

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 Requirements

To earn an undergraduate certificate in Engineering Design with Digital Tools, a minimum of 13 credits is required.

Code	Title	Credits
Required Courses		
EDSGN 100	Cornerstone Engineering Design	3
EDSGN 468	Engineering Design and Analysis with CAD	3
EDSGN 485	Engineering Design Portfolio	1
Select 6 credits from the following or from an approved list maintained by the program:		6
EDSGN 110	Spatial Analysis in Engineering Design	
EDSGN 210	Tolerancing and Spatial Models	
EDSGN 462	Introduction to Design for Additive Manufacturing	
EDSGN 468	Engineering Design and Analysis with CAD	
EMCH 461	Finite Elements in Engineering	

Non-Course Requirements:

- Students must take one but no more than two courses designated EDSGN 468. If taking two courses designated EDSGN 468, each must cover a different software package.
- No fewer than 7 credits must be completed at the 400-level or above. A list of approved courses will be maintained by the certificate director.