Indiana State University

Academic Department Student Success Plan Annual Update: 2016-2019[1]

Department: Electronics & Computer Engineering Technology

Department Chair: Dr. Xiaolong Li

Department Mission: The Electronics Engineering Technology, Computer Engineering Technology, Automation and Control Engineering Technology and Information Technology majors optimize practical learning experiences to support the design and application of electrical and electronic circuits, electronic, computer system and automated system hardware and software components; leveraged by computer modeling, state-of-the-art laboratory experiences and small learner oriented classes.

Department Freshmen (1st year) Retention Goal(s):

Increase first year retention in the ECET Department by 3%.

Action Steps[2] (with dates & person(s) responsible):

1. Participation in New Student Orientation by talking with students/families in small groups about their chosen majors and answering academic content-related (and flight fees) questions for 25 minutes per NSO. ECET Departmental Contact: Xiaolong Li and Edie Wittenmyer. This will resume again in June of 2017
2. Updating of COT Residential Housing Program to link themed housing to specific learning communities/courses during the freshmen year. AETM Departmental Contacts: Kara Harris and Xiaolong Li.   December 1, 2016
3. Continue to participating in pilot program (Destination Success) that focuses (with specific outcome-based objectives) on student success in COT female STEM students through academic and career. Contacts: Kara Harris. First meeting date was September 12, 2016.

Retention Benchmarks (by latest department)	**Fall 2013 Cohort:** 81.71%	**Fall 2014 Cohort:** 75.58%	**Fall 2015 target & actual:** 66.67%
	Fall 2016 target: 70.00%	**Fall 2017 target:** 73.00%	**Fall 2018 target:** 75.00%

Other Freshmen Retention related benchmarks of focal interest to department

Retention Benchmarks (by original department)	**Fall 2013 Cohort:** 74.19%	**Fall 2014 Cohort:** 60.61%	**Fall 2015 target & actual:** 70.59%
	Fall 2016 target: 74.00%	**Fall 2017 target:** 77.00%	**Fall 2018 target:** 80.00%

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[1] Plan updates are due to your Dean by Nov. 4 as informed by your 2015-16 End-of-Year Report that is due to your Dean by Oct. 3.
[2] **Action Steps Defined**: The specific activities/actions taken to realize progress toward the goal. Such action steps should include not only student support type activities/actions but also student learning enhancement focused activities/actions.

Department Persistence to Completion Goal(s):

Increase persistence to graduation and four-year graduation by 3% in the ECET Department.

Action Steps (with dates & person(s) responsible):

1. Continue to participate in pilot program that focuses on student success in COT female STEM students through academic and career center programming. Contacts: Kara Harris. First meeting date was September 12, 2016.
2. Participation in planned retention/persistence events and programs in the COT. Each event has a specific theme for students (fall welcome, priority registration, career center services, last day to drop, It's on Blue, etc.), to assist students in gaining information that will assist them in persisting. Contact: Randy Peters, Kara Harris, and additional COT Faculty and staff 8/25/16, 9/30/16 , 11/5/15, 1/25/17, 2/15/17, 4/6/17
3. Offer night and weekend advising sessions to assist students take advantage of priority registration. Contact: Steve McCaskey, Xiaolong Li, Cindy Crowder, Kara Harris, Andrew Payne, Randy Peters, and additional COT Faculty and staff 11/5/16, 11/10/16, dates for spring are TBD.
4. Contact students who are eligible to register, but have not. We have done this via email in the past, but plan to also contact them via telephone as well this year. Contact: Steve McCaskey, Xiaolong Li, Cindy Crowder, Kara Harris, Andrew Payne, Randy Peters, and additional COT Faculty and staff December 2016, May 2017.
5. Contact (email and letter to permanent address) sophomores, juniors, and seniors who show deficient on interim grade reports. Kara Harris October 2016, February 2017.
7. Audit four-year plans and curriculum to ensure that unavoidable curricular barriers to programs are recognized; engineering technology core content is universal across the college; and a plan to assist students overcome barriers (without lowering academic rigor) is created (HLC). Randy Peters, Xiaolong Li, Andrew Payne, spring 2016.
8. Continue with pre-graduation checks of all students who have applied for graduation so that deficient requirements can be met prior to graduation. Contact: Kara Harris
9. Require signature to register several 400 level courses to make sure that the students can take required courses for graduation. Contact: Xiaolong Li
10. Offer additional section or provide substitution to senor students to make sure they can take required courses for graduation. Contact: Xiaolong Li

Completion Benchmarks (by latest department)	**Fall 2010 Cohort:** 26.98%	**Fall 2011 Cohort:** 21.05%	**Fall 2012 target & actual:** 33.33%
	Fall 2013 target: 36.00%	**Fall 2014 target:** 39.00%	**Fall 2015 target:** 41.00%

Other Persistence to Completion related benchmarks of focal interest to department

Completion Benchmarks (by original department)	**Fall 2010 Cohort:** 19.35%	**Fall 2011 Cohort:** 20.00%	**Fall 2012 target & actual:** 34.07%
	Fall 2013 target: 37.00%	**Fall 2014 target:** 40.00%	**Fall 2015 target:** 43.00%

Other Goal(s), Action Steps, and Benchmarks of focal interest to department:

1. Goal: Increase articulation activity with university outside of USA, especially the university in China.
- Working with Center of Global Engagement, Graduate School and Admission office to develop an agreements with Shanghai JiaoQiao University to recruit undergraduate and graduate students.
Responsible: Xiaolong Li
Timeline: Spring 2017
2. Goal: Connect with more alumni: An alumni survey will be created for use in the ATMAE reaccreditation for Electronics Engineering Technology program.

Responsible: David Malooley and Xiaolong Li
Timeline: Spring 2017.

3. Goal: Build connections with graduates
Action: Create and implement an exit survey graduating seniors. The intention of this survey is to provide a means to collect and analyze the data to discover the types of positions our graduates are taking, and provide feedback for ABET accreditation.
Responsible: program coordinators
Timeline: Spring 2017 and Spring 2018

4. Goal: Update Industrial Advisor Board:
Currently the industrial advisor board members are not very active. It is time to invite new members to join the board.
Responsible: Xiaolong Li
Timeline: Spring, 2017.

5. Goal: embed more of the career readiness goals into the curriculum.
Action: inventory career readiness goals already embedded into the current curriculum and look for more placements for additional contribution.
Responsible: Xiaolong Li
Timeline: Summer 2017.

6. Goal: implement a strategy for increasing class size where possible to increase the efficiency of instruction and student to faculty ratio.

7. Goal: continuous curriculum improvement on Electronics Engineering Technology and Automation and Control Engineering Technology to make sure the EET and ACET are ready for ABET in Fall 2018.
Responsible: David Malooley, Williams Clyburn and Xiaolong Li
Timeline: Fall 2017.