

# Engr 451: General Engineering Senior Design I

## [School of Engineering](#)

Introduction to the engineering design process, guiding students through the various stages from initial planning to the development of conceptual designs, emphasizing skills such as requirements analysis and the cultivation of a systems thinking mindset to develop a holistic approach to engineering challenges. Part 1 of a two-semester sequence.

2 Credits

### Prerequisites

- [Econ 310: Engineering Economy](#) (Minimum grade: C-)
- [Engr 431: Fundamentals of Systems Engineering](#) (Minimum grade: C-)
- [Engr 321: Thermodynamics](#) (Minimum grade: C-)

### Instruction Type(s)

- Lecture: Lecture for Engr 451

### Subject Areas

- [Engineering, General](#)

