Mission / Purpose

The Department of Civil, Construction, and Environmental Engineering is dedicated to advancing the profession through its innovative, student-centered education and research programs. The faculty and staff are committed to preparing graduates for entry into the profession, educating future leaders of the profession, and conducting and disseminating meaningful basic and applied research for the betterment of the state, nation, and global communities.

Student Learning Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Technical Specialization
(Specialization) Synthesize advanced technical knowledge in a traditional or emerging area of specialization.

Related Measures

M 1: Comprehensive Exam
Performance on comprehensive exam
Source of Evidence: Comprehensive/end-of-program subject matter exam

Target:
All students pass the comprehensive exam

Finding (2012-2013) - Target: Met
All students passed the MS comprehensive exam, however nearly one-quarter of the students had to complete additional work to pass the exam.

M 3: Committee Evaluations
Committee evaluation of student achievements using a 5-point Likert Scale
Source of Evidence: Academic direct measure of learning - other

Target:
An average evaluation of 3 or better on a 5-point Likert scale

Finding (2012-2013) - Target: Met
The average evaluation score was 4.2, which exceeds the target.

SLO 2: Tools and Problem Solving
(Problem Solving) Identify, formulate, and solve complex relevant engineering problems by selecting and applying appropriate tools and techniques

Related Measures

M 1: Comprehensive Exam
Performance on comprehensive exam
Source of Evidence: Comprehensive/end-of-program subject matter exam

Target:
All students pass the comprehensive exam

Finding (2012-2013) - Target: Met
All students passed the MS comprehensive exam, however nearly one-quarter of the students had to complete additional work to pass the exam.

M 2: Tools - CE 573
Satisfactory performance on standardized content in CE 573
Source of Evidence: Performance (recital, exhibit, science project)

Target:
Instructor evaluation of student performance based on grades and application of tools with applications within the disciplines. Average student grade of 3.3 or better.

Finding (2012-2013) - Target: Met
Instructor evaluation of student performance based on grades and application of tools with applications within the disciplines. Average student grade of 3.3 or better.

M 3: Committee Evaluations
Committee evaluation of student achievements using a 5-point Likert Scale
Source of Evidence: Academic direct measure of learning - other

Target:
An average evaluation of 3 or better on a 5-point Likert scale

Finding (2012-2013) - Target: Met
The average evaluation score was 4.1, which exceeds the target.

Other Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans
**OthOtcm 3: Program Value**

The program will be highly valued by its program graduates and other key constituencies it serves.

**Related Measures**

**M 4: Engineering Career Services**

Increase companies seeking MS graduates through the Career Center.

Source of Evidence: Academic direct measure of learning - other

**Target:**

Increase companies seeking MS graduates through the Career Center.

**Finding (2012-2013) - Target: Met**

A 5 percent increase in companies seeking MS graduates was observed for 2012-2013
Mission / Purpose

The Department of Civil, Construction, and Environmental Engineering is dedicated to advancing the profession through its innovative, student-centered education and research programs. The faculty and staff are committed to preparing graduates for entry into the profession, educating future leaders of the profession, and conducting and disseminating meaningful basic and applied research for the betterment of the state, nation, and global communities.

Student Learning Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Technical Specialization
(Specialization) Synthesize advanced technical knowledge in a traditional or emerging area of specialization.

Related Measures

M 1: Comprehensive Exam
Performance on comprehensive exam
Source of Evidence: Comprehensive/end-of-program subject matter exam
Target:
All students pass the comprehensive exam

M 3: Committee Evaluations
Committee evaluation of student achievements using a 5-point Likert Scale
Source of Evidence: Academic direct measure of learning - other
Target:
An average evaluation of 3 or better on a 5-point Likert scale

SLO 2: Tools and Problem Solving
(Problem Solving) Identify, formulate, and solve complex relevant engineering problems by selecting and applying appropriate tools and techniques

Related Measures

M 1: Comprehensive Exam
Performance on comprehensive exam
Source of Evidence: Comprehensive/end-of-program subject matter exam
Target:
All students pass the comprehensive exam

M 2: Tools - CE 573
Satisfactory performance on standardized content in CE 573
Source of Evidence: Performance (recital, exhibit, science project)
Target:
Instructor evaluation of student performance based on grades and application of tools with applications within the disciplines. Average student grade of 3.3 or better.

M 3: Committee Evaluations
Committee evaluation of student achievements using a 5-point Likert Scale
Source of Evidence: Academic direct measure of learning - other
Target:
An average evaluation of 3 or better on a 5-point Likert scale

Other Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

OthOtcm 3: Program Value
The program will be highly valued by its program graduates and other key constituencies it serves.

Related Measures

M 4: Engineering Career Services
Increase companies seeking MS graduates through the Career Center.
Source of Evidence: Academic direct measure of learning - other
Target:
Increase companies seeking MS graduates through the Career Center.