

Dean's Report to the DIAC

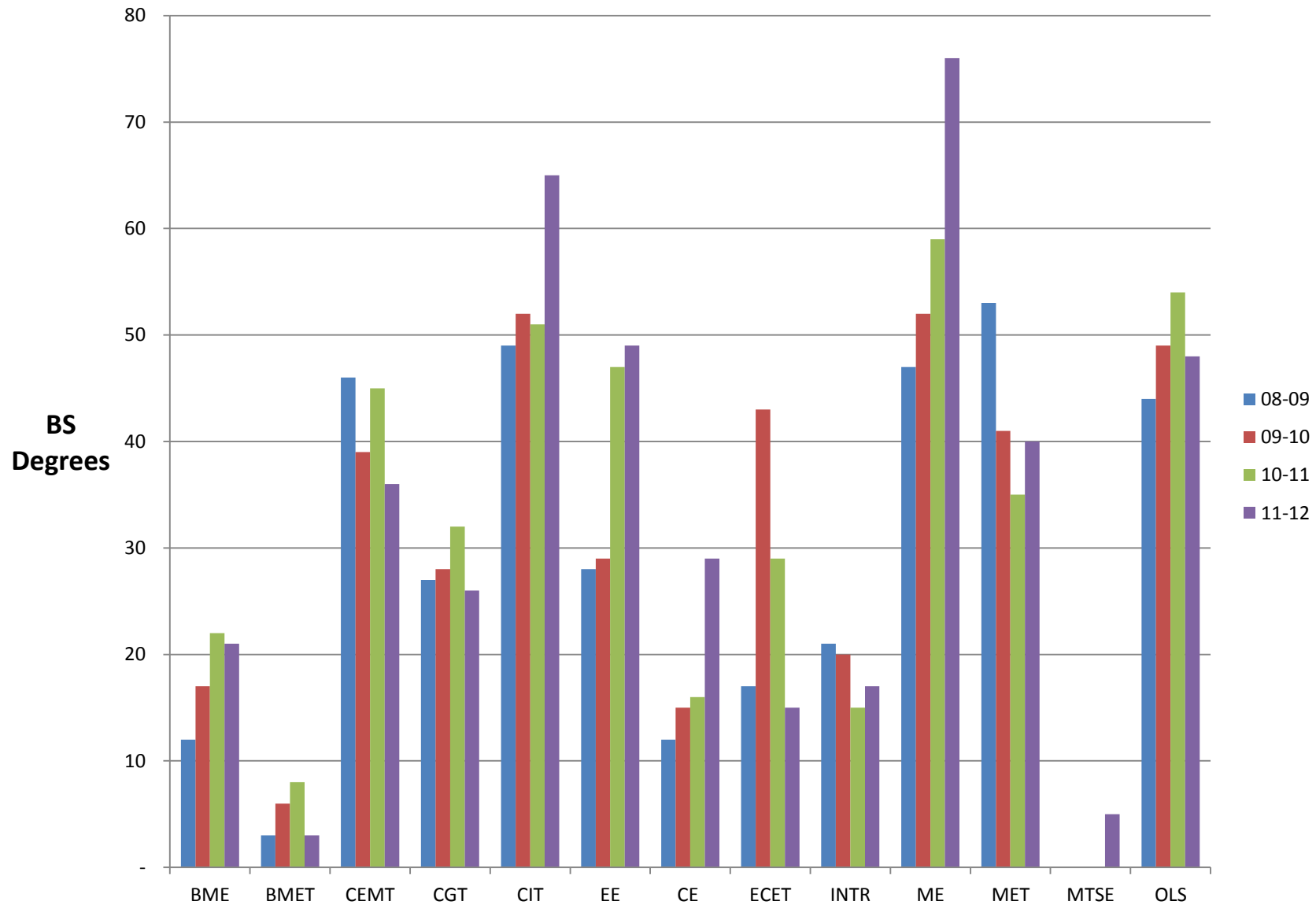
Purdue School of Engineering and
Technology, IUPUI

