# 2016-17 Department Student Success Plan Assessment Report
## Applied Engineering and Technology Management

Please answer the following questions in two pages and submit to your Dean by October 2. Your Dean will offer you feedback by Oct. 16 and advance final version[1] to Academic Affairs by October 20. This report will inform your 2017-18 Student Success Plan update that will be due to your Dean by Nov. 3. Previous report and plans can be found at this website: http://irt2.indstate.edu/cms7/sp16/index.cfm/department-plans/.

**Person Primarily Responsible for Preparing this Report:** Dr. Randy Peters

1. **Specific accomplishments/achievements this past year** (*briefly explain using bullet points, noting any changed/adapted*):
   1. Increased graduation rates are indicative of the changes that have been incorporated into the various programs in the department. We certainly will monitor these results and hope to continue improvements in our graduation rates.
      a. Increased graduation rate (13.9%) by *Original* college/department from previous academic year.
      b. Increased graduation rate (14.7%) by *Latest* college/department from previous academic year.
   2. We believe the initiatives put in place have had a positive effect on Course Completion Ratios.
      a. Increased undergraduate Course Completion Ratios from previous academic year for lower division courses (5.51%) and upper division courses (0.83%).
   3. We believe the establishment of professional advising for 'Sophomores thru Junior First Semester' and 'Transfer Students' has had a positive effect on End of Term Performance.
      a. Increase in fall average credit hour earned (0.21), and spring average credit hour enrolled (0.01), and spring average credit hour earned (0.38) from previous academic fall and spring semesters.
   4. Participated in planned retention/persistence events and programs in the COT. Each event was developed to assist students in gaining information (fall welcome, priority registration, career center services, last day to drop, It's on Blue, etc.) that will assist them in persisting.
      a. Increased Retention (4.87%) by *Original* college/department from previous academic year.
      b. Increased Retention (3.41%) by *Latest* college/department from previous academic year.
   5. Participated 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.
   6. Updated COT Residential Housing Program to link themed housing to specific learning communities/courses during the freshmen year.
   7. Participated in expanded pilot program "Destination Success." Destination Success focuses (with specific outcome-based objectives) on student success in COT female STEM students through academic and career and has been expanded to increase representation of a more diverse student population.
   8. Attended weekend advising sessions to assist students take advantage of priority registration.
   9. Contacted students who are eligible to register, but have not; via email and newly implemented, via telephone.
   10. Contacted (email and letter to permanent address) sophomores, juniors, and seniors who show deficient on interim grade reports.
   11. Audited four-year plans and curriculum to ensure that unavoidable curricular barriers to programs are recognized, and a plan to assist students overcome barriers (without lowering academic rigor) is created.
   12. Continued with pre-graduation checks of all students who have applied for graduation so that deficient requirements can be met prior to graduation.
   13. As a Department we identified the correct maximum number of students that can be taught in a section of laboratory, lecture, or computer simulation courses. We teach a wide variety of technology related courses, some that are mostly lecture based and some that are heavily hands-on laboratory intensive.
   14. Faculty are engaged in the HLC Project creating a more common set of courses in the ETAC of ABET accredited/accreditable programs.
   15. Continued with pilot Supplemental Instructor program in COT to increase student success in gateway courses.

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[1] Dean will request a refinement to the report if it is not suitably addressing the questions. Report will be shared with Trustees.

16. The new BS in Engineering degree was approved by the State. This program will cause a paradigm shift in the COT that will bring in new and different students as well as open up new avenues with industry partners.
17. The department created new policies including promotion and tenure, curriculum development, and grading schemas. These policies promote stability and commonality within and between the 9 undergraduate programs in the department.
18. More than 50 students engaged in national competitions in events such as the Shell Eco-Marathon High Mileage Competition, the Concrete Canoe Project, and NHRA Drag Racing with Team Sycamore Racing.

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

1. We had planned on developing 5 articulation agreements. We were able to submit 3 articulation agreements, all with IVY Tech. We will continue with our goals.

**3. Attention areas going forward as informed by 2016-17 retention, completion, course completion ratio, credit hour productivity, and D/F/drop rate data provided as well as other Blue Report or departmental data (briefly explain using bullet points).**

1. Decrease in cohort size by *Original* (-30) and *Latest* (-12) college/department.
   a. While this downturn in enrollment was somewhat anticipated due to the recent changes with SACM students, we do need to promote our programs more as well as our accreditation so that enrollment numbers will stabilize or increase.