UC Irvine’s MSEM program offers the following benefits:

- Gain cutting-edge engineering skills and experience—proven, real-world business practices
- Lead cross-functional teams and successfully bring innovative projects to market
- Experience an intensive week-long, off-campus management and leadership course with MBA students
- Work with a team and consult with a biotechnology company to solve a real management problem
- Obtain career planning information and practical skills for long-term career success

Life in the O.C.

The Land of Beaches, Business and Big Ideas

Irvine is strategically located in the heart of Orange County, the second largest county in the state. It’s also at the center of the greater Southern California Tech Coast, with Irvine being the primary breeding ground for at-the-rise businesses and start-ups—measuring fashion, medical, fashion, real estate, finance and auto design. Innovative companies, such as Allergan, Abbott Medical Optics, Boeing, Kratos Technology, IBM, Sony, Toyota and Verizon Wireless are all just minutes away from UC Irvine.

The University of California, Irvine

Founded in 1965, the University of California, Irvine combines the strengths of a major research university with the bounty of an incomparable Southern California location. UC Irvine’s unyielding commitment to rigorous, undergraduate education and edge research and leadership development makes the campus a driving force for innovation and discovery that serves our local, national and global communities in many ways.

The UC Irvine’s MSEM program is an excellent blend of the best of the engineering and business curriculums to help develop top-quality engineering managers. Our managers rise from the engineering population and would benefit from this kind of program. Since we support graduate degree programs for our employees in both engineering and business administration, this program is of high value to Northrop Grumman.”

Dwight C. Streit, PhD, Vice President, Electronics and Sensors, Northrop Grumman Aerospace Systems

Learn more at merage.uci.edu/go/msem

UC Irvine

Master of Science in Engineering Management

The Paul Merage School of Business

The Henry Samueli School of Engineering

Merage School of Business

The Paul Merage School of Business consistently ranks among the top 10% of business schools in the world. Our pioneering curriculum and dynamic network attract business leaders, the best and brightest students, and the global companies that recruit them. Our reputation includes accolades from BusinessWeek, U.S. News & World Report and the Financial Times.

Henry Samueli School of Engineering

The Henry Samueli School of Engineering at UC Irvine is becoming a powerhouse for innovative engineering education and the development of tomorrow’s advanced technologies. Working in partnership with state and federal agencies and industry, the School promotes the transfer of research to applications that benefit society. The School’s faculty members are leaders in their disciplines and have achieved world wide honors and recognition for their groundbreaking research and dedicated teaching. The School, and many of its engineering disciplines, are ranked among the top 50 in the country in U.S. News & World Report’s graduate program annual rankings.

UC Irvine

The Paul Merage School of Business

The Henry Samueli School of Engineering

Learn more at merage.uci.edu/go/msem

Master of Science in Engineering Management

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UC Irvine

Life in the O.C.
Engineers know.

One degree can change everything.

Are you succeeding in engineering, but want to take your career to the next level? The Master of Science in Engineering Management (MSEM) from UCI Irvine is a full-time, one-year program, and may just be the degree that can change the course of your future.

The highly focused MSEM program integrates the extensive resources and networks of The Paul Merage School of Business and The Henry Samueli School of Engineering – two of Southern California’s premier educational institutions. Working together, these Schools provide the cutting-edge engineering skills and proven, real-world business practices engineers need for leadership roles in technology, science, government, and engineering-based companies and organizations. Empowered with a dynamic skill set, you will be able to lead cross-functional teams and successfully bring innovative projects to market.

Program Structure

The MSEM program requires a minimum of 17 courses (45 units) beyond the bachelor’s degree. As part of the program, students must complete a summer quarter internship and an intensive internship in early to mid-September preceding the Fall Quarter, which presents foundational concepts of management to initiate students into the core competencies that managers in high performing organizations typically confront.

Courses in engineering are offered through The Henry Samueli School of Engineering and courses in business administration from The Paul Merage School of Business. Students will emerge as innovators by taking on the role of business and engineering project managers tasked with solving complex engineering product development challenges through consulting projects, business plans and exposure to current issues within the engineering sector. Through this process, quantitative and qualitative skills, along with business communication skills, will be developed.

Coursework

Due to the interdisciplinary nature of this degree, it is important to establish a common foundation in Engineering Management for students from various backgrounds. This foundation is sufficiently covered in the following courses:

- MBA201: Management of Innovative Organizations
- MBA211: Organizing – spans three quarters
- MBA298: Financial Management
- ENGR280: Engineering Department Seminar (based on: Materials Science and Engineering, Electrical and Computer Engineering, Mechanical and Aerospace Engineering, Biochemical Engineering, or Management Science and Engineering)

In addition to the core courses, at least 5 additional courses from The Paul Merage School of Business are required along with 5 additional courses from The Henry Samueli School of Engineering.

Three MBA courses are required from a chosen specialization in Engineering:

- Management of Innovative Organizations
- Biomedical Engineering
- Electrical and Computer Engineering
- Mechanical and Aerospace Engineering

Four elective courses are also required – two from the business school and two from the engineering school.

Admissions Requirements

Applicants may apply online and must hold a BS degree in an engineering or allied field as well as meet all other prerequisite requirements at the time of matriculation into the program. These requirements can be met at any time prior to matriculation without the prerequisite scholarship record, if applicable, and in some cases, without the need to take remedial work. Those admitted from an allied field may be required to take supplementary prerequisite courses in the engineering school.

Applicants will be evaluated on their prior academic record and their potential for management and leadership as demonstrated in submitted application materials including:

- Official transcripts from all institutions attended to obtain degree(s) (with English translation if needed)
- Official Test of English as a Foreign Language (TOEFL) – international applicants
- Graduate Record Examination (GRE) scores – scores valid for five years
- Resume
- Three letters of recommendation
- Statement of purpose
- Application fee
- Official Test of English as a Foreign Language (TOEFL) – international applicants
- A personal interview (by invitation only)

Deadlines and additional application information is available at merage.uci.edu/apply.

Note: If you are an international applicant, we encourage you to apply early to allow sufficient time to obtain your student visa.

Learn more at merage.uci.edu/go/msem

Proseminar Course

This course, spanning three quarters, provides students with information and practical skills for success in the program and in business career planning.

Fall Quarter: Career Exploration, Career Paths, Skill Identification, Resume Writing, Networking, Interviewing

Winter Quarter: Career Mapping, Marketing Plan, Career Letter Writing, Mock Interviews

Spring Quarter: Negotiating, Jump Start Meetings