# ENGINEERING DESIGN WITH DIGITAL TOOLS, CERTIFICATE

Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

## Program Description

The Engineering Design with Digital Tools (EDDiT) certificate is a 13-credit certificate that enables students to specialize in digital design tools. This provides students with the opportunity to more fully develop their CAD and design skills, which are highly sought after by industry. Students are required to take at least one section of Engineering Design and Analysis with CAD (EDSGN 468), with each course section offering a different software package, such as SolidWorks, AutoCAD, or Catia. The certificate culminates in the preparation of a portfolio, through which students document and display their design work in a professional manner. Students must earn a C grade or better in each prescribed and additional course or independent study or pursue a replacement option.

## What is Engineering Design?

Engineering Design is based on the concept of integrating ideas, disciplines, people, and resources within engineering and beyond that are necessary to achieve optimal design solutions for products, systems, processes, and services.

### You Might Like This Program If...

- You are interested in learning about new design methods.
- You would like to learn more about interdisciplinary applications of design such as sustainability, innovative design, design for human variability, global design, and affective design.
- You are interested in interdisciplinary integrated design involving two or more distinct fields of knowledge.
- You would like to develop a portfolio of your design projects.