

## Engineering Management and Leadership



SCU OMC-8042A 5/10 3:000

### Unique Program Features

**Faculty from Industry.** Twenty-five instructors in the Engineering Management Program work in Silicon Valley and maintain a strong industry connection. In addition to their business perspective, they are also instrumental in helping students link up with Bay Area engineering companies for internship and job opportunities.

**Teaching Methodology.** SCU faculty members use a wide variety of teaching methods to maximize students' learning experience, including discussion sessions, small group coaching, problem-driven seminars, individual and "just-in-time" instruction in the form of online materials, learning guides, and short tutorials.

**Project-Based Curriculum.** The program features a heavy reliance on project-based learning, case analyses, and industrial practices, so course work is immediately applicable to responsibilities at work.

**Team Orientation.** Teamwork is fundamental to the program, just as it is in the workplace. Collaborative learning equips students with the technical, managerial, and communication skills necessary to succeed in any career path.

**Student Services for Working Professionals.** SCU recognizes the pressures that part-time students experience in balancing competing demands on their time. We are dedicated to streamlining the administrative processes by providing students with the highest level of student services.

### Engineering Graduate Programs

Founded in 1912, the School of Engineering educates tomorrow's technical leaders in small and rigorous classes taught by expert faculty members. Our outstanding graduate programs offer master's, engineer's, and Ph.D. degrees, as well as open university, and professional certificate programs.

### Education Fitting Your Work Schedule, At Your Own Pace

Santa Clara University provides full-time students and busy working professionals in Silicon Valley with various education options to match their personal needs and work schedules, including:

- **Degree Programs**—full-time and part-time
- **Certificate Programs**—full-time and part-time
- **Open University**—take only the courses that interest you
- **One-Day Emerging Topic Programs**—focus on a single technology topic

To accommodate our students' busy work and internship schedules, all of our graduate engineering classes are held outside of normal business hours, with early morning classes at 7 a.m. to 9 a.m., evening classes starting at 5 p.m. and 7 p.m., and weekend classes. Our flexibility allows you to complete the program at your own pace.

#### For further information, please contact:

Graduate Engineering Services  
Santa Clara University  
500 El Camino Real  
Santa Clara, CA 95053  
408-554-4313

[www.scu.edu/engineering/graduate](http://www.scu.edu/engineering/graduate)  
[www.scu.edu/engineering/emgt](http://www.scu.edu/engineering/emgt)

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The Jesuit University in Silicon Valley

# Engineering Management and Leadership Graduate Program



Santa Clara University's Engineering Management and Leadership Program is specifically designed for those engineers or computer scientists who wish to reach their career goals by expanding their business acumen while also advancing their technical knowledge. Unlike an MBA, the Master's of Science program in Engineering Management couples technical proficiency with business comprehension, providing the perfect skill set for a wide variety of management positions from technical project manager to chief technology officer. This is a program for professionals who must balance technical capability and business understanding in the development of products and processes that have a high technological content. Our program is for those professionals who want to be valued contributors in both the technical and business arenas, and who wish to sustain their technical vitality while advancing their careers.

## Master of Science in Engineering Management

The goal of the Engineering Management M.S. program is to develop managers who are adept at handling both technical and business challenges, who are skilled problem solvers, capable of leading with integrity. In an increasingly global world, it is our mission to educate exceptional professionals who understand and appreciate the diverse and interdisciplinary environment in which they operate. Our program promotes ethical decision making within a global and societal framework.



Admission to the Engineering Management and Leadership Program is open only to those who hold an undergraduate degree or graduate degree in engineering or computer science. The undergraduate degree must be from a four-year engineering program substantially equivalent to Santa Clara's.

## Flexibility is the Key to Success

In the Engineering Management and Leadership Program, we know that nobody understands your career goals and aspirations better than you. This program allows you to design your own course of study and choose your own concentration. During your first term of enrollment, you will meet with the department chair, who will approve a program of study selected by you to match your individual interests.

## Requirements

Selection of courses for the master's degree must result in a total of 45 units. The following are the requirements for the Engineering Management and Leadership degree:

- Engineering Management: 20 units
- Technical Stem: 19 units
- The SCU Graduate Core: 6 units

A maximum of 9 quarter units (6 semester units) of graduate level courses may be transferred from other accredited institutions at the discretion of the student's advisor provided they have not been applied to a previous degree. However, in no case will the minimum units taken in the Department of Engineering Management and Leadership be fewer than 16. Extension classes, continuing education classes, professional development courses, or classes from international universities are not accepted for transfer credits.

In addition to the overall 3.0 GPA graduation requirement, engineering management and leadership degree candidates must earn a 3.0 GPA in those courses applied to their technical stem and a 3.0 GPA in their engineering management course stem. All courses in which a student is enrolled at Santa Clara are included in these calculations.

