## **NDSE 405: Industrial Engineering Internship (3 credits)**

The purpose of the internship is to expose students to the profession and give them an opportunity to apply their academic knowledge in a practical setting. The internship consists of a minimum of 280 work hours (8 weeks) for fourth-year students with an approved employer. Internships are evaluated by the internship coordinator with a pass/fail grade.

***Prerequisites:*** *Senior standing (completing 90 credits), CGPA 2.0*

**Course Learning Outcomes:**

By the end of the course, students will be able to:

A1. Demonstrate critical knowledge and understanding of Industrial Engineering theories concepts, and issues encountered during the internship.

A2. Apply theoretical concepts and knowledge gained in the Industrial Engineering program to solve practical problems encountered in the workplace.

B1. Analyze complex Industrial Engineering problems encountered in the workplace.

B2. Make informed decisions for Industrial Engineering projects and tasks through the application of numeracy skills.

B3. Communicate effectively and professionally with team members, supervisors, and stakeholders in written and oral forms, utilizing appropriate ICT tools and platforms.

C1. Demonstrate autonomy and responsibility by taking ownership of assigned tasks, managing time effectively, and working independently as well as collaboratively within a team.

C2. Evaluate and reflect upon personal learning experiences during the internship.

C3. Exhibit ethical behavior and responsibility in the workplace,

considering the impact of decisions on the organization, clients, and society.

**Course Learning Materials:**

* + NA

**Course Content:**

1. Field Work
2. Bi-Weekly Reports
3. Site Visit (Academic Advisor)
4. Final Report and Presentation
5. Supervisor Report