

MANUFACTURING ENGINEERING

Building 192, Room 223 • 805-756-2341 • ime.calpoly.edu

PROGRAM DESCRIPTION

Manufacturing engineering applies engineering analysis and methods to design and improve the production of all manufactured goods and related services. The manufacturing engineer plans, develops and optimizes the processes of production, including manufacturing methods and the design of tools and equipment for manufacturing. The emphasis is on both development and sustained operation of manufacturing systems, including computer-aided methods, automation, design for manufacture, production tooling and material handling, as well as the processes and support systems of modern manufacturing.

OUR MISSION

To inspire and educate students for successful careers as engineering professionals using a Learn by Doing approach that develops students' abilities to design and implement innovative, effective solutions for improving processes and systems in society, business and industry.

93 undergraduate students

enrolled in manufacturing engineering 25 graduate students

enrolled in the blended B.S. and M.S. engineering management program



U.S. News and World Report ranked Cal Poly industrial/manufacturing engineering as the No. 1 (BEST) undergraduate program in the nation among all non-Ph.D.granting universities in 2020.

ASSOCIATED CLUBS

- Engineers Without Borders ewb.calpoly.edu
- QL+ (Quality of Life Plus) qlplus.calpoly.edu
- ASME Human Powered Vehicle (HPV) hpv.calpoly.edu
- **PROVE Lab** provelab.com
- Society of Automotive Engineers (SAE) calpolyracing.org
- Society of Manufacturing Engineers sme.org
- Society of Women Engineers swe.calpoly.edu
- **Supermileage** supermileage.calpoly.edu

MANUFACTURING ENGINEERING GRADUATES

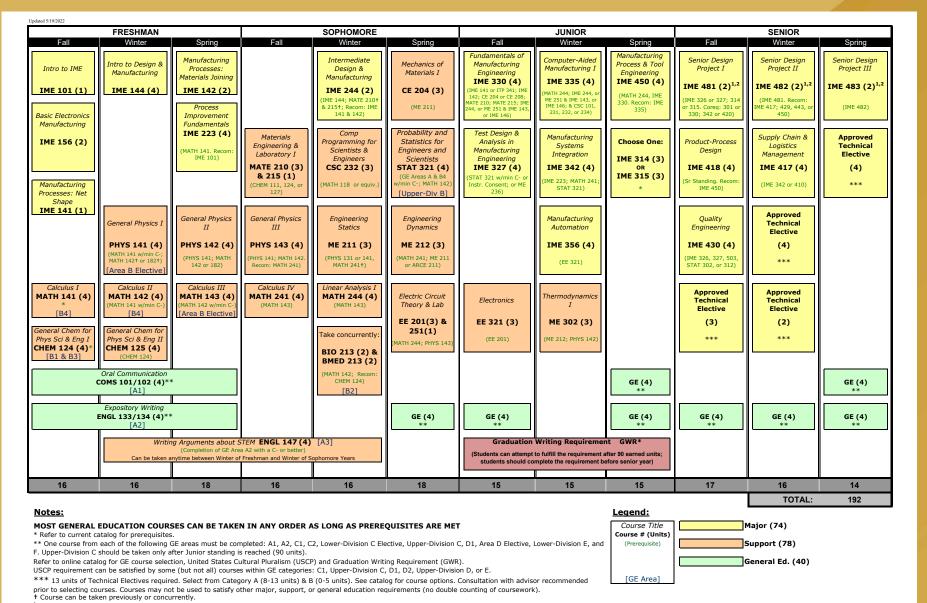
A Cal Poly manufacturing engineering degree opens the door to many attractive career options in numerous industries. Beyond manufacturing and production management, Cal Poly graduates may also be responsible for inventory control, quality management and control, material flow, cost analysis, procurement and supply chain management. Many of our graduates also go on to successful graduate study programs.





B.S. IN MANUFACTURING ENGINEERING

Suggested Four-year Academic Flowchart • 2022-2026 Catalog



¹ ENGR 459, ENGR 460, and ENGR 461 (6 units) may substitute for IME 481, IME 482, and IME 483 (6).

² ENGR 463, ENGR 464, and ENGR 465 (6 units) may substitute for IME 481, IME 482, and IME 483 (6).