

# Graduate Certificate in Structural Design

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## Graduate Certificate Overview

The objective of the Structural Design certificate program is to allow students to focus on the design of structural components and systems. This provides students with the opportunity to both broaden and deepen knowledge in this area of structural engineering by learning the most up-to-code-based theory and design practices. The Structural Design Graduate Certificate has a basis in steel and concrete building design, with optional courses applying to various materials, structures, and applications. It offers an opportunity for industrial practitioners to enhance their structural design skills without necessarily having to apply for and complete a Master's degree. The program consists of four courses (12 credit hours).

## Admissions Requirements

A bachelor's degree in engineering with a GPA of 3.0 or better is required for admission to this graduate certificate program.

Graduate courses taken for this certificate may be eligible to transfer for credit towards a graduate degree program.

Applicants must meet all admissions requirements for certificate-seeking graduate admission as defined by the University's policy on Admission to Graduate Study (<http://policy.ku.edu/graduate-studies/admission-to-graduate-study/>).

Four (4) courses are required to complete the certificate, two of which are mandatory. Students select the remaining two courses from the list of additional accepted courses.

Mandatory Courses:

1. CE 764 Advanced Design of Reinforced Concrete Structures
2. CE 765 Advanced Steel Design- Building Structures

Additional Courses Satisfying Certificate Requirements:

1. CE 763 Design of Prestressed Concrete Structures
2. CE 766 Advanced Steel Design- Bridge Structures
3. CE 768 Design of Timber Structures
4. CE 769 Design of Masonry Structures
5. CE 865 Structural Design for Dynamic Loads

The completion requirements of the graduate certificate in Structural Design include: (a) the minimum grade for any course to be applied toward the certificate is a grade of B; and (b) no credits may be transferred from another institution for this certificate.