

AGENDA

ACADEMIC AFFAIRS AND ENROLLMENT MANAGEMENT COMMITTEE

UNIVERSITY OF SOUTHERN INDIANA BOARD OF TRUSTEES

March 7, 2019

1. APPROVAL OF A NEW DEGREE PROGRAM: BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Approval of a recommendation to the Board of Trustees to approve the degree program in Attachment A is recommended.

The Pott College of Science, Engineering, and Education proposes to offer a Bachelor of Science in Civil Engineering degree. A complete abstract describing the program is in Attachment A. The proposed implementation date is fall 2019.

2. ENROLLMENT UPDATE

Andrew Wright, vice president for Enrollment Management, will provide an update on Enrollment Management.

3. PRESENTATION ON THE ACADEMIC LIBRARY

In a presentation titled "The Modern Academic Library," Marna Hostetler, Director of Library Services, will discuss the evolution of libraries over the past 15-20 years, the new David L. Rice Library initiatives, and existing services and outreach activities offered to help USI students and faculty members succeed.

ABSTRACT
Bachelor of Science in Civil Engineering
To be offered on-campus only
By the University of Southern Indiana, Evansville, Indiana

Consistency with Institution's Mission:

USI's vision statement is: *shaping the future through learning and innovation*. The proposed Bachelor of Science in Civil Engineering (BSCE) program directly supports USI's mission by enabling students to engage in learning, to advance in education and knowledge, and to enhance civic and cultural awareness. Through the Bachelor of Science in Civil Engineering program, students will develop the knowledge, skills, attitudes, and critical thinking necessary to become successful civil engineers. Students will experience an applied perspective in the classroom with a focus on innovative real-world design problems. The program will respond to southern Indiana's need for a BSCE degree program.

Relation to Institution's Strategic and/or Academic Plan:

The proposed BSCE degree program fits USI's strategic plan by meeting the needs and goals of the Evansville metropolitan area as well as the region's many employment opportunities in civil engineering. The proposed degree will: 1) offer students enhanced experiential learning through hands-on experiences within each project and laboratory class, opportunities to participate in co-operative education and internships, and an active student organization; 2) help USI further its goal to improve recruitment and retention because it will be a discipline-specific engineering degree that is better understood and more readily recognized than the general engineering program degree; and 3) promote participation in engineering programs by members of underserved and underrepresented populations. The Department of Engineering has recently launched a generous scholarship program, specifically targeted at increasing diversity among engineering students. The BSCE program will serve these additional constituents with greater alternatives in degree.

Curriculum:

Completion of the Bachelor of Science in Civil Engineering will require 127 credit hours of class material. These hours will include University's Core 39 (39 credit hours), an additional 39 credit hours from introductory engineering, math, and science courses, and 49 credit hours from the civil engineering core civil engineering electives, and engineering electives.

Employment Possibilities:

The Bureau of Labor Statistics projects a faster than average (11 percent) employment growth rate for civil engineers (2016-2026). Long-term projections show Indiana having a 14 percent increase in new civil engineering jobs over the next ten years. Our Bachelor of Science in Engineering graduates with a civil engineering emphasis have had success securing jobs from regional employers. The recent demand for our civil emphasis students has exceeded the supply. We expect that creation of the new BSCE program will better prepare us to meet the current and future demand for civil engineers in the region.

According to the Indiana Department of Workforce Development (DWD), employment for civil engineers will increase by 10.6 percent nationally, and increase by 14 percent in Indiana (DWD 2018). The proposed BSCE program will serve the community, region, and state as well, by fulfilling an increased demand for civil engineers. In general, the majority of the graduates from USI engineering programs remain in the area to serve the surrounding community throughout their careers.