

SYS 101: Introduction to Systems Engineering

This course is an introduction to systems engineering (SE) and the principles of systems definition, development, and maintenance. Topics include a basic understanding of systems; SE objectives, terminology, and working methodology; the relationships between SE and other disciplines; the basic elements of the SE life cycle; the use of modelling; and the influence of programmatic considerations. Emphasis is on developing an understanding of the Model-Based Systems Engineering (MBSE) methodology. Teamwork and cooperative effort concepts are highlighted.

Credits: 3

Lab Hours: 0

Lecture Hours: 3

Program: [Systems Engineering Technology](#)

Semester Offered:

Fall