SysML & MBSE experts](#), many of whom co-authored the SysML specification.



Terry Fitzgerald
Functional Architect



The SysML certification program was a structured way to learn SysML at progressive levels of breadth and depth as well as a way to differentiate myself from others in the labor market.



Use code OMGEXAMS10 to schedule your SysML exam(s) at a 10% discount.

Interested in contributing to the next SysML specification version?
Contact us at sysml-rtf@omg.org.