

Honors Seminar: Engineering

In the Engineering Honors Seminar students engage in a semester-long, self-directed engineering research project that they choose based on current research findings. Students develop a Research Plan which includes thorough details on how to design, build, and test an initial prototype following the engineering design process. They continue to improve upon their initial design with several iterations of their prototype, documenting their progress and setbacks along the way.

Current and past Honors in Engineering projects include students' interest in acoustics, sports, aerospace, computer model simulations, haptic feedback, mechanical testing, medical telerobotics, and assistance for the visually impaired.

Honors in Engineering students write a comprehensive research paper and present their work to a panel of faculty in order to receive Honors. They must also develop a poster that is used to present their work at the Culver Science and Engineering Fair. Honors in Engineering students will have the opportunity to participate in other Regeneron International Science and Engineering Fair (ISEF) affiliated fairs.