# 2016-2017 Assessment Cycle (College of Engineering) ENGR\_Electrical and Computer Engineering BS

## **Mission**

Welcome to the "Mission" tab. First, review the University's Mission, Values, and Vision statements provided below. Then, in the section labeled "Department / Program Mission", type in the current mission for your department, program, or unit. Click "Save" when you are finished.

## **University Mission**

The University of Louisiana at Lafayette offers an exceptional education informed by diverse worldviews grounded in tradition, heritage, and culture. We develop leaders and innovators who advance knowledge, cultivate aesthetic sensibility, and improve the human condition.

## **University Values**

We strive to create a community of leaders and innovators in an environment that fosters a desire to advance and disseminate knowledge. We support the mission of the university by actualizing our core values of equity, integrity, intellectual curiosity, creativity, tradition, transparency, respect, collaboration, pluralism, and sustainability.

## **University Vision**

We strive to be included in the top 25% of our peer institutions by 2020, improving our national and international status and recognition.

## **Program Mission**

## **Program Mission**

If applicable, provide the program's mission in the space provided. If none exists, write "None Available in 2016-2017".

## Goals (University/Program tied to Curriculum)

## Standards/Outcomes

Identifier	Description
ABET-	CRITERION: Program Outcomes and Assessment Although institutions may use different terminology, for purposes of Criterion 3, program
EAC.1.3	outcomes are intended to be statements that describe what students are expected to know or be able to do by the time of graduation from the

	program.
ABET- EAC.1.3.1	> an ability to apply knowledge of mathematics, science, and engineering
ABET- EAC.1.3.10	> a knowledge of contemporary issues
ABET- EAC.1.3.11	> an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
ABET- EAC.1.3.12	Each program must have an assessment process with documented results. Evidence must be given that the results are applied to the further development and improvement of the program. The assessment process must demonstrate that the outcomes of the program, including those listed above, are being measured.
ABET- EAC.1.3.2	> an ability to design and conduct experiments, as well as to analyze and interpret data
ABET- EAC.1.3.3	> an ability to design a system, component, or process to meet desired needs
ABET- EAC.1.3.4	> an ability to function on multi-disciplinary teams
ABET- EAC.1.3.5	> an ability to identify, formulate, and solve engineering problems
ABET- EAC.1.3.6	> an understanding of professional and ethical responsibility
ABET- EAC.1.3.7	> an ability to communicate effectively
ABET- EAC.1.3.8	> the broad education necessary to understand the impact of engineering solutions in a global and societal context
ABET- EAC.1.3.9	> a recognition of the need for, and an ability to engage in life-long learning

# **Curriculum Map**

## Assessment Findings for the Assessment Measure level for ECEE Assessment

Legend	A - Assessed
Course/Event	Student Course Survey

ABET-EAC.1.3.1	> an ability to apply knowledge of mathematics, science, and engineer	ing		
Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			
	Assessment Measure Indirect - Survey -	Assessment Measure       Criterion         Indirect - Survey - students       Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met	Measure       Indirect -         Survey -       Has the criterion Students are surveyed in their major courses         students       regarding their sense of attainment of goals. Courses in which         students       students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met	Assessment MeasureCriterionSummary the AssessmentsIndirect - Survey - studentsHas the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been metSummary Attachments of the Assessments

Legend	A - Assessed	A - Assessed						
Course/Event	Student Course Student	Student Course Survey						
Standard/Outcome	ABET-EAC.1.3.2	BET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data						
Assessment Measures								
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives			
	Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?						

Legend	A - Assessed	A - Assessed						
Course/Event	Student Course Student	Student Course Survey						
Standard/Outcome	ABET-EAC.1.3.3	ET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs						
Assessment Measures								
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives			
	Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?						

Legend	A - Assessed					
Course/Event	Student Course S	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.4	> an ability to function on multi-disciplinary teams				
Assessment Measures						
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives	
	Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met				

	yet?		

Legend	A - Assessed	Assessed						
Course/Event	Student Course S	udent Course Survey						
Standard/Outcome	ABET-EAC.1.3.5	T-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems						
Assessment Measures								
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives			
	Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?						
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Legend	A - Assessed	- Assessed					
Course/Event	Student Course S	tudent Course Survey					
Standard/Outcome	ABET-EAC.1.3.6	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility					
Assessment Measures							
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		

Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?		

Legend	A - Assessed	A - Assessed						
Course/Event	Student Course Student	Student Course Survey						
Standard/Outcome	ABET-EAC.1.3.7	> an ability to communicate effectively						
Assessment Measures								
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives			
	Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?						

Legend	A - Assessed
Course/Event	Student Course Survey
Standard/Outcome	ABET-EAC.1.3.8 > the broad education necessary to understand the impact of engineering solutions in a global and societal context

Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			

Legend	A - Assessed						
Course/Event	Student Course Survey						
Standard/Outcome	ABET-EAC.1.3.9	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning					
Assessment Measures							
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		
	Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?					