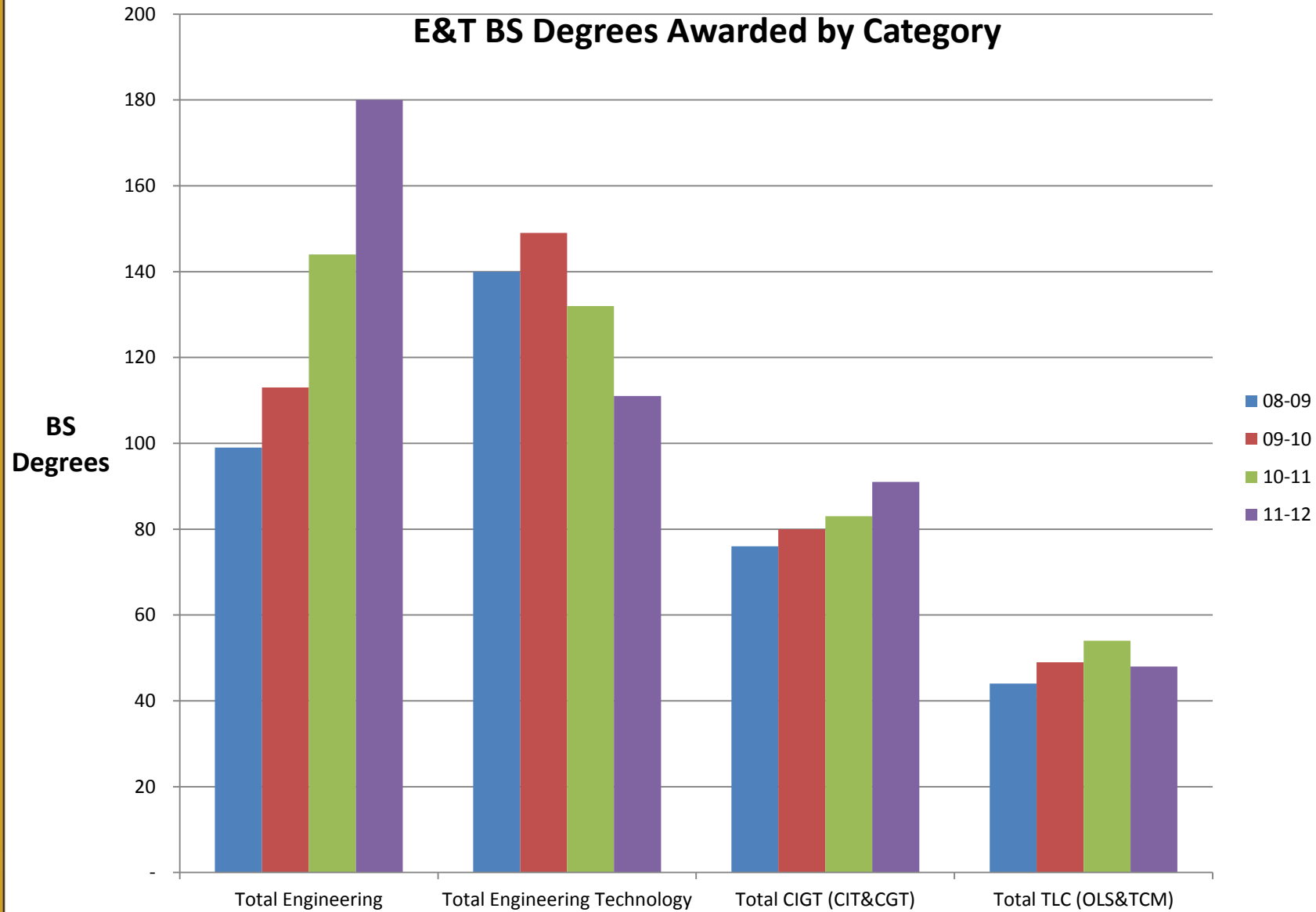
March 7, 2013

Reflection & Planning

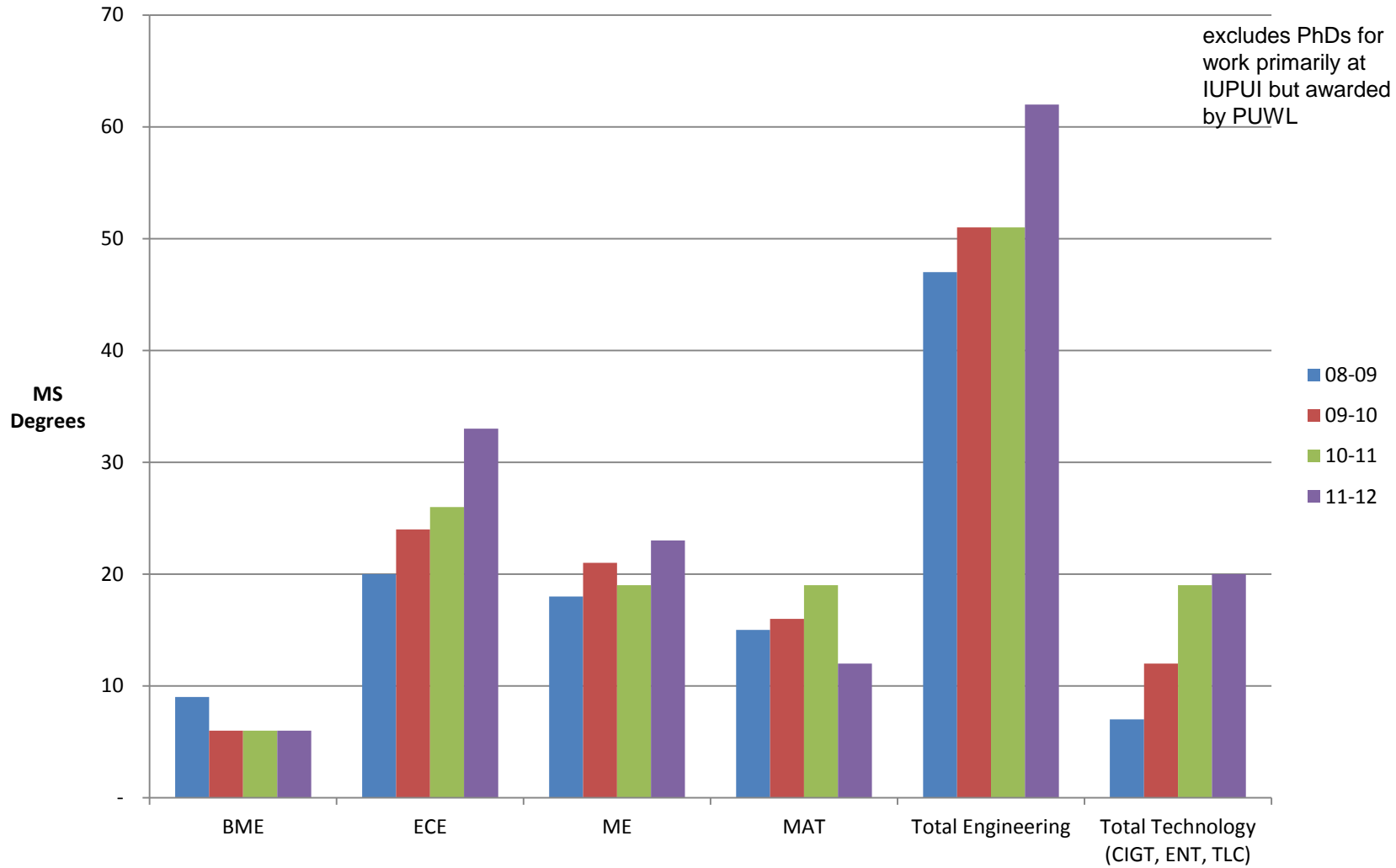
- As part of an annual budget hearing process, Schools at IUPUI have been asked to reflect on enrollment and research trends over the past four years and to provide feedback to the campus regarding enrollment and research projections.
- The following slides summarize some trends, challenges, and opportunities going forward, which will be included in E&T's response to the campus.

