



# ETLI

## Overview

Purdue School of Engineering and Technology at IUPUI

INDIANA UNIVERSITY–PURDUE UNIVERSITY INDIANAPOLIS

# IUPUI OVERVIEW



- Indiana's urban research and academic health sciences campus
- Indiana University (IU) and Purdue University (PU) programs at Indianapolis (I) merged in 1969 forming IUPUI
- 27,384 students Fall 2019 (Indianapolis) with an additional 1,406 in Columbus and 747 in Ft. Wayne (IUPUI extensions)
- Over \$300 M in research expenditures in Fiscal Year 2018-2019
- IU has the administrative and fiscal responsibility (all faculty and staff are IU employees)
- PU has academic oversight of Purdue programs
- IU Bloomington and IUPUI are the two core research campuses of Indiana University

# History of School of Engineering and Technology

- 1940s: Defense training courses taught by Purdue at Indianapolis
- 1950s: Diploma programs in engineering technology
- 1961: Purdue Regional campus established at 38<sup>th</sup> Street in Indianapolis
- **1969: IU and Purdue merged Indianapolis operations to create IUPUI**
- 1972: Purdue School of Engineering and Technology was founded
- 1975: Technology programs moved from 38<sup>th</sup> Street to IUPUI' s main campus (ET building)
- 1991: Remainder of 38<sup>th</sup> Street programs moved to IUPUI campus (SL building)
- 2008: Music and Arts Technology joined the School of Engineering and Technology (IT building)
- 2013: Science and Engineering Laboratory Building (EL building)
- 2018: Innovation Hall (to be completed in 2020)

# School of Engineering and Technology

## Departments

- **Engineering Departments**

- Biomedical Engineering
- Electrical and Computer Engineering
- Mechanical and Energy Engineering

- **Technology Departments**

- Computer Information and Graphics Technology
- Engineering Technology
- Music and Arts Technology
- Technology Leadership and Communication



Dr. Ed Barbari



Dr. Brian King



Dr. Jie Chen



Dr. Feng Li



Dr. Robert Weissbach



Dr. Debra Burns



Dr. Charles Feldhaus

# Leadership Offices (Engineering and Technology)



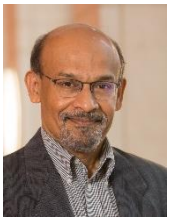
- Office of the Dean
  - Led by Dr. David Russomanno, Dean



- Office of Student and Career Services (includes New Student Academic Advising)
  - Led by Ms. Marsha Baker, Assistant Dean of Recruitment, Retention, and Student Services



- Office of Undergraduate Programs and Academic Affairs (includes Freshman Engineering)
  - Led by Dr. Karen Alfrey, Associate Dean of Undergraduate Academic Affairs and Programs



- Office of Research and Graduate Programs
  - Led by Dr. Razi Nalim, Executive Associate Dean of Research
  - Led by Dr. Paul Salama, Associate Dean of Graduate Programs

## ● Faculty (full-time)

- Professor (tenure/tenure-track) 21
- Associate Professor (tenure/tenure-track) 31
- Assistant Professor (tenure/tenure-track) 22
- Clinical (all ranks) 11
- Lecturer (all ranks) 33
- Research (all ranks) 10
- Visiting (all ranks) 10