Legend	A - Assessed					
Course/Event	Student Course Survey					
Standard/Outcome	ABET-EAC.1.3.1	⋅BET-EAC.1.3.10 > a knowledge of contemporary issues				
Assessment Measures						
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives	
	Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?				
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Legend	A - Assessed	A - Assessed					
Course/Event	Student Course S	Student Course Survey					
Standard/Outcome	ABET-EAC.1.3.1	BET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.					
Assessment Measures							
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		
	Indirect - Survey - students	Has the criterion Students are surveyed in their major courses regarding their sense of attainment of goals. Courses in which students are surveys are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met					

	yet?		

A - Assessed	A - Assessed					
Course Embedde	Course Embedded Assessment					
ABET-EAC.1.3.1	3ET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering					
Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		
Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?					
	Course Embedde ABET-EAC.1.3.1 Assessment Measure Direct - Written	Course Embedded Assessment         ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineer         Assessment Measure       Criterion         Direct - Written Assignment       Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure	Course Embedded Assessment         ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering         Assessment Measure       Criterion       Summary         Direct - Written Assignment       Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure	Course Embedded Assessment         ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering         Assessment Measure       Criterion       Summary       Attachments of the Assessments         Direct - Written Assignment       Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure       Image: Course of the co		

Legend	A - Assessed	A - Assessed					
Course/Event	Course Embedde	ourse Embedded Assessment					
Standard/Outcome	ABET-EAC.1.3.2	BET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data					
Assessment Measures							
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		

Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?		

A - Assessed						
Course Embedde	Course Embedded Assessment					
ABET-EAC.1.3.3	BET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs					
Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		
Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?					
	Course Embedde ABET-EAC.1.3.3 Assessment Measure Direct - Written	Course Embedded Assessment         ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desire         Assessment Measure       Criterion         Direct - Written Assignment       Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure	Course Embedded Assessment         ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs         Assessment Measure       Criterion       Summary         Direct - Written Assignment       Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure	Course Embedded Assessment         ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs         Assessment       Criterion       Summary       Attachments of the Assessments         Direct - Written       Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure       Image: Course of the Cou		

Legend	A - Assessed
Course/Event	Course Embedded Assessment
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams

Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			

Legend	A - Assessed				
Course/Event	Course Embedded	d Assessment			
Standard/Outcome	ABET-EAC.1.3.5	> an ability to identify, formulate, and solve engineering problems			
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			

Legend	A - Assessed				
Course/Event	Course Embeddee	d Assessment			
Standard/Outcome	ABET-EAC.1.3.6	> an understanding of professional and ethical responsibility			
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			

Legend	A - Assessed					
Course/Event	Course Embedde	d Assessment				
Standard/Outcome	ABET-EAC.1.3.7	> an ability to communicate effectively				
Assessment Measures						
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives	
	Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure				

	been met yet?		

Legend	A - Assessed				
Course/Event	Course Embedde	d Assessment			
Standard/Outcome	ABET-EAC.1.3.8	> the broad education necessary to understand the impact of engine	ering solutions	in a global and soci	etal context
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			
		442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure			

Legend	A - Assessed				
Course/Event	Course Embedde	d Assessment			
Standard/Outcome	ABET-EAC.1.3.9	> a recognition of the need for, and an ability to engage in life-long lea	rning		
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?		

Legend	A - Assessed				
Course/Event	Course Embedde	d Assessment			
Standard/Outcome	ABET-EAC.1.3.10	) > a knowledge of contemporary issues			
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			
		been met yet?			

Legend	A - Assessed
Course/Event	Course Embedded Assessment
Standard/Outcome	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

<i>l</i> easures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion Questions are embedded in final exams for courses relevant to specific outcomes. Courses in which assessment take place are: EECE 140, 335, 353, 355, 423, 435, 442, 443, and 460. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			

Legend	A - Assessed					
Course/Event	Senior Design Pro	vject				
Standard/Outcome	ABET-EAC.1.3.1	T-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering				
Assessment Measures						
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives	
	Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?				
			•			

Legend
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Senior Design Pro	Senior Design Project			
ABET-EAC.1.3.2	> an ability to design and conduct experiments, as well as to analyze	e and interpre	t data	
Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			
	ABET-EAC.1.3.2 Assessment Measure	Assessment Measure         Criterion           Direct - Project         Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpre         Assessment Measure       Criterion       Summary         Direct - Project       Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data         ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data         Assessment Measure       Criterion       Summary       Attachments of the Assessments         Direct - Project       Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for       Image: Criterion

Legend	A - Assessed	A - Assessed				
Course/Event	Senior Design Pro	Senior Design Project				
Standard/Outcome	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs					
Assessment Measures						
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives	
	Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?				

Legend	A - Assessed
Course/Event	Senior Design Project

Standard/Outcome Assessment Measures		> an ability to function on multi-disciplinary teams			
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			

Legend	A - Assessed	A - Assessed					
Course/Event	Senior Design Pro	Senior Design Project					
Standard/Outcome	ABET-EAC.1.3.5	ABET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems					
Assessment Measures							
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		
	Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?					