E&T BS Degrees Awarded by Program

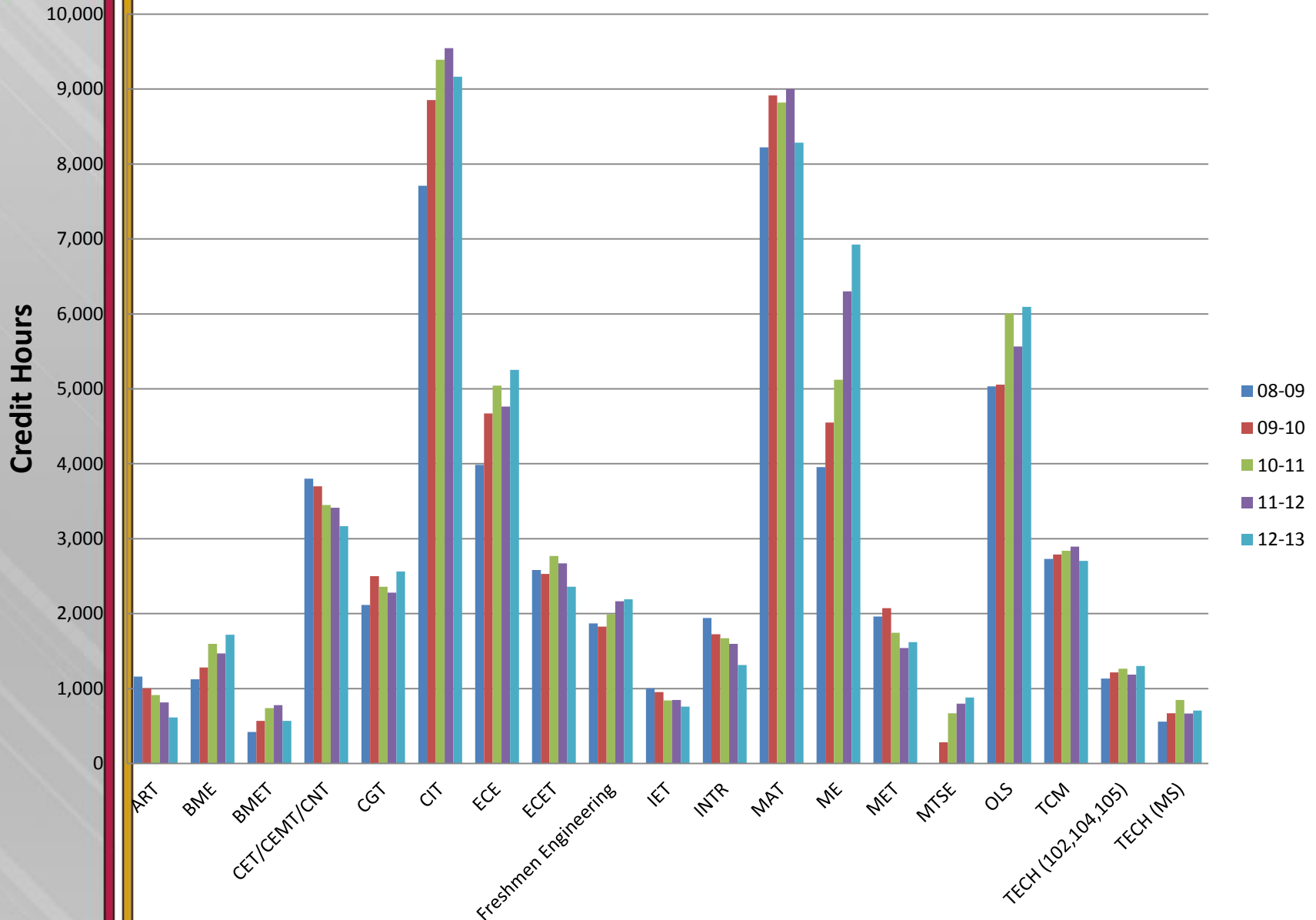


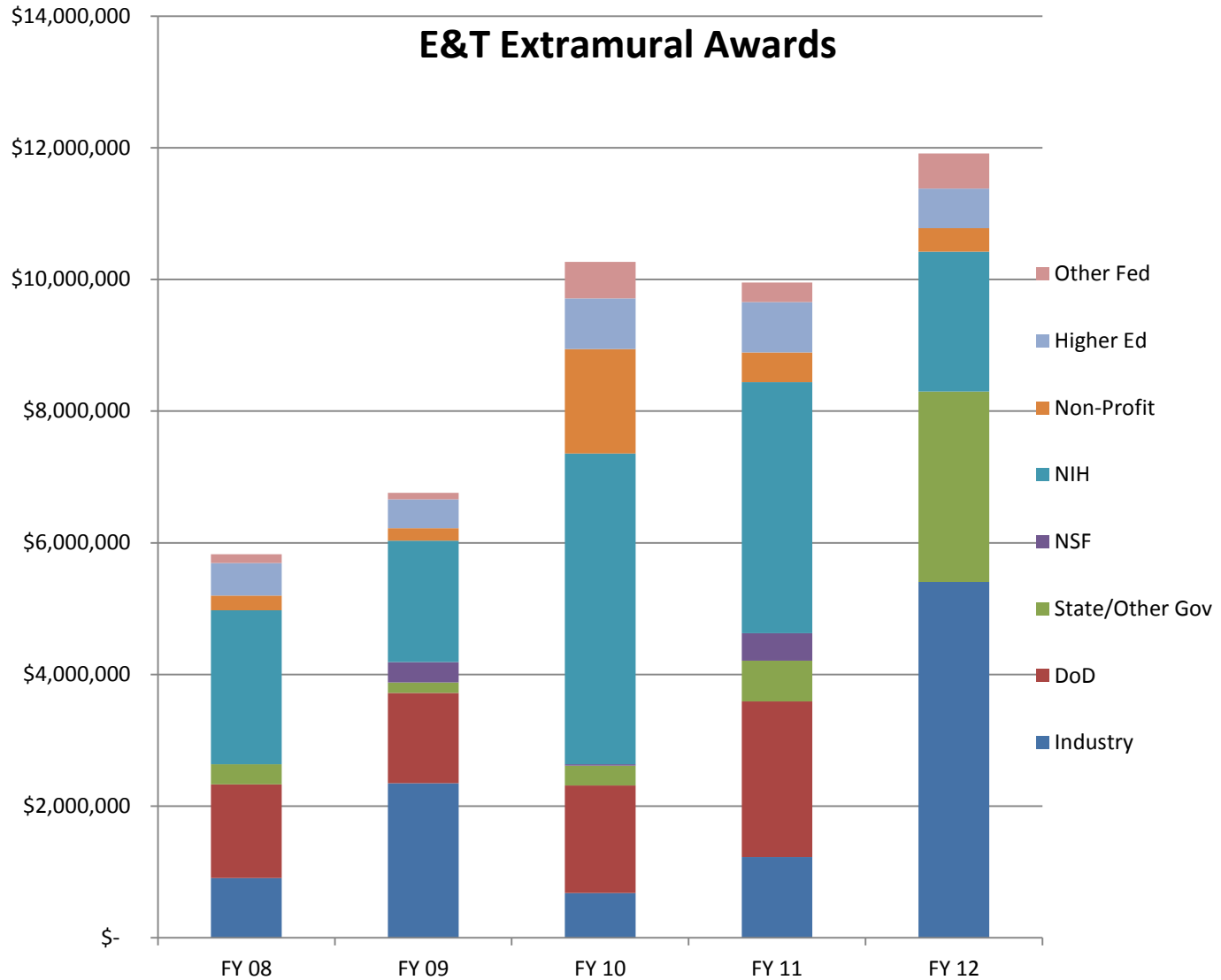


E&T MS Degrees

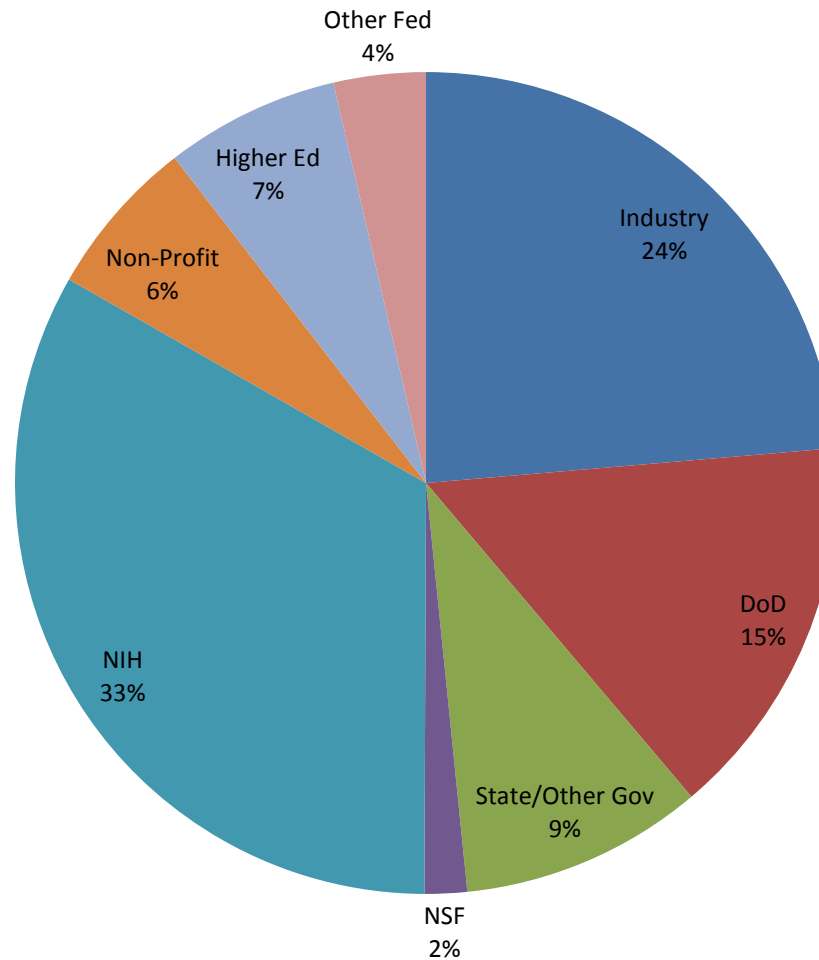


E&T Credit Hours (Undergraduate + Graduate) By Program





E&T Extramural Awards Last 5 Years \$44.72M



Enrollment Projection Challenges

- Upcoming 30-hour common core mandate
 - how will it impact E&T's service offerings (MAT, OLS, TCM)?
- Upcoming 120-hour mandate
 - impacts engineering technology programs, as the majority of those programs reduced hours to meet the mandate
 - engineering programs followed PUWL's lead to seek exceptions

Research Projection Challenges

- What will be the impact of reductions at the Federal level?
 - E&T has accumulated some 'cash' to provide continuity funding to bridge the gaps in reduced federal funding for those with a strong track record of external funding from federal sources and whose programs continue to be in areas of national need and high priority

Some Opportunities

- Grow BME
 - BME is the largest undergraduate program at Georgia Tech yet it is our smallest engineering program despite our health and life sciences campus designation
- Continue to grow graduate programs, including value-added corporate programs
