Honors students who are majoring in Electrical Engineering are required to take MTH 281, Multivariable Calculus, instead of MTH 283, Multivariable Calculus for Engineers. However, students who have taken MTH 283 before admission to the honors program are not required to take MTH 281.

ECE honors students are required to take a minimum of 16 credit hours of upper division (300 and 400 level) honors courses in the ECE Department. General guidelines for these credit hours are given below. However, the specific courses that each student takes will be agreed upon by the student, the department's undergraduate advisor, and the student's honors advisor. The student's regular undergraduate advisor is responsible for finding an honors advisor who is mutually agreeable to the undergraduate advisor, the honors advisor, and the honors student.

Honors Courses

The honors credits (16 hours minimum) will be taken from the following:

- *Honors Thesis* (required) (EEC 499H, credit as arranged). Each honors student conducts research and writes a thesis under the supervision of an ECE faculty member.
- The following honors courses are optional:
    - *Honors Research* (EEC 495H, credit as arranged). This is research conducted jointly with an ECE faculty, similar to an independent study. This can be repeated for credit.
    - *Graduate Course* - Any 500-level ECE graduate course for which the student has the prerequisites.
    - *Junior Honors, Senior Honors* - Any 300-level or 400-level ECE course can be modified to become an honors course. This is referred to by the Honors Program as a "contract course." This is done with the collaboration of the undergraduate advisor, the honors advisor, and the course instructor.

Replaced Credit Hours

Honors credits can be used to replace a maximum of 20 credit hours of normally required courses. For BEE students, the replaced credits can include any 400-level EEC course except for Senior Design (EEC 490). For BCE students, the replaced credits can include any 400-level EEC course except for Senior Design (EEC 490) and Computer Organization (EEC 483).