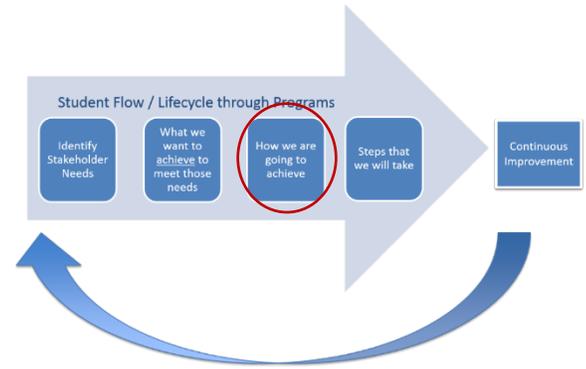# ETCS Strategic Planning Workshop
September 22, 2017

Facilitated by:
IPFW Center of Excellence in Systems Engineering
ETCS Strategic Planning Steering Committee Members

Exercise #3: Current Work	
Goal	Become familiar with work currently underway in Student Success and Outreach that relates to the sub-initiatives.
Description	Individually review current work inventory.
Steps	
1	Review "Current and Ongoing Work in Student Success" and "Current and Ongoing Work in Outreach". Identify how current work integrates within the strategic plan and specifically, the priority sub-initiatives that we are focused on
Key Learning Points	
Key Points	• There is already work underway that relates to many initiatives identified within the strategic plan. • We need to be mindful of how we can build on the success and momentum of work in progress.

LESSONS LEARNED

Current and Ongoing Work in Student Success

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Lead Peer Mentoring   Target Audience: ETCS undergraduates

ETCS created a program to recruit upperclassmen in ETCS to act as mentors for new, incoming students. The mentors participate in a rigorous training program and are compensated for their participation. The program currently has 7 trained mentors and 11 participating mentees, with a future plan of expansion including industry mentors.

Living Learning Community (LLC)   Target Audience: ETCS on-campus students

ETCS coordinated with IPFW Housing and Student Affairs to house around 30 students in the same wing of the Waterfield Campus. The student residents will have targeted events that include social mixers, industry presentations, and on-site tutoring that look to build a sense of community among participants. Future plans include expansion into an entire building for ETCS students.

Enrichment Program   Target Audience: ETCS 1st & 2nd year students

ETCS is developing a program for identifying and assisting underclassmen in ETCS who are at-risk. The program identifies students whose GPA is in the 2.0-2.1 range and connects them with mentoring and encouragement by ETCS leadership.

Departmental Programs

Ongoing and in-development programs for individual departments include:

- Student career path planning and presentations
- Student advising
- Peer mentoring networks
- Multidisciplinary courses
- Societies and clubs
- Banquets and awards
- Scholarships and grants
- Assessment programs
- Teaching Guild for instructor development

Current and Ongoing Work in Outreach

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STEM Competitions   Target Audience: 4th-12th grade students

ETCS participates in and organizes competitions to challenge and recognize potential students and engage faculty and local sponsors. The competitions include FIRST LEGO League, Indiana Regional Future City Competitions, and Discover E Engineers Week Bridge Building Contest. The activities include project design and emphasize important concepts such as research, creativity, collaboration, and problem solving.

Career Quest Programs   Target Audience: 8th-12th grade students

ETCS' premiere program is Sci-TEC Academy, a career and leadership network that invites high school students to connect with each other and learn about ETCS degree programs, STEM career paths, and opportunities in northeast Indiana, all while engaging with IPFW faculty, students, and industry partners. The Look to Your Future event kicked off in 2017 and ETCS also hosts classroom visits, to show potential and interested students about classes and life for ETCS students.

Summer STEM Exploration Camps   Target Audience: 8th-12th grade students

ETCS hosts summer workshop camps for high school students to learn valuable and interesting STEM skills. The camps are run by ETCS faculty and staff volunteers and include past successful camps such as Adventures in Computing for Teens, Swarm Bots, Raspberry Pi Summer Camp, GIRLS: Transform Our Future, and Machining Technology Exploration.

Departmental Programs

Ongoing and in-development programs for individual departments include:

- Dual-credit courses
- Senior design projects
- Co-op and intern opportunities
- High-school challenges and competitions
- Industrial advisory boards
- Partnerships with other universities
- Conferences
- Portal to the Public