**Systems Engineering and Design**

**SE 494  Senior Engineering Project I**  credit: 3 hours.

Senior engineering project - team component. Student teams of three or four, guided by faculty advisors, develop solutions to real-world engineering problems provided by industry-partnering companies, subject to realistic constraints and supported by economic analyses and recommendations for implementation. Prototype solutions fabricated where practical. Multiple reports and presentations throughout the term. Several trips to company typical. Common project grade for all team members. SE 494 and SE 495 taken concurrently fulfill the Advanced Composition Requirement. Approval of the department is required to register. 3 undergraduate hours. No graduate credit. Prerequisite: SE 261, SE 390 and; SE 311, IE 300, IE 310, and TAM 335; or IE 310, IE 311, and IE Technical Elective; credit or concurrent registration in a SE Design Elective and IE Engineering Science Elective. Must enroll concurrently in SE 495.

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This course satisfies the General Education Criteria for a:
Advanced Composition

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<th>Section</th>
<th>Time</th>
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Credit Hours: 3 hours
Advanced Composition course.
Departmental Approval Required
Restricted to General Engineering or Industrial Engineering or Systems Engineering and Design major(s). Restricted to students with Senior class standing.
Course is restricted to seniors whose UIN ends in an even number. To petition a change in this registration, see staff in 104 TB. No drops are allowed beyond the first day of classes. Students with unauthorized drop will not be allowed to register for the course in the following semester. Must be concurrently enrolled in SE 495.
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