## ● Staff (full-time)

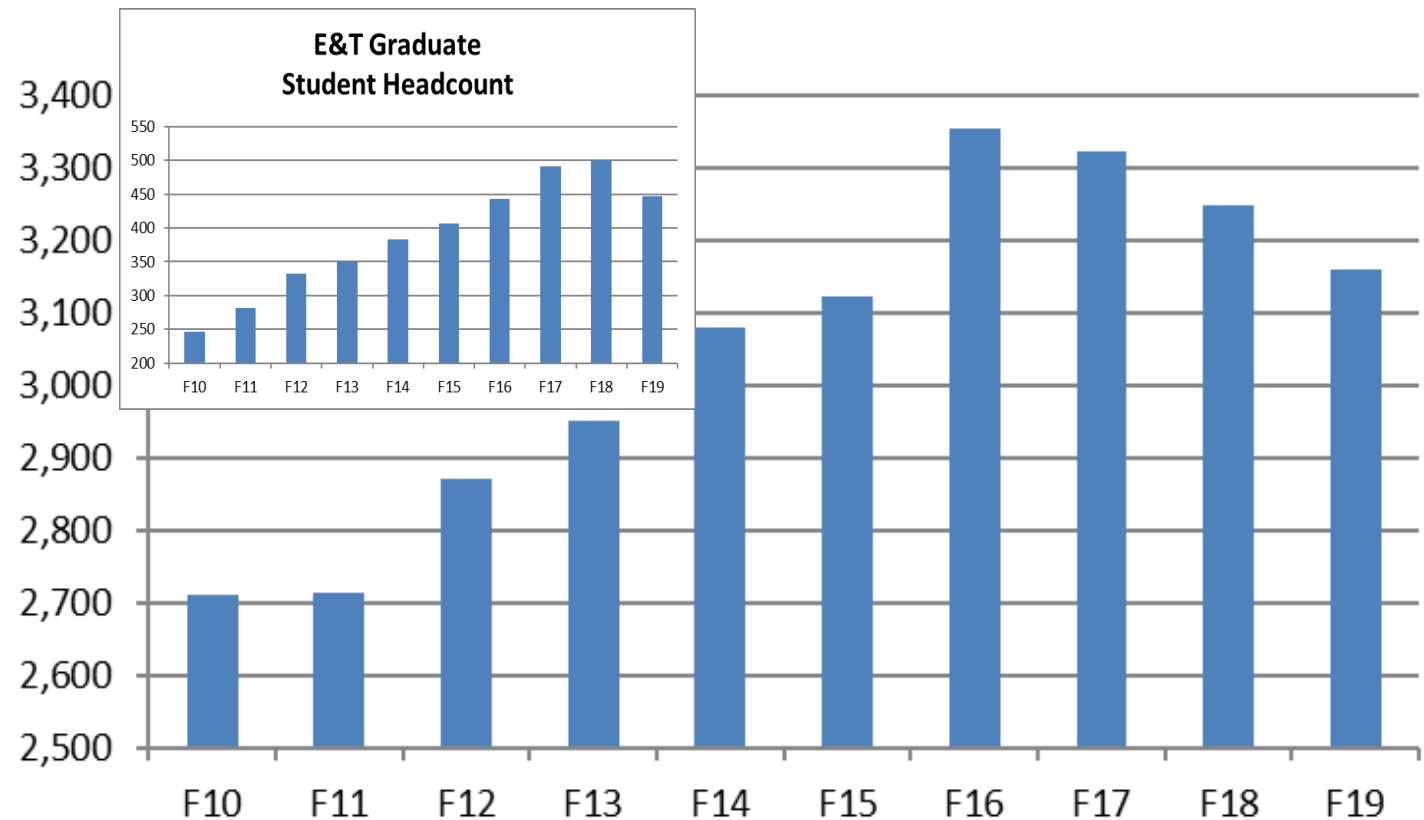
- Professional (including Technicians) 40
- Non-exempt (Clerical) 13

## ● Students (headcount)

- Undergraduate 2712
- Graduate 447
- Out-of-state (included in above totals) 857



## E&T Student Headcount



# B.S. Degree Programs

- Biomedical Engineering
- Computer Engineering
- Electrical Engineering
- Energy Engineering
- Engineering—Interdisciplinary
- Mechanical Engineering
- Motorsports Engineering
  
- Computer Engineering Technology
- Computer Graphics Technology
- Computer and Information Technology
- Construction Management
- Electrical Engineering Technology
- Healthcare Engineering Technology Management
- Interior Design Technology
- Mechanical Engineering Technology
- Music Technology (IU degree)
- Music Therapy (IU degree)
- Organizational Leadership
- Technical Communication



BE IT KNOWN THAT THE TRUSTEES OF  
**Purdue University**  
UPON NOMINATION OF THE FACULTY  
SCHOOL OF ENGINEERING AND TECHNOLOGY  
HAVE GRANTED TO

THE DEGREE OF  
BACHELOR OF SCIENCE  
IN RECOGNITION OF THE FULFILLMENT OF THE  
REQUIREMENTS OF THAT DEGREE  
AWARDED FOR STUDY AT INDIANA UNIVERSITY-PURDUE  
UNIVERSITY AT INDIANAPOLIS  
MAY 10, 2015

*Anna E. Ferguson*  
CHAIRMAN OF THE TRUSTEES



*Mitchell E. Daniels, Jr.*  
PRESIDENT OF THE UNIVERSITY

**Indiana University**

Purdue School of Engineering and Technology

To all who may read these letters, Greeting:  
hereby it is certified that upon the recommendation of the Faculty,  
the Trustees of Indiana University have conferred upon

Name Here

the degree of

Bachelor of Science in Music Technology

in recognition of the fulfillment of the requirements for this degree.  
In Witness Whereof, this diploma is given at Indiana University-  
Purdue University at Indianapolis, Indiana, December 31, 2012.

