Segal Design Certificate
McCormick School of Engineering

Purpose
The Segal Design Certificate program enables undergraduate students to develop design knowledge and skills that will give them a competitive edge in their careers. Certificate students apply design thinking in team-based, cross-disciplinary settings, and identify and solve real-world problems for actual clients.

Pre-requisite (one unit)
Build a foundation in design thinking processes
DSGN 106-1 - Design Thinking and Communication
or DSGN 208 - Design Thinking and Doing

Required courses (three units)
Create a portfolio to reflect on and share your design experiences
DSGN 370 - Portfolio development & presentation course
Apply your design skills to more complex challenges in a two-quarter sequence
DSGN 380-1,2 - Industrial Design Projects I & II
or DSGN 384-1,2 - Interdisciplinary Design Projects I & II

Elective courses (three units)
Select three units of approved electives to develop skills along a specific theme or across a broader range of topics

Design portfolio (presentation)
Present your design portfolio to the Segal design community at a Segal Design Expo

Demonstrate proficiency in the following areas:
- Design process – effective planning and successful completion of a design project
- Design analysis – use of analytical methods for decision-making and/or parameter optimization
- Prototyping and implementation – iterative prototyping to explore and evaluate design options
- Design software tools – application of relevant tools
- Effective communication – effective presentation of technical or complex concepts

Notes on Course Selection
Up to two of the courses may also be used to fulfill the requirements in the “Major Program” of your primary BS or BA degree as described in the undergraduate catalog

Courses must be taken for a grade (not P/N)

Grades must be “C” or higher for the course to be applied to the Certificate

Electives must be from the approved elective list, or approved by petition (no more than one unit can be by petition)

At least one elective must be a DSGN course

At least two electives must be 300 level

Graduate courses cannot be used toward the Certificate

For more information, contact
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