



UH Manoa Honors Program

Honors in Engineering

Would you like to turn your required senior or capstone project into a Senior Honors Project? The Honors Program would very much like to recruit talented and motivated engineers willing to put in a little more effort in order to graduate with a BS Honors degree.

Civil and Environmental Engineering requires a three-credit Senior Design Project (CEE 490); Electrical Engineering requires a variable-credit Capstone Design Project (EE 496); and Mechanical Engineering requires a 6-credit Design Project (ME 481 and ME 482).

These courses can be extended into an Honors Senior Project, conducted in HON 496, which requires six credits. If you choose to do the Honors thesis, this means you can earn an Honors degree as you develop a more in-depth research program and produce a better product, which will stand you in good stead as you seek employment or apply for graduate school.

Engineering students often work on their senior projects in teams, in which case the Honors student and faculty adviser might submit a proposal detailing individual work beyond the team effort that would make the project eligible for consideration by the Honors Council as part of the individual student's candidacy for a degree with Honors.

Requirements for the Honors Program

HON 491, *Junior seminar* (3 credits, W focus). This is a multi-disciplinary seminar that satisfies the Honors Program breadth requirements. In some cases this may be waived if the student has complete Study Abroad or another equivalent broadening experience.

HON 495, *Introduction to Research* (3 credits, W and O focus). In this seminar/workshop students develop a proposal, which includes specification of a research question, a literature review, methodology and bibliography. The proposal is presented in a public conference in both oral and poster format.

HON 496, *Senior Honors Project* (6 credits, three of which are W focus). This is not a class, but credit for work done independently under supervision of a faculty mentor over two semesters (one of which may be in summer). The *first semester* generally focuses on data collection and the second of data analysis as well as writing and revising the manuscript. The final project is presented in a public conference in both oral and poster format.

Note: CEE 490, EE 496 and ME 481/482 can be substituted for either HON 495 or first semester of HON 496, depending on content and individual need.

For more information and application materials please refer to the Honors Program website, or call or email the Honors Program office:

www.honors.hawaii.edu; 956-8391; honors@hawaii.edu