- Reverse enrollment trend in undergraduate engineering technology programs through enhanced recruitment and retention efforts
- Increase enrollment from partnerships with other academic institutions, e.g., SYSU ('2+2', '2+3' programs), Butler, Marian, etc.
- ...

Some Opportunities

- Continue to support research foci that build upon faculty talent, established track records, and prior investments. For example,
 - Continue to partner with other Schools on multidisciplinary funding opportunities that leverage the IUPUI health and life sciences designation and resources by strengthening capabilities in biomaterials, biomechanics, cardiovascular engineering, nanotechnology, and health-related information technology.
 - Strengthen Indiana's long tradition of being a leader in automotive manufacturing and assembly by enhancing automotive research capabilities, including automotive-safety research through the Transportation Active Safety Institute (TASI) and advanced manufacturing engineering and technology expertise.
 - Support research and development broadly in information technology, including: i) innovative online learning software through the Cyberlab; ii) information assurance; and iii) intelligent sensing and imaging.

Some Opportunities

- Continue to support the School's research incentive plan to reward faculty members with incentive pay up to 20% of the amount of base salary 'recovered' from extramural funding sources.
- Continue to maintain adequate cash reserves to provide sufficient funds for cost share for research proposals that require it.
- Use cash reserves to renovate space to better support those initiatives that have successfully secured external funding and who have strong promise to build upon their success (e.g., the Industrial Energy Assessment Center funded by the Department of Energy, TASI supported by Toyota, etc.).
- Maintain or increase (through reallocation) departmental base budget support for graduate assistantships, including maintaining the non-resident tuition remission policy for fully funded graduate assistants, which was recently established.
- Aggressively respond via counter offers to retain the School's most productive researchers.
- Continue mentoring faculty members in sponsor-focused interest groups, in which investigators provide feedback to each other to improve the quality of subsequent proposals and win grants at higher rates.

IUPUI

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AND TECHNOLOGY

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