ENGINEERING DESIGN

Requirements
Electives

Engineering Design students have 20 credit-hours of Humanities, Social Sciences, and the Arts electives.

Engineering Design students have 8 credit-hours of free electives.

Engineering Design students have 28 credit-hours for technical electives. Students should use these credits to gain in-depth knowledge of a specific technical area. With careful planning, students may use these technical electives to obtain a minor or concentration in an area of interest.

Technical electives must consist of:

1. At least 12 credit hours of Engineering Design electives. These courses begin with an ENGD prefix and must be 300 level or higher.
2. 16 credit hours of computer science, engineering, or engineering management with an EMGT E prefix. At least eight credit hours must be 300 level or higher.
3. Not include any named required courses

Practicum Courses

All Engineering Design students must take three practicum courses. Enrollment in a practicum course requires professional employment such as an internship or co-op. Professional employment must average a minimum of 25 hours per week of work and have a duration of at least eight weeks. Professional employment must include some aspects of the design process such as commercialization, conceptual design, manufacturing, modeling, process improvement, product design, product improvement, quality methods, testing, or design validation. Each practicum course requires students to reflect on connections between their ongoing employment experience and studio experience, a companion course, or the program's student learning outcomes. See the practicum course descriptions (ENGD 321 , ENGD 322 , and ENGD 323) for more details.