

M2 (indirect): The AEC 496 Internship course will gather data from supervisor evaluations of student intern's performance. Question #1 of the Student Intern Evaluation addresses the intern's ability to apply written and oral communication in both technical and non-technical environments.

Source of Evidence: Employer survey, incl. perceptions of the program

Target: Employers are "satisfied" or "very satisfied" with 80% of student interns' performance.

Fall 2018 Internship: (40/44, n=44) 90% of students achieved a score of 70 or higher. Spring 2019 Internship: (20/22, n=22) 91% of students achieved a score of 70 or higher. Summer 2019 Internship: (42/43, n=43) 98% of students achieved a score of 70 or higher.

Perform economic analyses and cost estimates related to design, construction, and maintenance of building systems (ETAC-ABET Program Criteria for AET: Student Learning Outcome 1)

M1 (direct): The Estimating II (AEC 365) course is the second of two estimating courses required for the Architectural Engineering Technology degree. Students create several estimates in this course with each one increasing in scope and complexity. Assignment three requires students to assemble a cost estimate and report.

Source of Evidence: Project, either individual or group

Target: 80% of students will achieve an overall score of 70 or greater.

Estimating II: (5/9, n=9) 56% of students achieved a score of 70 or higher.

For full information, see the **Details of Action Plans** section of this report.

Established in Cycle: 2016-2017
The Estima

Demonstrate the ability to utilize software that is appropriate to produce A/E design and construction documents (ETAC-ABET Program Criteria for AET: Outcome B & E)

replace the course with a portfolio development or Photoshop course from Interior Design or Graphic Design. The process of closing the loop for the ACT program has been newly established by the Director, Dr. Erich Connell, and the program Coordinator, Jessica Lee. Dr. Connell has been the Director of the School of Construction for 3 years, and Ms. Lee began her role as Coordinator during the fall 2017 semester. It is important that all courses are assessed using the Course Evaluation process outlined below; however, special attention will be dedicated to the Estimating I and Estimating II courses. A plan for remediation is part of the Course Evaluation process identified below; the remediation process for this course will be identified at the end of the fall 2018 semester because this course is currently being offered. Course Evaluation The Course Evaluation process identified below will begin this semester for the ACT program. In this proposed Course Evaluation process, courses are evaluated at the end of each fall and spring semester. The steps in the process of course evaluation and closing the loop are identified below: Courses are taught according to a cohort model; courses are only delivered during the fall OR spring. At the end of the fall or spring semester, a Course Assessment form is completed by the instructor of record for each course delivered. The Course Assessment form contains the following information: course name and identifiers, ABET criterion, assessment methodology, acceptable target and findings, recommendations / reflections, action plan, status of previous action plan. A faculty meeting is held at the end of each semester to review the results for each course. The measurements are reviewed at this meeting to determine if course changes or actions for remediation are needed. This meeting also serves the purpose of ensuring that previous action plans have been implemented and achieved based on the "status of previous action plan" from the previous year's Course Assessment form. The Director and Program Coordinator will hold a special meeting if proper adjustments have not been made to a course or assessment tool based on the instructor's self-assessment. Adjustments are made before the course is delivered again. To preemptively address this issue before the 2018-19 WEAVE cycle, all courses related to Economic Analysis and Cost Estimates have been re-evaluated during a series of dedicated faculty meetings. The findings for the past two years indicated a need to reassess the course objectives, textbook, software, and instructional methods used for Estimating I and Estimating II. The Estimating II course has been revised accordingly.

2016-2017
In-Progress

High

Create an Estimate |

Economic Analysis and Cost Estimates

This semester, a School of Construction + Design Tutoring Center has been implemented to assist with Estimating II assignments. I also made the recommendation to the Director to

The Architectural Engineering Technology program at Southern Miss is a four-year pre-professional program grounded in the study of architecture and design. The mission of ARCH@USM is to prepare students for successful careers in the design and construction industry and to prepare students for advanced study in professional Master of Architecture programs. ARCH@USM exposes students to innovative ideas and practices found in the modern architectural industry with a focus on creative, business, technical, and communication skills necessary for a successful career in architecture and fields related to the built environment. ARCH@USM provides graduates with an excellent platform for future graduate studies or a career in architecture and

