Programs Offered

Master of Science in Cybersecurity
Master of Science in Data Science
Master of Science in Engineering Science

MSES Concentrations

Civil Engineering (Environmental, Structural)
Computer Engineering / Electrical Engineering / Computer Science
Engineering Management
Mechanical Engineering

Mission

The mission of the School of Engineering and Computer Science is to provide a superior, student-centered learning environment that emphasizes close faculty-student interaction, experiential education, and distinctive research opportunities. Graduates will be prepared to excel as professionals, pursue advanced degrees, and possess the technical knowledge, critical thinking skills, creativity, and ethical values needed to lead the development and application of technology for bettering society and sustaining the world environment.

Graduate Program Admission Criteria

The graduate admission criteria varies for the three graduate programs in the School of Engineering and are specified for each program. All graduate applicants must submit the following materials to the Research and Graduate Studies Office at the University of the Pacific. A completed application includes:

1. The Graduate School application form
2. Letters of recommendation
3. Transcripts from the institution where the BS in engineering, computer science, or relevant degree was granted
4. A personal statement on professional goals and objectives
5. A 3.0/4.0 GPA on the last 60 units of undergraduate study
6. For students whose first language is not English, Test of English as a Foreign Language (TOEFL) is required. The minimum score for admission is 550 (paper) or 213 (computer) and the minimum score for a teaching assistantship award is 575 (paper) or 231 (computer)

General Academic Policies

Engineering and Computer Science Prerequisite Requirement
All course prerequisites in the master programs must be passed with a grade of C or higher.

Courses Taken Pass/No Credit
All courses that count toward the MS in Engineering Science must be taken for a letter grade (except for thesis units).

Graduate Independent Studies
Students who have an interest in a subject not offered as a regular course and who, by their overall performance at Pacific, have proven their ability to do independent work, may consider enrolling in a graduate independent study. The qualified student should initiate discussions with his/her advisor and with a professor who is knowledgeable in the subject. If both parties are in agreement, the student must complete the Individualized Study Form and submit it to the instructor and Office of the Registrar prior to the last day to add (see University Academic Calendar). Students on academic probation are not permitted to enroll in independent study courses in any department of the University. The following School of Engineering and Computer Science policies apply:

1. The course(s) may not be substituted for a regularly scheduled course unless approved by the department.
2. If the course is to be used as an elective, approval by the student’s advisor and the department chairperson is required.
3. All courses must be taken for a letter grade; the pass/no credit option is not allowed for independent study courses.
4. Each course may be taken for one (1), two (2), three (3), or four (4) units. The unit value for the course is established between the student and the professor responsible for the course. The student’s advisor should be informed of this decision.

Course Substitutions
A maximum of six units of approved advanced undergraduate courses (100 level) can count toward the MS in Engineering Science and Cybersecurity.