



## MASTER OF SCIENCE

# ENGINEERING SCIENCE

### PROGRAM OVERVIEW

Pacific's Master of Science in Engineering Science (MSES), offered by the School of Engineering and Computer Science, is a graduate-level program designed to strengthen students' technical, analytical and professional skills. Students complete 30 course units over one or two years and emerge prepared to enter top doctoral programs or pursue dynamic engineering careers. All engineering science students take courses and complete research at Pacific's Stockton (CA) campus.

### CURRICULUM

After completing a set of core classes in research and analysis, students in the MSES program choose one of four concentrations: Civil Engineering (Environmental and Structural), Computer Engineering/Electrical Engineering/Computer Science, Engineering Management or Mechanical Engineering. The program includes thesis and non-thesis options and with opportunity for experiential learning, paid internships and independent research.

Popular research areas include:

- Computational Intelligence
- Data Visualization
- Mechatronics
- Polymer Materials
- Renewable Energy
- Infrastructure Renewal
- Structural Health Monitoring
- Water Quality and Resources

### FACULTY

Students in Pacific's MSES program benefit from close working relationships with dedicated faculty members. Pacific's distinguished engineering science professors are firmly engaged in the international engineering community and provide students with exceptional opportunities for experiential learning.

### ADMISSION REQUIREMENTS

The MSES program admission process involves a holistic review that includes factors of each applicant's background and experience.

- Completed online application
- Bachelor's degree from an accredited university
- Official transcripts from all colleges attended
- Three references
- Personal Statement
- Official GRE scores

### TUITION AND FINANCING

Tuition and fees are set annually. The per-unit graduate tuition rate for the 2016-2017 academic year is \$1,377, plus applicable fees.

A limited number of graduate assistantships and fellowships may be available for graduate students on a competitive basis. This support generally covers tuition and provides a modest living stipend. Interested students should directly contact the Graduate School Director for the School of Engineering and Computer Science.

Graduate students who are U.S. citizens or eligible non-citizens may apply for federal student loans. Please contact our Office of Financial Aid for more information about financing options.

### MORE INFORMATION

Office of Graduate Admission  
 Knoles Hall, Room 207B  
 3601 Pacific Avenue  
 Stockton, California 95211  
 209.946.3929  
[gradadmission@pacific.edu](mailto:gradadmission@pacific.edu)