CIVIL ENGINEERING AND CONSTRUCTION

Faculty: Professors Elhouar, Hossain (Acting Chair), Khodair, Lee, Schattler (Associate Dean); Associate Professors Ashraf, Soltani, Spelman; Associate Professor in Residence Willis, Lecturer Flinn; Emeritus Professors Adrian, Al-Khafaji, Maillacheruvu, Rebholz.

The Department of Civil Engineering and Construction offers undergraduate programs in both Civil Engineering (BSCE) and Construction (BSC), a Construction Minor, and accelerated 4+1 programs leading to a Master of Science in Civil Engineering (BSCE/MSCE and BSC/MSCE).

The Department

Facilities. The curriculum is supported by 11 cutting-edge laboratory and computer facilities equipped with modern hardware and software. Laboratories include fluid mechanics/hydraulics, environmental, concrete, asphalt pavement, construction, structural, geotechnical, two design projects, transportation, and the college machine shop. In addition, the college has three computer classrooms with a wide range of up-to-date software available through the university Virtual Desktop Infrastructure (VDI) platform.

Scholarships. Currently nearly 30 annual and endowed scholarships are available to students through the department. The total endowed scholarship from industry of about 2 million dollars is dedicated specifically to CEC students. This reflects the faith and trust that industry has in the quality of our programs.

Placement. For the past 20 years, almost all of our civil engineering majors secure full-time jobs or continue to pursue graduate degrees after graduation. Starting salaries for CEC graduates are very competitive nationwide. Employers recognize that our students have the knowledge, experience, and intellectual curiosity to succeed in their profession. High placement and scholarship opportunities for our students are a direct benefit from the strong partnerships that CEC has developed with our professional partners in industry, government, and academe.

Leadership. A focus of the department is the development of leadership skills in our students. Students are encouraged to participate in student professional organizations and academic honorary organizations by being officers or committee chairs. Leadership skills are also developed through service and outreach programs that teach our students the value of giving back to the community. Our students have been involved in many different community outreach activities through their involvement in building school playground projects, Illinois River Sweep, Habitat for Humanity, and others. The CEC department offers scholarships for leadership to applicants whose academic and leadership skills meet or exceed the requirements: (https://www.bradley.edu/admissions/financial-aid/scholarships-grants).

Faculty Qualifications. CEC faculty have received numerous awards for teaching excellence and scholarship, as well as for their professional contributions. They have conducted research for national, state, and local sponsors, benefitting society and our students.

Internationalization. The CEC department believes that exposure to different world cultures can expand the professional capabilities, stimulate intellectual growth, and broaden the personal perspective of all participants. The CEC department and the university are committed to giving all of our students the opportunity to study overseas. Arrangements have been made with universities around the world to send our students overseas to take courses either during an interim semester, or the Fall/Spring semesters. Students with financial need have received financial support. As a part of the Study Abroad program, hundreds of CEC students have studied overseas in various countries over the years.

Graduate Program. In addition to the undergraduate program described above, the Department offers a graduate program leading to the Master of Science in Civil Engineering (MSCE) degree. Our undergraduate students have the opportunity to pursue an accelerated 4+1 program leading to a Master of Science in Civil Engineering. The MSCE degree also provides students the ability to emphasize in Construction Management. Details of this program can be found in the Graduate Catalog and below for the 4+1 (BSCE/MSCE) program. The graduate program allows talented undergraduate students to engage in scholarly research activities and to enroll in advanced courses to meet their special interests and needs.

- Civil Engineering (BSCE/MSCE 4+1 Program)
- Civil Engineering (BSCE)
- Construction (BSC)
- Construction (Minor)
- Construction/Civil Engineering (BSC/MSCE 4+1 Program)