

Civil and Geomatics Engineering and Construction

Faculty

Civil Engineering

Thomas Attard
Jesus S. Larralde-Muro
William F. Wright
Ming Xiao
Mohamad A. Yousef

Construction Management

Jason Charalambides
R. Louis Gysler

Geomatics Engineering

James Crossfield
Riadh Munjy
Fareed W. Nader

The Department Description

The Department of Civil and Geomatics Engineering and Construction offers programs of study leading to the Bachelor of Science degrees in Civil Engineering, Geomatics Engineering, and Construction Management. Civil and Geomatics Engineering programs are accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET) which represents the major professional engineering groups in the United States. The Management Specialty Program of the Bachelor of Science degree in Construction Management is accredited by the American Council for Construction Education, the professional accreditation organization of the construction industry.

Faculty and Facilities

The teaching and research specialties of the department's faculty cover every area of civil engineering, geomatics engineering, and construction. Most faculty members are licensed as civil engineers, land surveyors, or contractors and have a wide range of professional experience in engineering design, analysis, research and development, and project planning and management.

Excellent laboratory facilities exist for structures, testing of soils and construction materials, hydraulics testing, water quality analysis, aerial mapping, GIS and land surveying.

Mandatory Advising

It is the policy of the department that every student see his/her assigned adviser at least once during the academic year.

Accelerated B.S./M.S.

An accelerated B.S./M.S. program is offered in civil engineering and geomatics engineering as a streamlined curriculum that may be used by qualified students to attain the bachelor of science and master of science degrees simultaneously. Undergraduate CE and GME students in their senior year are eligible to be admitted into this program if they have a GPA of at least 3.0 in the CE or GME core courses, complete the G.E. requirements the semester they start the accelerated program or before, and take the GRE examination. An application and letter of intent should be filed with the MSCE program. A plan of study should be developed in consultation with the coordinator and graduate faculty of the MSCE program. Complete all G.E. requirements prior to taking any 200-level coursework. See page 317 for more detailed information.

College of Engineering

Department of Civil and Geomatics Engineering and Construction

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Engineering East Building, Room 178
559.278.2889
FAX: 559.278.7002
www.engr.csufresno.edu

B.S. in Civil Engineering

B.S. in Construction Management

B.S. in Geomatics Engineering

M.S. in Civil Engineering

Minor in Construction Management

Electrical and Computer Engineering

College of Engineering

Department of Electrical and Computer Engineering

Ramakrishna Nunna, *Chair*

East Engineering Building, Room 254A

559.278.2726

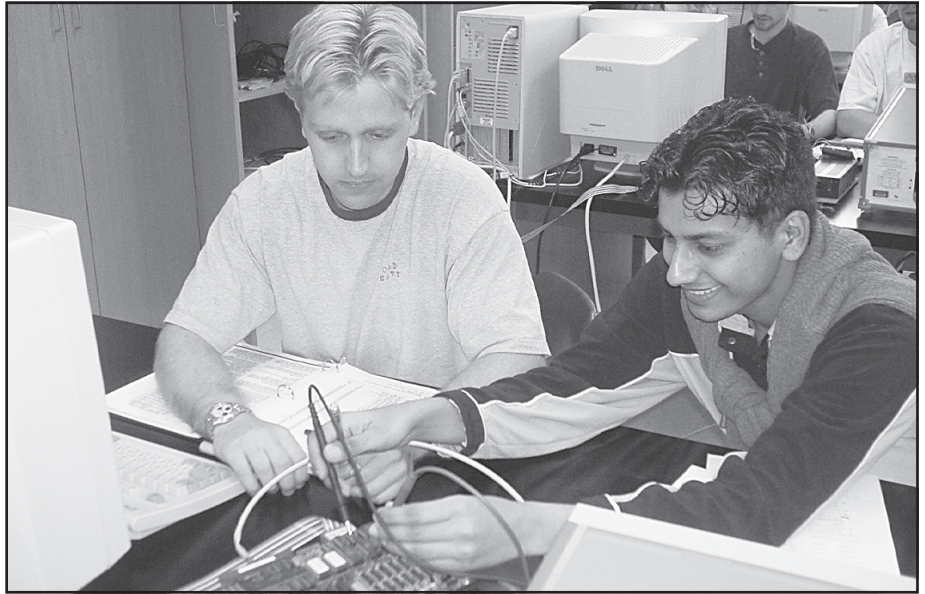
www.csufresno.edu/engineering/

B.S. in Computer Engineering

B.S. in Electrical Engineering

M.S. in Engineering,
Electrical Engineering Option

See pages 316-317



Faculty

Electrical and Computer Engineering

Nagy N. Bengiamin

Daniel C. Bukofzer

Christopher Hatfield

Albert A. Heaney

Robert W. Hecht

Gregory R. Kriehn

Ramakrishna Nunna

The Department Description

The Department of Electrical and Computer Engineering offers ABET accredited Bachelor of Science degrees in Electrical Engineering and Computer Engineering. Although many courses are common to both programs, there are significant differences between the graduation requirements for electrical engineering and for computer engineering. Students are advised to decide early in their program of study which major they intend to pursue. The Bachelor of Science degree programs are also offered to students at the Lancaster University Center via distance learning. The department also offers a master's degree in engineering with emphasis in electrical engineering. For more information, see the Master of Engineering Program, page 316-317.

