MASTER OF SCIENCE IN ENGINEERING MANAGEMENT (EMT)

YOU'VE MASTERED THE TECHNICAL. NOW LEAD THE ENTERPRISE.



A 10-course graduate degree that pairs advanced engineering management with business, analytics, and finance, built for working engineers ready to move into project, operations, and leadership roles.

$137K–$200K
Typical annual base pay range for engineering managers in the U.S.
Source: Glassdoor

#2
Top Public School in the West
U.S. News & World Report 2025

10
Courses to earn your M.S. (30 semester units)

Evenings
Hybrid format · Fall and Spring admissions

ABOUT THE PROGRAM

From Technical Expert to Engineering Leader

Cal Poly Pomona's Master of Science in Engineering Management (EMT) gives engineers advanced, multidisciplinary training in manufacturing, production and operations management, business, and finance. Most students work full-time and study part-time, building a course of study tailored to their talents and career goals. The program culminates in an engineering management research experience that addresses real student and industry needs.

Built for working engineers

Evening, hybrid classes, one night per course each week.

Engineering + business

Four engineering management and four business courses in one degree.

Applied to real problems

Finish with a thesis or project, including teams sponsored by industry partners.

CURRICULUM OVERVIEW

10 Courses · 30 Semester Units

COURSE	TITLE	WHAT IT BUILDS
Engineering Management Core: choose 4 (12 units)		
EMT 5380	Advanced Engineering Economy	Financial logic behind capital, project, and replacement decisions
EMT 5390	Advanced Human Factors in Engineering Design	Designing systems and workplaces around people, safety, and performance
EMT 5490	Advanced Methods in Operations Research	Optimization and decision models for complex operations
EMT 5720	Total Quality Management in Engineering	Quality systems, continuous improvement, and process control
EMT 5730	Operations and Supply Chain Management	Planning, sourcing, and logistics across the value chain
EMT 5740	Advanced Facilities Planning	Layout, capacity, and material-flow design for facilities
Business Core: choose 4 (12 units)		
EMT 5140	Statistics Essentials for Business Analytics	Data-driven decision making with statistical tools
EMT 5620	Strategic Human Resources Management	Leading, developing, and retaining technical teams
EMT 6050	Business Data Analytics and Modeling	Turning operational data into models and insight
EMT 6080	Accounting and Managerial Decisions	Reading financials and using cost data to manage
EMT 6360	Project Management	Scope, schedule, cost, and risk for engineering projects
Elective (3 units) · Culminating Experience (3 units)		
Elective	One additional EMT core course	Any engineering management course above not already taken
EGR 6960 or EMT 6950	Master's Thesis or Master's Project	An applied research experience, individually or with an industry-sponsored team

Course list per the Cal Poly Pomona 2026–27 University Catalog. A GPA of 3.0 or better must be maintained.

CULMINATING EXPERIENCE

Put It to Work on a Real Problem

Every student completes a faculty-mentored engineering management research experience. Choose a **master's thesis** on an individual research topic, or a **master's project**, including team projects sponsored by the program's industry partners, and leave with work you can show employers.

PROGRAM FORMAT AND SCHEDULE

Designed Around Your Job

- **Format:** hybrid, in-person evening sessions plus online coursework
- **Schedule:** classes Monday–Friday, 6:00–8:50 PM; each course meets one evening per week
- **Pace:** most students finish in about two years while working full-time
- **Start:** Fall and Spring admissions

TUITION AND FINANCIAL AID

Affordable CSU Tuition

The EMT program is offered at California State University graduate tuition rates. See current rates on the CPP **Graduate Tuition & Fees** page. Federal graduate loans and aid are available through the Office of Financial Aid & Scholarships.

Ask about employer tuition benefits

Many employers offer tuition assistance, and up to $5,250 per year of employer education assistance can be tax-free under IRS Section 127. Check with your HR or benefits office.

ADMISSIONS REQUIREMENTS

Who Should Apply

To be admitted

- A bachelor's degree in engineering or engineering technology from an ABET-accredited program
- A GPA of at least 3.0 in upper-division math, science, and engineering courses
- Apply online through Cal State Apply

Good to know

- GRE not required if your degree was earned within the last five years (otherwise a GRE of 306+, Quantitative + Verbal)
- Engineering technology graduates may need preparatory courses
- International applicants: GRE and TOEFL (if applicable) required; see CPP International Graduate Requirements

Requirements summarized from the Cal Poly Pomona University Catalog. For current application deadlines, visit CPP's Graduate Program Deadlines page.

CAREER OUTCOMES

Where EMT Graduates Lead

- Engineering Manager
- Project / Program Manager
- Operations Manager
- Quality Manager
- Supply Chain Manager
- Founder / Entrepreneur

Our alumni work at Applied Medical, Johnson & Johnson MedTech, Northrop Grumman, SoCalGas, Primo Brands, and PSG (a Dover company), among others.



"Looking back, I'm really glad I chose Cal Poly Pomona for my Master's in Engineering Management. The program helped me look beyond the technical side of engineering and understand how leadership, business, and decision-making come together. That perspective has stayed with me throughout my career, from managing engineering projects to taking the leap to build my own business."

Mohammad Kiani, Class of 2018
Founder, Serava · Project Controls Specialist, SoCalGas

QUESTIONS? CONTACT THE PROGRAM DIRECTLY



Dr. Shokoufeh Mirzaei

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