



Operational Excellence and Assessment Support

Academic Learning Compacts

College of Engineering and Computer Science Academic Learning Compacts

Industrial Engineering - B.S.I.E.

Discipline Specific Knowledge, Skills, Behavior and Values

1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
This Outcome is aligned with the University's Strategic Goal 5 (Be America's leading partnership University).
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.
2. Students will make responsible decisions and exhibit integrity and ethics in classroom and real world project.
This Outcome is aligned with the University's Strategic Goal 1 (Offer the best undergraduate education available in Florida) and Strategic Goal 5 (Be America's leading partnership University).
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
This Outcome is aligned with the University's Strategic Goal 5 (Be America's leading partnership University).
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.
4. Students will effectively utilize Industrial Engineering design problem-solving skills in classroom and real world projects.
This Outcome is aligned with the University's Strategic Goal 5 (Be America's leading partnership University).
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.
5. Students will incorporate contemporary issues into the practice of Industrial Engineering.
This Outcome is aligned with the University's Strategic Goal 1 (Offer the best undergraduate education available in Florida).
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.

- 6. Students will be able to measure the impact of global and societal issues on Industrial Engineering solutions to modern practical problems.
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.**
- 7. Students will utilize tools and techniques of Industrial Engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.
This Outcome is aligned with the University's Strategic Goal 1 (Offer the best undergraduate education available in Florida).
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.**
- 8. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.**

Critical Thinking

- 1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
This Outcome is aligned with the University's Strategic Goal 5 (Be America's leading partnership University).
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.**
- 2. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
This Outcome is aligned with the University's Strategic Goal 5 (Be America's leading partnership University).
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.**
- 3. Students will effectively utilize Industrial Engineering design problem-solving skills in classroom and real world projects.
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We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.**
- 4. Students will incorporate contemporary issues into the practice of Industrial Engineering.
This Outcome is aligned with the University's Strategic Goal 1 (Offer the best undergraduate education available in Florida).
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.**
- 5. Students will be able to measure the impact of global and societal issues**

on Industrial Engineering solutions to modern practical problems.
We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.

6. Students will utilize tools and techniques of Industrial Engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.

This Outcome is aligned with the University's Strategic Goal 1 (Offer the best undergraduate education available in Florida).

We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.

Communication

1. Students will make responsible decisions and exhibit integrity and ethics in classroom and real world project.

This Outcome is aligned with the University's Strategic Goal 1 (Offer the best undergraduate education available in Florida) and Strategic Goal 5 (Be America's leading partnership University).

We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.

2. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.

This Outcome is aligned with the University's Strategic Goal 5 (Be America's leading partnership University).

We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.

3. Students will effectively utilize Industrial Engineering design problem-solving skills in classroom and real world projects.

This Outcome is aligned with the University's Strategic Goal 5 (Be America's leading partnership University).

We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.

4. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.

This outcome is aligned with the University's Strategic Goal 1 (Offer the best undergraduate education available in Florida), and Strategic Goal 5 (Be America's leading partnership University).

We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.

5. Students will be able to work with persons of varied backgrounds in classroom and real world projects.

This Outcome is aligned with the University's Strategic Goal 1 (Offer the best undergraduate education available in Florida) and Strategic Goal 5 (Be

America's leading partnership University).

We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.

6. Students will incorporate contemporary issues into the practice of Industrial Engineering.

This Outcome is aligned with the University's Strategic Goal 1 (Offer the best undergraduate education available in Florida).

We will measure students from partner programs (i.e. USIL) independently and collectively should partner programs get finalized.

Assessment of Industrial Engineering - B.S.I.E. Outcomes

These outcomes will be assessed using a variety of assessment methods, including:

- Data for the assessment will be collected from surveys (graduating students, alumni, industry), selected courses, external mentor and peer reviews, Fundamentals of Engineering exam subject scores, and student participation in research projects.