

SPATIAL ANALYSIS AND ENGINEERING DESIGN PRINCIPLES, CERTIFICATE

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

Program Description

This certificate provides innovative instruction about the application of new design methods and processes in a variety of engineering disciplines. The certificate emphasizes how to use CAD software to create concise drawings to develop an effective design system to provide solutions for specific products, systems, components, or services. Contact Diana Ricotta at Penn State DuBois, 814-375-4718 or dricotta@psu.edu.

What is Spatial Analysis and Engineering Design Principles?

Spatial analysis and design combines technical and design skills to solve engineering problems.

You Might Like This Program If...

You are good with technology and CAD, and enjoy investigating engineering designed parts and components.

Program Requirements

To earn an undergraduate certificate in Spatial Analysis and Engineering Design Principles, a minimum of 7 credits is required.

Code	Title	Credits
Prescribed Courses		
EDSGN 100	Introduction to Engineering Design	3
EDSGN 110	Spatial Analysis in Engineering Design	2
EDSGN 210	Tolerancing and Spatial Models	2

No Prerequisites Required.

Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and-out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy>)

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<https://dubois.psu.edu/Credit-Certificates>

<https://dubois.psu.edu/supplement-your-engineering-degree>

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