Legend	A - Assessed
Course/Event	Senior Design Project
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility

Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			
	Measure	Measure         Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for	Measure         Measure           Direct - Project         Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for	Measure         the Assessments           Direct - Project         Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for         Image: Committee of the Assessment of the Asse

Legend	A - Assessed				
Course/Event	Senior Design Project				
Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			

Legend	A - Assessed
Course/Event	Senior Design Project
Standard/Outcome	ABET-EAC.1.3.8 > the broad education necessary to understand the impact of engineering solutions in a global and societal context
Assessment	

Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			

Legend	A - Assessed	A - Assessed					
Course/Event	Senior Design Pro	Senior Design Project					
Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning						
Assessment Measures							
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		
	Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?					

Legend	A - Assessed
Course/Event	Senior Design Project
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues
Assessment Measures	

Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?			

Legend	A - Assessed	Assessed							
Course/Event	Senior Design Pro	enior Design Project							
Standard/Outcome	ABET-EAC.1.3.11	> an ability to use the techniques, skills, and modern engineering to	ols necessar	y for engineering prac	tice.				
Assessment Measures									
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives				
	Direct - Project	Has the criterion Senior design projects are assessed by outside professionals vis-a-vis attainment of specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?							

Legend	A - Assessed								
Course/Event	Senior Exit Intervi	Senior Exit Interviews							
Standard/Outcome	ABET-EAC.1.3.1	ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering							
Assessment Measures									
	Assessment	Criterion	Summary	Attachments of	Improvement				

Measure		the Assessments	Narratives
Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?		

Legend	A - Assessed	Assessed							
Course/Event	Senior Exit Interv	Senior Exit Interviews							
Standard/Outcome	ABET-EAC.1.3.2	BET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data							
Assessment Measures									
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives				
	Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?							

Legend	A - Assessed							
Course/Event	Senior Exit Interviews							
Standard/Outcome	ABET-EAC.1.3.3	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs						
Assessment Measures								
	Assessment Measure	Criterion		Summary	Attachments of the Assessments	Improvement Narratives		

Interviews with questions directly address committee will give an average	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?		

Legend	A - Assessed	Assessed							
Course/Event	Senior Exit Interv	enior Exit Interviews							
Standard/Outcome	ABET-EAC.1.3.4	BET-EAC.1.3.4 > an ability to function on multi-disciplinary teams							
Assessment Measures									
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives				
	Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?							
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Legend	A - Assessed							
Course/Event	Senior Exit Intervi	Senior Exit Interviews						
Standard/Outcome	ABET-EAC.1.3.5	BET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems						
Assessment Measures								
	Assessment MeasureCriterionSummaryAttachments of the AssessmentsImprove Narrative							

Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?		

Legend	A - Assessed	Assessed							
Course/Event	Senior Exit Interv	enior Exit Interviews							
Standard/Outcome	ABET-EAC.1.3.6	BET-EAC.1.3.6 > an understanding of professional and ethical responsibility							
Assessment Measures									
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives				
	Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?							
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Legend	A - Assessed							
Course/Event	Senior Exit Intervi	Senior Exit Interviews						
Standard/Outcome	ABET-EAC.1.3.7	BET-EAC.1.3.7 > an ability to communicate effectively						
Assessment Measures								
	Assessment Measure	Criterion		Summary	Attachments of the Assessments	Improvement Narratives		

Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?		

Legend	A - Assessed						
Course/Event	Senior Exit Interviews						
Standard/Outcome	ABET-EAC.1.3.8 > the broad education necessary to understand the impact of engineering solutions in a global and societal context						
Assessment Measures							
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		
	Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?					
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Legend	A - Assessed						
Course/Event	Senior Exit Intervi	Senior Exit Interviews					
Standard/Outcome	ABET-EAC.1.3.9	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning					
Assessment Measures							
	Assessment Measure	Criterion		Summary	Attachments of the Assessments	Improvement Narratives	

Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?		

Legend	A - Assessed						
Course/Event	Senior Exit Interviews						
Standard/Outcome	ABET-EAC.1.3.1	ABET-EAC.1.3.10 > a knowledge of contemporary issues					
Assessment Measures							
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives		
	Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?					
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Legend	A - Assessed						
Course/Event	Senior Exit Intervi	Senior Exit Interviews					
Standard/Outcome	ABET-EAC.1.3.11	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.					
Assessment Measures							
	Assessment Measure	Criterion		Summary	Attachments of the Assessments	Improvement Narratives	

Indirect - Exit Interviews	Has the criterion Department head interviews graduating seniors with questions directly addressing specific outcomes. The faculty committee will give an average rating of 60% or higher for this outcome, based on this measure been met yet?		

## **Summary of Improvement Narratives**

Improvement Narrative List

Assessment Findings for the Assessment Measure level No improvement narratives have been added.

Reflection