**Outcome:** Students will demonstrate their professionalism, teamwork, communications and presentation skill by completing a Capstone Project in conjunction with one of ICC’s industrial partners. The student team will lead and be responsible for the project management, meetings, scope, documentation and project execution with guidance from the program instructor(s).

This course and competency requirement are completed in conjunction with course ENGT-2320 Technical IV.

**Lecture:**

1. Introduction to the industry partner and high-level project overview.
2. Safety
   1. Students will successfully complete the industry partner’s employee safety program.
3. Introduction to MS Schedular© and Project*Libre©* scheduling software programs.

**Demo(s):**

Process Operations Computer Lab.

1. MS Schedular©
2. Project*Libre*©

Partner’s Facility

Initial site visit and tour.

**Homework:**

1. Completion of the Capstone Project, associated documentation and final presentation, e.g.
   1. Meeting agendas
   2. Information required from stakeholders
   3. The scope of work document
   4. Schedules & Milestones
   5. Information required from others
   6. Division of responsibilities and coordination
   7. Budgeting
   8. Project justification and benefits
   9. Project completion and final stakeholder presentation
   10. Others?

**Assessment:**

1. 100% Compliance with industry partner’s safety program.
2. Compliance with industry partner’s work procedures and permitting requirements.
3. Industry partner’s project evaluation and feedback.
4. Percent of the project completed within the allotted timeframe.
5. Instructors’ observation of the individuals professional and technical performance, e.g.
   1. Teamwork
   2. Quality
   3. Creativity
   4. Problem Solving
   5. Leadership
   6. Communication
   7. Project Management
   8. Presentation