

Double Majors in Engineering

Effective May 12, 2022

The School of Engineering does not recommend that Maritime College Bachelor of Engineering students pursue a second major. Experience indicates that students are better served by studying a secondary field of engineering at the Master's level. This is true both in terms of the level of discipline-specific knowledge gained, as well as by the professional advantages accrued by pursuing post-graduate studies.

A preferred option at the undergraduate level is pursuit of a minor program offered by the college. This will expand the student's knowledge beyond engineering, providing a broader background for professional and personal advancement. It is also recommended that students begin the process of becoming a licensed Professional Engineer (P.E.) by taking the Fundamentals of Engineering (FE) Exam during their undergraduate years.

If a B.E. student is nevertheless determined to seek a second major in Engineering, approval must be sought and granted by the chair of the student's home engineering department, as well as the chair (or curriculum leader) of department housing the secondary program, as well as the Dean of Engineering. The following criteria must be satisfied:

1. Combination of any two of the following majors will NOT be approved: Facilities, Marine, Mechanical Engineering.
2. A student requesting a second major must be currently on-track in their primary program and demonstrate adequate academic potential to perform well while pursuing a second major.
3. The student must generate a detailed, semester-by-semester plan to complete the coursework for the primary and secondary major within a reasonable timeframe, while remaining on track in the primary major program.
4. Coursework for the second major must include all major-specific upper-division courses, including the Capstone design sequence. Capstone courses for two majors may NOT be taken simultaneously, and all prerequisites must be satisfied. Where course content overlaps, the course with the more advanced content must be taken (e.g. if ENGR 380 and ENGR 395 are required by two programs, the student must take the latter).
5. Completion of a second option (License or Internship) is not required. For Intern Option students, undertaking one internship in each of the two majors is recommended, but not required.

Other criteria may be considered due to the unique nature of each student's academic history, and discretion for granting a double major in engineering rests solely with the School of Engineering.