

Program Plans: Outcomes and Assessment Methods



Program (CEAT) - CHE - Chemical Engineering (BSCH) - 041

Program Mission Statement: The mission of the School of Chemical Engineering at Oklahoma State University is to develop human resources, professional knowledge, and the infrastructure through which chemical engineering can contribute to human welfare. We expect to maintain national recognition for our contributions.

Program Information

2018 - 2019

Program Information

Assessment Coordinator's Name: Sundararajan V. Madihally

Assessment Coordinator's E-mail Address: sundar.madihally@okstate.edu

Number of Students Enrolled in the Program: 280

Total Number of Students Graduated: 79

Number of Student Graduates from Stillwater Campus: 79

Were university assessment funds used by the department/program for assessment activities?: No

Number of Student Graduates from Tulsa Campus: 0

Annual Executive Summaries

2018 - 2019

Program Assessment Coordinator: Sundararajan V Madihally

Plan Review and Approval

Date Current Plan Was Reviewed and Approved: 08/15/2019

Date of Future Plan Review and Approval: 07/31/2020

Summary of Assessment Findings

Describe overall assessment findings and faculty members' interpretation of the assessment results: Our

Dissemination of Findings

Program Improvements Based on Assessment

Based on data collected this year, what changes are being considered or planned for the program?: ???

Program Improvements Made in the Last Year: Revised Assessment Plan

Goals for the Coming Year: Keep up the good work

Is this Summary Report Complete?: Yes

List all individuals associated with this report preparation: ???

Outcome: Application

an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

Outcome Status: Active

Planned Assessment Year: 2018 - 2019, 2020 - 2021, 2021 - 2022

Start Date: 08/22/2018

Outcome Type: Skills

Assessment Methods

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Other - University Testing sends out the survey and we collect data (Active)

Other Assessment Type: Alumni Survey

Survey - A survey was administered to all graduating seniors. Also, school head met with students and discussed their views on the program (Active)

*** Learning Outcome Goal/Benchmark:** 4/5

Timeline for Assessment: Yearly

Other Assessment Type: Biannual Assessment from UAT

Outcome: Effective Communication

an ability to communicate effectively with a range of audiences

Outcome Status: Active

Planned Assessment Year: 2018 - 2019

Start Date: 08/22/2018

Outcome Type: Skills

Assessment Methods

Survey - A survey was administered to all graduating seniors. Also, school head met with students and discussed their views on the program (Active)

*** Learning Outcome Goal/Benchmark:** 4/5

Timeline for Assessment: Yearly

Other Assessment Type: Biannual Survey From UAT

Other - University Testing sends out the survey and we collect data_copy (Active)

Other Assessment Type: Alumni Survey

Outcome: Professionalism

an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

Outcome Status: Active

Planned Assessment Year: 2018 - 2019

Start Date: 08/22/2018

Outcome Type: Skills

Assessment Methods

Survey - A survey was administered to all graduating seniors. Also, school head met with students and discussed their views on the program_copy (Active)

*** Learning Outcome Goal/Benchmark:** 4/5

Timeline for Assessment: Yearly

Other Assessment Type: Biannual Assessment from UAT

Other - University Testing sends out the survey and we collect data_copy (Active)

Other Assessment Type: Alumni Survey

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Outcome: Leadership and Collaboration

an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

Outcome Status: Active

Planned Assessment Year: 2018 - 2019

Start Date: 08/22/2018

Outcome Type: Skills

Assessment Methods

Survey - A survey was administered to all graduating seniors. Also, school head met with students and discussed their views on the program_copy (Active)

*** Learning Outcome Goal/Benchmark:** 4/5

Timeline for Assessment: Yearly

Other Assessment Type: Biannual Assessment from UAT

Other - University Testing sends out the survey and we collect data_copy (Active)

Other Assessment Type: Alumni Survey

Outcome: Experimentation and Analysis

an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

Outcome Status: Active

Planned Assessment Year: 2018 - 2019

Start Date: 08/22/2018

Outcome Type: Skills

Assessment Methods

Survey - A survey was administered to all graduating seniors. Also, school head met with students and discussed their views on the program_copy (Active)

*** Learning Outcome Goal/Benchmark:** 4/5

Timeline for Assessment: Yearly

Other Assessment Type: Biannual Assessment from UAT

Other - University Testing sends out the survey and we collect data_copy (Active)

Other Assessment Type: Alumni Survey

Outcome: Knowledge

an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

Outcome Status: Active

Planned Assessment Year: 2018 - 2019

Start Date: 08/22/2018

Outcome Type: Knowledge

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Assessment Methods

Survey - A survey was administered to all graduating seniors. Also, school head met with students and discussed their views on the program_copy (Active)

*** Learning Outcome Goal/Benchmark:** 4/5

Timeline for Assessment: Yearly

Other Assessment Type: Biannual Assessment from UAT

Other - University Testing sends out the survey and we collect data_copy (Active)

Other Assessment Type: Alumni Survey

Outcome: Program criteria

American Institute of Chemical Engineers, under which Chemical Engineering program is approved has a program requirement. This learning outcome is stated as "Engineering application of basic sciences to the design, analysis, and control of processes, including the hazards associated with these processes." This is listed as outcome 8 in the graphs.

Outcome Status: Active

Planned Assessment Year: 2018 - 2019

Start Date: 08/13/2018

Outcome Type: Knowledge

Assessment Methods

Survey - A survey was administered to all graduating seniors. Also, school head met with students and discussed their views on the program_copy (Active)

*** Learning Outcome Goal/Benchmark:** 4/5

Timeline for Assessment: Yearly

Other Assessment Type: Biannual Assessment from UAT