

# SCIENCE & ENGINEERING (SE)

---

## SE 1700 - Engineering Fundamentals

**Credit(s): 2 Credits**

The course introduces engineering problem solving process. Algorithmic and visual skills and computer tools are introduced. It also exposes students to the engineering career paths.

**Attributes:** UUC:Ignite Seminar

## SE 1701 - Engineering Fundamentals Studio

**Credit(s): 1 Credit**

Companion course to Engineering Fundamentals.

## SE 1702 - Engineering Studio: Self and Community

**Credit(s): 1 Credit**

The course combines the key elements of ESCI 1701 (Engineering Fundamentals Studio) with the requirements of Cura Personalis 1. Students will learn the concepts and tools used for computer modeling of mechanical systems. They will apply those concepts to the exploration of self and the SLU community. This course complements the content of ESCI 1700 but can be taken independently.

**Attributes:** UUC:Self in Community

## SE 1709 - Introduction to Engineering

**Credit(s): 2 Credits**

The course introduces the engineering profession and problem solving process. Algorithmic and visual skills and computer tools are introduced.

## SE 1930 - Special Topics

**Credit(s): 1-4 Credits** (Repeatable for credit)

Special Topics in Science and Engineering.

## SE 2930 - Special Topics

**Credit(s): 1-4 Credits** (Repeatable for credit)

Special Topics in Science and Engineering.

## SE 3930 - Special Topics

**Credit(s): 1-4 Credits** (Repeatable for credit)

Special Topics in Science and Engineering.

## SE 4930 - Special Topics

**Credit(s): 1-4 Credits** (Repeatable for credit)

Special Topics in Science and Engineering.

## SE 4970 - Independent Research

**Credit(s): 1-3 Credits** (Repeatable for credit)

Individual or small group investigation of a topic.

## SE 5930 - Special Topics

**Credit(s): 1-4 Credits** (Repeatable for credit)

Special Topics in Science and Engineering.