Key Performance Indicators:

1. Alumni Survey Results

Alumni are surveyed 6 to 12 months after graduation regarding job placement. Results for the past six years are shown in the figure below. The data shows that the Industrial Engineering Technology alumni are satisfied with the program and feel like they were well prepared for the job market. Furthermore, the alumni feel they have acquired mastery of the six program educational outcomes.

![Satisfaction Ratings on Achievement of IET Program Educational Outcomes](image)

The program educational outcomes are broad statements that describe what Industrial Engineering Technology graduates are expected to accomplish within a few years of graduation.

The Engineering Technology department at Missouri Southern will produce graduates who

1. have an appropriate mastery of the knowledge, techniques, skills, and modern tools of engineering technology. [ABET a]
2. have the ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering, and technology. [ABET b]
3. are able to identify and analyze problems and design effective engineering technology based solutions. [ABET c, d, f]
4. contribute professionally by functioning effectively on teams. [ABET e]
5. communicate effectively with professionals and lay audiences. [ABET g]
6. have an understanding for the discipline of engineering technology and its role in a societal and global context. [ABET h, i, j, k]
Key Performance Indicators:

2. Employer Survey Results

Employers of IET graduates are surveyed approximately one year after graduation. Results over the past five years are shown in the figure below. The data shows that the employers who hire IET graduates are satisfied with them in terms of the program educational outcomes. Employers include John Deere, Eagle Picher Technologies, Ducommun Inc, Efco, Empire District, Justin Brands, Schaeffler Group, KMT Waterjet Systems, Precision Aerospace, and Modine Mfg.

![Employer Survey Results for IET Graduates after 1 year of employment](chart)

Data Source: 1 year Employer Survey

PEO = Program Educational Outcome

11/12: n=4; 12/13: n=3; 13/14: n=3; 14/15: n=6
Key Performance Indicators:

3. Placement Data for IET Graduates

Alumni are surveyed 6 to 12 months after graduation regarding job placement. Results for the past five years regarding placement rates are shown in the figure below. The data shows that 100% of Industrial Engineering Technology graduates who sought employment were employed in their field or pursued further education during four out of the last five years. One year (12/13), a student accepted a position not associated with the field of Industrial Engineering (he opened his own business).
4. Salary Data

Alumni are surveyed 6 to 12 months after graduation regarding job placement. Results for the past five years regarding salaries are shown in the figure below. The data shows that the average starting salaries for IET graduates has been between $53,734 and $59,620.
Key Performance Indicators:

5. End-of Semester Student Evaluations of Instructors

Students evaluate courses they take at semester end. Results for end-of-semester evaluations are shown in the figure below. The data show that on average, Industrial Engineering Technology students rate their instructors in the major courses between good and very good.

6. Enrollment Data

Student numbers for Industrial Engineering Technology majors are shown in the table below.
Key Performance Indicators:

7. Typical Activities of 1st Year Alumni

The department surveys 1st year alumni about activities associated with the Program Educational Outcomes and certain software applications. Alumni report how often they experience those activities (daily, weekly, monthly, once/year, never). The results from 27 alumni over the past four years are shown below.

Most IET alumni will use MS Excel, written communication, team participation, seeking out information on their own, applying problem solving and technical knowledge either daily or at least once per week.

![Activities that IET 1st year alumni perform much of the time (at least daily or weekly) 10/11 - 14/15 graduates](chart)