

**Integrated Curriculum Committee Consent Calendar**  
**April 11, 2023**

[Mechanical Engineering, B.S. - Change Core Requirements - 22-1836](#). Program change proposal consists of the following 4 elements:

- 1) Not require CHEM 110 (General Chemistry 2). This is an unusual course to require in mechanical engineering and is well above the ABET requirements for basic science. This will allow for requiring a Machine Design course which will better emphasize mechanical systems in the curriculum.
- 2) Require ENGR 465 - Machine Design. For more emphasis on mechanical systems in the mechanical engineering curriculum.
- 3) Change the capstone requirements from the one-semester ENGR 492 to a two-semester sequence [ENGR 492B](#) and [ENGR 492CW](#) (see new course proposals below).
- 4) Require one of the upper division design electives to be in a Mechanical Core area. This is a smaller subset of design electives (still a choice of 5 courses) and will ensure that graduates have additional depth in a typical mechanical engineering area.

[ENGR - 492B - 22-1837 - New Course - Mechanical Engineering Capstone Design I](#) (2 units). This course adds a semester to the engineering capstone, specifically for mechanical engineering students, allowing them time to design, prototype, and implement. This is consistent with capstone experiences in other mechanical engineering programs and the emphasis and strength that we hope to develop in the program at Humboldt. **Description:** "First semester capstone course including background research, and design development for a final capstone project. Should be taken in the last year of the major."

[ENGR - 492CW - 22-1760 - New Course - Mechanical Engineering Capstone Design II](#) (3 units). This course adds a semester to the Mechanical Engineering capstone allowing the students time to prototype and implement designs. This is consistent with capstone experiences in other mechanical engineering programs and the emphasis and strength that we hope to develop in the program at Humboldt. The course is also designated as a GWAR-completing course. **Description:** "Final capstone course including design & implementation of the solution developed in ENGR 492B - Mechanical Engineering Capstone Design I. Should be taken in the last year of the major, preferably in the final semester."

[FISH - 314 - 22-1753 - Course Change - Fishery Science Communication](#). This proposal designates FISH 314 as fulfilling the GWAR requirement.

[MUS - 305 - 22-1797 - Course Change - Jazz: An American Art Form](#). This proposal designates MUS 305 as fulfilling the DCG-domestic requirement (the history of jazz is largely a history of issues of discrimination in America). Additionally, the course is re-certified as UD Area C course at the same time.

[SW - 382 - 22-1839 - Social Work Research](#). GWAR designation and addition of the co-requisites of SW 340 and SW 350.