*John R. ...*  
Dean  
*John R. ...*  
Secretary of the Trustees



*Michael A. ...*  
President  
*Charles F. ...*  
Chancellor

# Accreditation (BS programs)

Bachelor of Science Computer Graphics Technology  
Bachelor of Science Computer and Information Technology



Bachelor of Science in Biomedical Engineering  
Bachelor of Science in Computer Engineering  
Bachelor of Science in Electrical Engineering  
Bachelor of Science in Energy Engineering  
Bachelor of Science in Mechanical Engineering  
Bachelor of Science in Motorsports Engineering



Bachelor of Science Computer Engineering Technology  
Bachelor of Science Electrical Engineering Technology  
Bachelor of Science Healthcare Engineering Technology Management  
Bachelor of Science Mechanical Engineering Technology



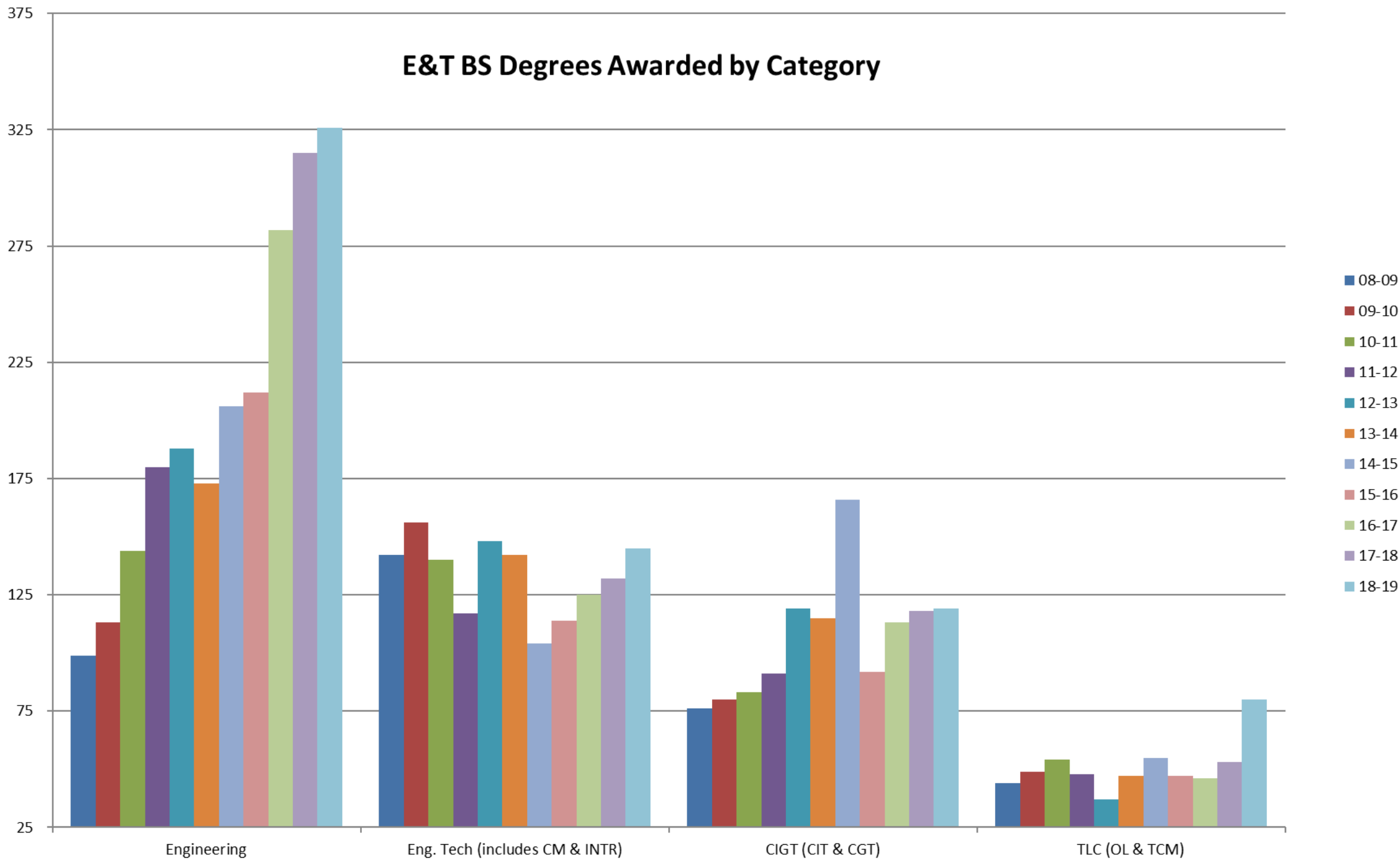
Bachelor of Science Construction Management  
Bachelor of Science Interior Design Technology  
Bachelor of Science Music Technology  
Bachelor of Science Music Therapy