Electrical and Computer Engineering Faculty and Facilities

The faculty members have a wide range of teaching and industrial experience and are academically well-qualified engineers. Their backgrounds include research accomplishments, practice in industry, consulting work, and extensive teaching experience.

Excellent facilities are housed in the Engineering East Building. A 52,000 square-foot engineering building addition provides additional classroom space, faculty offices, and laboratories for microprocessors and digital systems, electronics, computer hardware and software design development, optical communications, digital control/robotics, microwaves, special projects, and power systems.

Mandatory Advising

It is the policy of the Electrical and Computer Engineering Department that every student see his/her assigned adviser at least once during the academic year.

Students must complete mandatory advising with a faculty member at least once during each academic year. Students who fail to do so by the established deadline (usually around the end of April) will be prevented from participating in the registration process prior to the start of classes.

Accelerated B.S./M.S.

An accelerated B.S./M.S. program, with options in electrical and mechanical engineering, is offered to ME and EE students as a streamlined curriculum that may be used by qualified students to attain the bachelor of science and master of science degrees simultaneously. Undergraduate EE and ME students in their senior year are eligible to be admitted into this program if they have a GPA of at least 3.0 in the EE or ME core courses, complete the G.E. requirements the semester they start the accelerated program or before, and take the GRE examination. An application and letter of intent should be filed with the M.S. in Engineering program. A plan of study should be developed in consultation with the coordinators of the EE option or the ME option. The student must complete all G.E. requirements prior to taking any 200-level coursework. See page 317 for more detailed information.

Mechanical Engineering

Faculty

Mechanical Engineering
Walter V. Loscutoff, *Chair*
Satya D. Mahanty
William W. Peng
Maria C. Sanchez

The Department Description

The Department of Mechanical Engineering offers the Bachelor of Science degree in Mechanical Engineering. The program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology. The department also offers a Master of Science in Engineering with an option in Mechanical Engineering. For more information see Master of Science in Engineering program.

Faculty and Facilities

The department's faculty members have outstanding academic credentials which cover most major areas in mechanical and engineering. In addition, most of the faculty have had distinguished careers in industry and are able, through their experiences, to help students develop the professional skills needed to solve engineering problems.

Excellent laboratory facilities emphasize computer interaction, the operation and use of instruments, and the experimental approach. The mechanical engineering laboratories are equipped with laser measurement systems, digital data acquisition systems and test apparatus which enable engineering students to study the effects of different parameters on the operation and performance of energy, fluid, aerospace, and other mechanical systems. The laboratory program also includes strong emphasis on computer-aided design.

Mandatory Advising

It is the policy of the department that every student see his/her assigned adviser at least once during the academic year.

Administrative Academic Probation

A minimum GPA of 2.0 must be maintained in all courses taken in the College of Engineering. Students who fail to maintain a 2.0 GPA in courses within their major may be placed on administrative academic probation. Failure to eliminate the grade point deficiency could result in disqualification from the College of Engineering.

Industrial Engineering Admissions Suspended as of Fall 2004

Admissions to the Industrial Engineering program have been suspended. Students with substantial coursework in this area should consult with the Department of Mechanical Engineering.

Accelerated B.S./M.S.

An accelerated B.S./M.S. program, with options in electrical and mechanical engineering, is offered to ME and EE students as a streamlined curriculum that may be used by qualified students to attain the bachelor of science and master of science degrees simultaneously. Undergraduate EE and ME students in their senior year are eligible to be admitted into this program if they have a GPA of at least 3.0 in the EE or ME core courses, complete the G.E. requirements the semester they start the accelerated program or before, and take the GRE examination. An application and letter of intent should be filed with the M.S. in Engineering program. A plan of study should be developed in consultation with the coordinators of the EE option or the ME option. The student must complete all G.E. requirements prior to taking any 200-level coursework. See page 317 for more detailed information.

College of Engineering

Department of Mechanical Engineering

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B.S. in Industrial Engineering*

B.S. in Mechanical Engineering

M.S. in Engineering,
Mechanical Engineering Option