

Engineering

OFFERED BY THE COLLEGE OF ENGINEERING

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The College of Engineering undergraduate programs in aerospace, civil, computer, construction, electrical, environmental, and mechanical engineering are accredited by the Engineering Accreditation Commission (EAC) of ABET, <http://www.abet.org>.

Faculty

Faculty assigned to teach courses in engineering are drawn from departments in the College of Engineering.

Engineering Minor

(Minor Code: 09011) (SIMS Code: 444001)

The minor in engineering consists of 15 units in engineering, 12 units of which must be in upper division courses. The courses must be approved by the assistant dean of the College of Engineering. The engineering minor is not available to students majoring in engineering.

Courses in the minor may not be counted toward the major, but may be used to satisfy preparation for the major and general education requirements, if applicable. A minimum of six upper division units must be completed in residence at San Diego State University.

Courses (ENGR)

Refer to *Courses and Curricula and University Policies* sections of this catalog for explanation of the course numbering system, unit or credit hour, prerequisites, and related information.

LOWER DIVISION COURSES

ENGR 250. Introduction to Renewable Energy (3) [GE]

(Offered only at SDSU-IV)

Prerequisites: Mathematics 150 with a grade of C (2.0) or better or satisfaction of the SDSU Mathematics/Quantitative Reasoning Assessment requirement and qualification on the Mathematics Placement Assessment. **Proof of completion of prerequisites required.**

Energy sources and systems. Future challenges and trends of energy use. Incentives and policies on energy resources. Laws of thermodynamics and factors impacting economic viability of power generation.

ENGR 296. Experimental Topics (1-4)

Selected topics. May be repeated with new content. See *Class Schedule* for specific content. Limit of nine units of any combination of 296, 496, 596 courses applicable to a bachelor's degree.

UPPER DIVISION COURSE

(Intended for Undergraduates)

ENGR 496. Advanced Engineering Topics (1-3)

Prerequisite: Minimum grade point average of 2.0 in engineering.

Modern developments in engineering. See *Class Schedule* for specific content. Maximum credit six units for any combination of 496, 499, and 596 applicable to a bachelor's degree.

GRADUATE COURSES

Refer to the *Graduate Bulletin*.