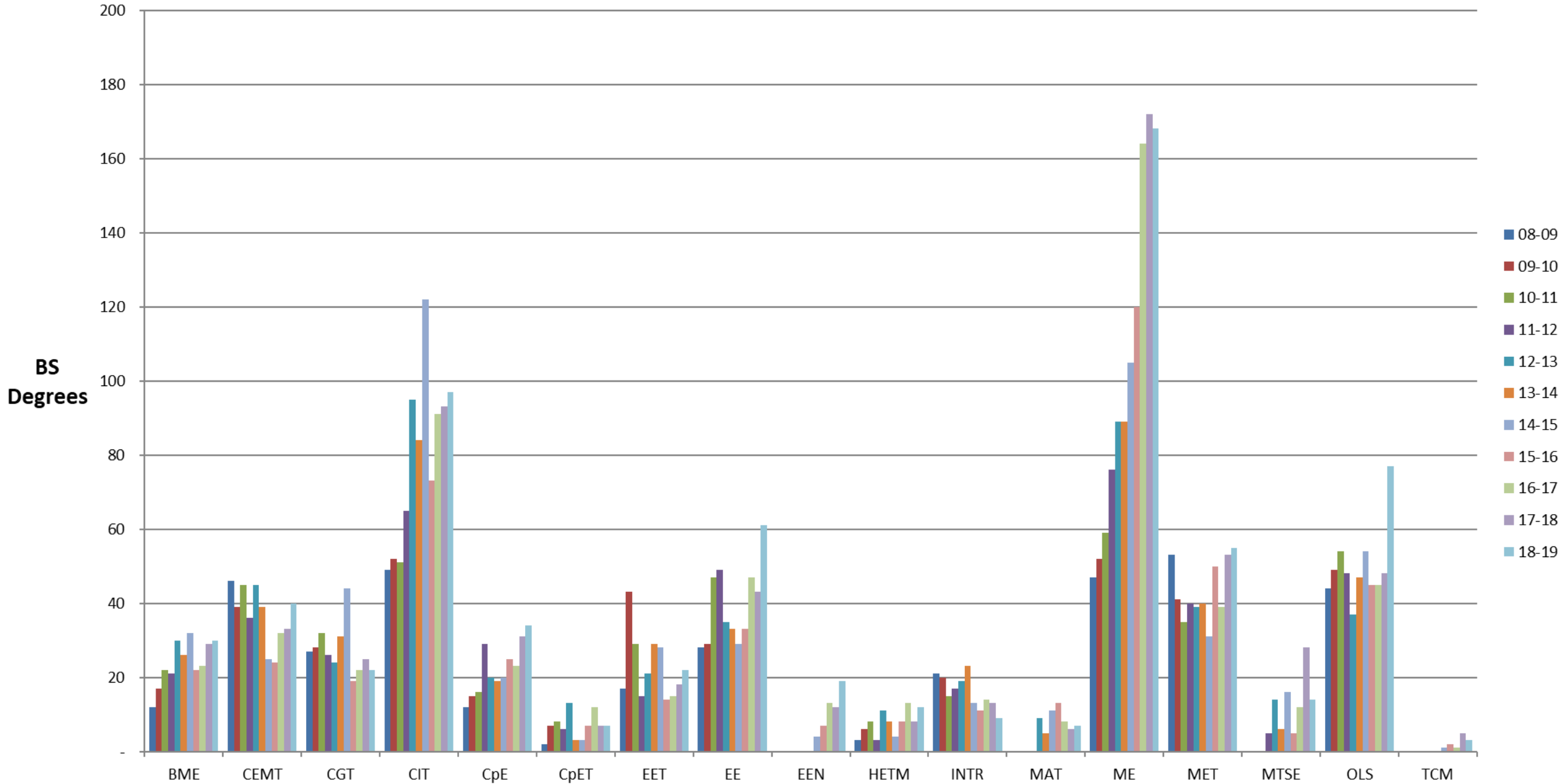


# E&T BS Degrees Awarded by Category

**BS  
Degrees**



# E&T BS Degrees Awarded by Program



# M.S. Degree Programs

- Master of Science Degree Programs (Engineering)
  - Biomedical Engineering
  - Electrical and Computer Engineering
  - Mechanical Engineering
  - Engineering
- Master of Science Degree Programs (Music and Arts Technology)
  - Music Technology
  - Music Therapy
- Master of Science Degree Program (with Technology focus areas)
  - Applied Data Management and Analytics
  - Information Security and Assurance
  - Facilities Management
  - Motorsports
  - Organizational Leadership
  - Technical Communication



