

2016-2017 Assessment Cycle COS_Computer Engineering PhD

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 mission/purpose of Ph.D. in Computer Engineering is to prepare students to conduct research in industry and

academia.

Assessment Plan (due 1/20/17)

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

Assessment List

Goal/Objective	Students' breadth of knowledge is assessed by a written comprehensive examination in the areas of computer algorithm analysis and theory of computation, software development, and applications. A student is examined in two areas of his or her own choice. Each area examination is a three-hour session and is prepared and graded by at least two graduate faculty members who are experts in that area. All CACS faculty members as a body meet every semester to review the examination and vote on whether a student has passed or failed an examination. Each student must receive a passing grade in both areas to pass an examination.								
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Goal/Objective	All doctoral must be able to present their research in a formal setting. Doctoral defenses are used to measure this outcome. The percentage of students who successfully defend their dissertation indicates the degree of success of this outcome.								
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Goal/Objective	Doctoral students must be able to publish their research in a peer reviewed medium.								
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Results & Improvements (due 9/15/17)

Results and Improvement Narratives

Assessment List Findings for the Assessment Measure level for Students' breadth of knowledge is assessed by a written comprehensive examination in the areas of computer algorithm analysis and theory of computation, software development, and applications. A student is examined in two areas of his or her own choice. Each area examination is a three-hour session and is prepared and graded by at least two graduate faculty members who are experts in that area. All CACS faculty members as a body meet every semester to review the examination and vote on whether a student has passed or failed an examination. Each student must receive a passing grade in both areas to pass an examination.

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Assessment Findings	Assessment Measure		Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Comprehensive Exam (graduate level)	Has the criterion Students' breadth of knowledge is assessed by a written comprehensive examination in the	In the year 2016-2017, 9 students (a student takes 2 exams is counted as 2) attempted to take the			

		<p>areas of computer algorithm analysis and theory of computation, software development, and applications. A student is examined in two areas of his or her own choice. Each area examination is a three-hour session and is prepared and graded by at least two graduate faculty members who are experts in that area. All CACS faculty members as a body meet every semester to review the examination and vote on whether a student has passed or failed an examination. Each student must receive a passing grade in both areas to pass an examination. At least 70% of the students who attempt the comprehensive examination will pass it. been met yet? Met</p>	<p>comprehensive exams, and 7 passed, yields a success rate of 7/9 = 77.8%</p>		
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Assessment List Findings for the Assessment Measure level for All doctoral students are required to pass Ph.D. prospectus exam which is examined by student's advisor as well as committee members. The percentage of students who pass their prospectus indicates the degree of success of this outcome.

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	Direct Measure (Other)	examined by student's advisor as well as committee members. The percentage of students who pass their prospectus indicates the degree of success of this outcome. At least 70% of the students must pass their prospectus (i.e., the success rate at prospectus exam must not be less than 70%).			
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Assessment List Findings for the Assessment Measure level for All doctoral must be able to present their research in a formal setting. Doctoral defenses are used to measure this outcome. The percentage of students who successfully defend their dissertation indicates the degree of success of this outcome.

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Assessment List Findings for the Assessment Measure level for Doctoral students must be able to publish their research in a peer reviewed medium.

Goal/Objective	Doctoral students must be able to publish their research in a peer reviewed medium.			
Legends	SLO - Student Learning Outcome/Objective (academic units);			
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	Direct - Academic Direct Measure (Other)	Has the criterion At least 70% of doctoral students will graduate with at least one accepted or published research paper been met yet? Met	In the year 2016-2017, 4 students graduated. 1 student published 4 papers, 1 student published 5 papers, 1 student published 3 papers, 1 student published 1 paper. Overall, all students published at least 1 paper. This criterion is thus met.		
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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)?

All the criteria were met in 2015-2016, so no action plans were created in 2015-2016.

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

The assessment is very important to the quality of both research and education to our students and faculty.

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)