The department offers the following graduate programs for full-time and part-time students:

- **Master of Science (M.S.)**
  - with thesis in Mechanical Engineering. This program focuses on engineering science in one of several areas of specialization. A formally defended thesis describing research into a topic of current academic interest is the centerpiece of this program.
  - without thesis in Mechanical Engineering. The focus of the non-thesis program can be varied between engineering science and engineering practice through a selection of elective courses from the Colleges of Engineering, Natural Science and Mathematics, Business, and Law.

- **Master of Science in Subsea Engineering** is a non-thesis, 10-course graduate curriculum.

- **Dual M.S. Degree in Mechanical and Aerospace Engineering**
The dual degree program allows students to obtain both a master’s degree in Mechanical Engineering and a master’s degree in Aerospace Engineering completing 45 credit hours of relevant graduate coursework.

- **Dual M.S. Degree in Aerospace Engineering and Space Architecture**
  A dual degree program that allows students to obtain both a master’s degree in aerospace engineering and a master’s degree in space architecture by completing 46 credit hours of relevant graduate coursework.

- **Doctor of Philosophy (Ph.D.) in Mechanical Engineering** in several areas of specialization. The Ph.D. is the highest degree granted by the University and its possession signifies that the holder has demonstrated the ability to perform original research. The student's principal objective is to produce a dissertation that can be considered a significant contribution to the field of knowledge in mechanical engineering. Our standard Ph.D. program assumes a completed M.S. degree prior to admission. Our Direct Admit program allows the exceptional student to be admitted to doctoral candidacy without a completed M.S. degree.