

ENGINEERING TECHNOLOGY

The mission of the Engineering Technology department is to educate students who will become professionals within the maritime, facilities engineering, and power generation industries. This department emphasizes learn by doing through its extensive laboratories, simulators, and time at sea, which strongly support the foundational engineering coursework. Graduates will have already completed professional experiences prior to graduation and will be Day One-ready going into industry.

The Department of Engineering Technology offers two Bachelor of Science degree programs: Facilities Engineering Technology (FET) and Marine Engineering Technology (MET).

Both programs provide practical experience operating power generation equipment and develop proficiency in large-scale industrial and grid-level systems, including power distribution, energy storage, and management.

The FET program provides an undergraduate education for careers in large-scale facilities such as commercial buildings, power plants, and manufacturing plants. FET graduates must complete three practical training experiences: one sea training period aboard Training Ship *Golden Bear* and two industry co-operative education opportunities.

The MET program provides an undergraduate education for careers both at sea, aboard commercial and military vessels, and on land in ports, shipyards, and energy production. MET graduates must complete three practical training experiences at sea: two sea training periods aboard Training Ship *Golden Bear* and one sea training period aboard a military or commercial vessel. MET graduates earn a U.S. Coast Guard Third Assistant Engineer license, which qualifies them for careers aboard commercial and military vessels worldwide, as part of their degree program. Graduation from the MET program requires satisfactory completion of a qualifying examination administered by the U.S. Coast Guard to become a Third Assistant Engineer, Steam and Motor Vessels, Unlimited Horsepower.

Undergraduate Programs

- Facilities Engineering Technology (BS) (<https://catalog.calpoly.edu/engineering/engineering-technology/facilities-engineering-technology-bs/>)
- Marine Engineering Technology (BS) (<https://catalog.calpoly.edu/engineering/engineering-technology/marine-engineering-technology-bs/>)

Graduate Programs

- Emergency Management Certificate (<https://catalog.calpoly.edu/engineering/engineering-technology/emergency-management-certificate/>)
- Transportation and Engineering Management (MS) (<https://catalog.calpoly.edu/engineering/engineering-technology/transportation-engineering-management-ms/>)