BE IT KNOWN THAT THE TRUSTEES OF  
**Purdue University**  
UPON NOMINATION OF THE FACULTY  
HAVE GRANTED TO

THE DEGREE OF  
MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING

IN RECOGNITION OF THE FULFILLMENT OF THE  
REQUIREMENTS OF THAT DEGREE  
AWARDED AT INDIANA UNIVERSITY-PURDUE  
UNIVERSITY AT INDIANAPOLIS  
MAY 12, 2013

*Keith J. Kuehl*  
CHAIRMAN OF THE TRUSTEES



*ME Daniels, J.*  
PRESIDENT OF THE UNIVERSITY

**Indiana University**

Purdue School of Engineering and Technology

To all who may read these letters, Greeting:  
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Master of Science in Music Technology

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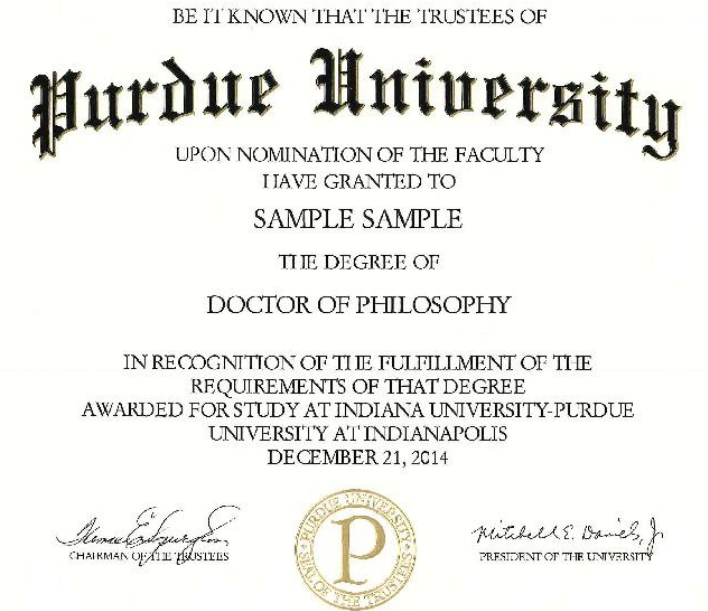
*Dean*  
Attest: *Robin Bayless*  
Secretary of The Trustees



*Michael A. Markelzie*  
President  
*Charles F. Foy*  
Chancellor

# Ph.D. Programs

- Electrical and Computer Engineering
- Mechanical Engineering
- Biomedical Engineering (joint with WL)
- Music Technology



# Enable Extraordinary Student Success

**ASEE Intern of the Year** (National Award, 1 per year):

2018 Ohio State; 2017 U. Conn; 2016 Mississippi State U.; 2015 U. Pittsburgh;

**2014 IUPUI; 2013 IUPUI**



Kirk Barber

- B.S. Motorsports Engineering, 2013
- **ASEE Intern of the Year, 2013**
- Allison Transmission (internship)
- Motorsports Club and Formula SAE
- Co-Author of article in Int'l Journal of Modern Engineering
- Production Engineer, Toyota North America



Steven Zusack

- B.S. Mechanical Engineering, 2014
- **ASEE Intern of the Year, 2014**
- German Aerospace Center in Germany (internship)
- NASA Langley Research Center (internship)
- PhD student, Aerospace Engineering, Purdue, WL

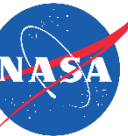
“Kirk’s academic record of accomplishment at IUPUI equals his success at Allison. His high level of self-motivation and strong desire for learning made him one of our star students.”

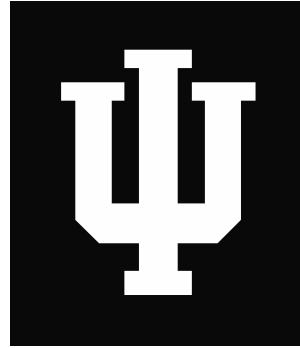
**B. Klenk, Director, Allison Transmission**



“I have mentored over a dozen undergraduate and graduate students over my last 10 years here, and he has excelled above all other students in pursuing independent research work associated with adhesion of metal films.”

**D. Laurence Thomsen, Materials Eng., NASA Langley**





**IUPUI**  
SCHOOL OF  
ENGINEERING AND TECHNOLOGY

**THANK YOU!**