



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

ENGRTEC Capstone I

ENGRTEC 4900

Credit Hours:

3.00

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Course Description:

This course is designed to provide students the opportunity to test their level of acquired knowledge, experience, and leadership in an actual, well-defined customer project environment. Students will be provided an assigned project of interest, work in project teams, interacting with an engineering client leadership/people, to define, design, test and implement an actual working product, service.

Prerequisites and Co-requisites:

Pre req 3800

Course Goals / Objectives:

- Appreciate the need to apply practical experience in solving real-world system engineering problems.
 - Understand how to apply judgement in scoping and risk managing of projects.
 - Understand the need to learn how to effectively engage and consult with industry clients to deliver a solution(s), satisfying business, operations, and technology needs
 - Apply relevant BSET knowledge from course material, other applicable courses, and work experience to a team setting
 - Discern the need to further develop leadership, project management, professional writing and presentation skills
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Course Topics:

- Capstone process and expectations
 - Strategies for success
 - Client consulting and relationship building
 - Professional skill development
 - Presentations
 - Leadership and teamwork
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Designation:

Required