

# ENGINEERING DESIGN, CERTIFICATE

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

## Certificate Learning Objectives

- Students will demonstrate an application of an iterative design process to conceptualize and prototype an innovative solution to an engineering problem.
- Students will critically define a problem and evaluate appropriateness of proposed solutions, considering users of an intended design and other stakeholders affected by a designed intervention.
- Students will document the progressive stages of their work, not only within various single projects, but also indicating increased sophistication and responsibility in their roles from one project to the next, in a portfolio suitable for presentation to a professional engineering practice as evidence of experience and competencies.