Civil Engineering, B.S.E.

Requirements

The Bachelor of Science in Engineering with a major in civil engineering requires a minimum of 132 s.h. of credit. Students must have a g.p.a. of at least 2.00 on all college work used to satisfy degree requirements as well as on all work undertaken at the University of Iowa.

All engineering students complete the B.S.E. core requirements, which include RHET:1030 Rhetoric; ENGR:1100 Introduction to Engineering Problem Solving and ENGR:1300 Introduction to Engineering Computing, and courses in chemistry, engineering mathematics and fundamentals, and physics.

They also complete the curriculum designed for their major program, which covers four major stems: mathematics and basic sciences, engineering topics, a focus area, and the General Education Component. For information about the curriculum stems, see the Bachelor of Science in Engineering, B.S.E. in the Catalog.

Students must select focus area courses according to guidelines established by the Department of Civil and Environmental Engineering. See “Focus Areas” below.

Focus Areas

Civil engineering students may choose from several standard focus areas developed by the department or create an individual focus area tailored to their interests.

Standard focus areas are offered in the broad field of civil and environmental engineering practice and in the four technical areas: environmental engineering; hydraulics and water resources; structures, mechanics, and materials; and transportation engineering. Other areas of focus include pre-architecture and urban and regional planning. For a list of standard focus area options and guidelines for tailored focus areas in civil engineering, see Elective Focus Areas on the Department of Civil and Environmental Engineering website.