

# 2016-2017 Assessment Cycle COS\_Computer Engineering MS

## Mission (due 1/20/17)

### 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.

### College / Department / Program Mission

#### College Mission

*Provide the college mission in the space provided. If none is available, write "None Available in 2016-2017."*

Our mission is to serve our students, the citizens of Louisiana, the nation, and the world, through innovative and stimulating educational experiences and compelling research initiatives that create knowledge, deepen our basic understanding of the world around us, further economic development, and enhance quality of life. In support of our mission, The College of Sciences seeks to:

Develop broad-thinking students into mature, ethical professionals, scientists, and researchers with the necessary creativity, critical thinking, and problem solving skills required to make significant contributions to industry, government, and the academic sector.

Recruit and support top-notch teaching and research faculty engaged in scientific endeavors that are recognized nationally for their relevance and impact.

Enrich scientific research and education through on-campus collaborations, multidisciplinary programs, large-scale multi-institution initiatives, as well as partnerships with government and industry.

Foster scientific literacy within the University, the citizens of Louisiana, and the nation by providing stimulating courses for our students and by partnering with educators at the K-12 and community college level.

Provide leadership in the translation and application of research into practical solutions that will benefit our local community, the state of Louisiana, our natural environment, industries of the Gulf Coast region, and society as a whole.

The Ray P. Authement College of Sciences will emerge as a preeminent college of sciences in the Southeast and Gulf Coast region of the United States. The College will be recognized nationally for its innovative education, scholarly research activities addressing our nation's grand challenges, and for its diverse student body with exemplary academic achievements, leadership abilities, and global perspectives.

#### Department / Program Mission

*Provide the department / program mission in the space provided. If none is available, write "None Available in 2016-2017".*

The primary purpose of the MS program in computer engineering is to prepare students for positions in industry and to prepare them for doctoral programs in computer engineering.

## Assessment Plan (due 1/20/17)

### Assessment List (Goals / Objectives, Assessment Measures and Criteria for Success)

#### Assessment List

Goal/Objective	Understand and use computer hardware design concepts.		
Legends	SLO - Student Learning Outcome/Objective (academic units);		
Standards/Outcomes			
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Attachments</b>
	Direct - Academic Direct Measure (Other)	Students should be able to learn and apply fundamental concepts of computer design or very large scale integration. These concepts are taught in courses such as CSCE 581 and CSCE 585 / CSCE 586. The percentage of students who achieve Developing or Developed state on the rubric will indicate the degree of success of this outcome. At least 70% of the students must achieve Developed or Exemplary state on the evaluation rubric.	

Goal/Objective	Understand and use core concepts of computer architecture		
Legends	SLO - Student Learning Outcome/Objective (academic units);		
Standards/Outcomes			
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Attachments</b>
	Direct - (Academic Direct Measure (Other)	Concepts of computer architecture are taught in courses such as CMPS 430 and CSCE 530. This outcome will be assessed on the data from one of these courses at a time. At least 75% of the students must achieve Developed or Exemplary state on the rubric. At least 75% of the students must achieve Developed or Exemplary state on the rubric.	

Goal/Objective	Understand and use core concepts of operating system		
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Legends	SLO - Student Learning Outcome/Objective (academic units);		
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Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Attachments</b>
	Direct - Academic Direct Measure (Other)	Operating system concepts are taught in CMPS 455 and CSCE 555. This outcome will be assessed on the data from one of these courses a time. At least 75% of the students must achieve Developed or Exemplary state on the rubric. At least 70% of the students must achieve Developed or Exemplary state on the rubric.	

Goal/Objective	Demonstrate communication Skills		
Legends	SLO - Student Learning Outcome/Objective (academic units);		
Standards/Outcomes			
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Attachments</b>
	Direct - Academic Direct Measure (Other)	Communication skills will be measured by assessing students written reports and oral presentations made in a core subject such as CMPS 455 or CSCE 555. At least 75% of the students must achieve Developed or Exemplary state on the rubric. At least 70% of the students must achieve Developed or Exemplary state on evaluation rubric.	

## Results & Improvements (due 9/15/17)

### Results and Improvement Narratives

#### Assessment List Findings for the Assessment Measure level for Understand and use computer hardware design concepts.

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#### Assessment List Findings for the Assessment Measure level for Demonstrate communication Skills

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Legends	SLO - Student Learning Outcome/Objective (academic units);	
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Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>
	Direct - Academic Direct Measure (Other)	Communication skills will be measured by assessing students written reports and oral presentations made in a core subject such as CMPS 455 or CSCE 555. At least 75% of the students must achieve Developed or Exemplary state on the rubric. At least 70% of the students must achieve Developed or Exemplary state on evaluation rubric.

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## Reflection (Due 9/15/17)

### Reflection

#### 1) How were assessment results shared in the unit?

*Please select all that apply. If "other", please use the text box to elaborate.*

Distributed via email (selected)

Presented formally at staff / department / committee meetings

Discussed informally

Other (explain in text box below)

#### 2) How frequently were assessment results shared in the unit?

Frequently (>4 times per cycle)

Periodically (2-4 times per cycle)

Once per cycle (selected)

Results were not shared this cycle

#### 3) With whom were assessment results shared?

*Please select all that apply.*

Department Head (selected)

Dean / Asst. or Assoc. Dean

Departmental assessment committee (selected)

Other faculty / staff (selected)

**4) What were the measurable or perceivable effects on your current (2016-2017) findings based on prior action plans (created in 2015-2016)?**

No particular actions were created in 2015-2016, but we kept monitoring closely the performance of students.

**5) What has the unit learned from the current assessment cycle?**

With robust data collection and mapping, the program has achieved the outcomes.

## Attachments

### Attachments

**Upload any supporting documents related to your assessment plans, results, or improvements. Documents may include rubrics, survey questions, reports, etc. There is no limit to the number of documents you can upload.**

**Click "Select File" to upload document(s)**