



2015-16 End-of-Year Report Academic Department Success Plan

Department: Electronics and Computer Engineering Technology

Department Chair: Dr. Xiaolong Li

Person Primarily Responsible for Preparing this Report:
Dr. Xiaolong Li

Please answer the following questions in two or three pages and submit to your Dean by October 3. Your Dean will review and advance to Academic Affairs by October 10¹ and will offer you feedback by Oct. 17. This report will help inform your 2016-2019 Student Success Plan update that will be due to your Dean by Nov. 4.

1. Specific accomplishments/achievements this past year (briefly explain using bullet points, noting any changed/adapted):

- Addition of new advising plan for undergraduate advising in conjunction with the COT Student Services Office
- Continued recruitment and early outreach with students in conjunction with the Office of Admissions
- Began programming in conjunction with residential life on themed housing for ECET Students
- Continued support for students who need additional assistance in mathematics thru the COT Math Prep Program
- Continued participation in Destination Success, a COT pilot program that focuses on student success in COT female STEM students thru academic and career programming
- Continue with pilot SI program in COT that replaced COT Tutoring Center. In working with Student Success the department is utilizing SI's for ECT 160, ECT 165, ECT 172, and ECT 281.
- Continued to use Graduate Assistants (GA) to help ECT faculty. The department is using three GAs for ECT160, ECT165, ECT303, ECT308, ECT401, ECT403, and ECT437.
- Continued to revise the Information Technology curriculum to make the curriculum up-to-date.
- Obtained ABET reaccreditation for Computer Engineering Technology.
- The 1-Year retention rates have increased from 60.61% in fall 2014 to 71.43% in fall 2015.
- The 4-Year graduation rates have increased from 21.05% for cohort of fall 2011 to 33.33% for cohort of fall 2012.
- The 6-Year graduation rates have increased from 43.90% for cohort of Fall 2009 to 52.38% for cohort of Fall 2010.

2. Objective/Actions Not Achieved (briefly explain using bullet points):

The objectives we set for last academic year did all seem to have some degree of success. We plan to refine many of the items we worked on last year, and find additional areas of focus.

3. Looking ahead, briefly describe changes, additions, or subtractions that need to be made to your goals and/or action steps, including with respect to their linkage to student learning outcomes.

- Our goals are to continue increasing our retention rates and 4-Year and 6-Year graduation rates.
- We have added action of auditing four-year plans and curriculum to ensure that unavoidable curricular barriers to programs are recognized.

¹ Note that the Dean will request a refinement to the report if it is not suitably addressing the questions.

- Increase the class size of ECT303, ECT308, and ECT324 from 12 to 24 so that more junior students can take these courses.
- Move ahead our IT curriculum change proposal to CAAC so that the new curriculum can be put into the catalog in Fall 2017.
- Provide advising to students to make sure that they are taking the right sequence of courses.

4. Do you see opportunity for this project to work more closely with another department, college, or unit such that greater impact might be possible (*briefly explain*)?

- To increase our 4-Year and 6-Year graduation rates, we need support from Computer Science Department. The students in Automation and Control Engineering Technology, Computer Engineering Technology, Electronics Engineering Technology are required to take CS256. However, the Computer Science only offers one section of CS256 every semester. I wish CS department can offer two sections of CS256 every semester.
- The ECT department and AETM department are working together to develop some common courses to improve the four year graduation rates.

5. Is there anything else about your initiative you feel important to detail?

We believe many of the objectives we set in our student success plans that are coordinated by the college and those that are specific to our department were successful last year. We plan to make some changes to some programming that we conducted last academic year, and begin to look closely with core courses for our engineering technology programs thru the quality initiative.