

ENGINEERING

Thinking about a Career in Engineering?

Orientation: Engineering

Tuesday, January 31, 2012, 6:00PM-8:00PM, Room 715

Find out about Cabrillo's engineering program. The engineering faculty will review the engineering program courses and advise you on which classes to take.

For more information about the engineering program:

www.cabrillo.edu/academics/engineering/ or call (831) 479-6497.

ENGR 5 Engineering as a Profession

Provides information to evaluate the engineering profession as a personal career choice. Prerequisite: ENGL 100 or eligibility for ENGL 1A/1AH/1AMC/1AMCH. Recommended Preparation: Eligibility for READ 100.

Transfer Credit: CSU; UC.

Section	Days	Times	Units	Instructor	Room
74750	TH	01:30PM-03:35PM	2.00	J.Panzardi	715
74751	TH	03:45PM-05:50PM	2.00	J.Panzardi	715

ENGR 15 Circuits

Analyzes the behavior of currents and voltages in electrical circuits containing resistive, capacitive, inductive passive elements, along with op-amps interconnected to voltage and current sources. Students enrolled in the Honors Transfer Program may count this course towards the "Honors Scholar" designation. Spring semester only. Prerequisite: PHYS 4B, Hybrid Requisite: Completion of or concurrent enrollment in MATH 7. Recommended Preparation: ENGL 100 or Eligibility for 1A/1AH/1AMC/1AMCH; Eligibility for READ 100.

Transfer Credit: CSU; UC.

Section	Days	Times	Units	Instructor	Room
74746	MW	09:30AM-10:50AM	4.00	C.Figueroa	715
& F		08:00AM-11:05AM		C.Figueroa	830
& Arr.	Arr.	Arr.		C.Figueroa	835

+ 50 min arranged per week in Physics/Engineering Learning Center, Room 835.

ENGR 25 Graphics and Design

Applies principles of engineering drawing in visually communicating engineering designs using freehand sketching, instrument drawing, and computer-aided drafting/design using AutoCAD. Prerequisite: MATH 153 or MATH 2 or MATH 4 or high school geometry. Recommended Preparation: ENGL 100 or Eligibility for 1A/1AH/1AMC/1AMCH; Eligibility for READ 100.

Transfer Credit: CSU; UC.

Section	Days	Times	Units	Instructor	Room
74747	MW	02:30PM-05:20PM	4.00	K.Groppi	715
& Arr.	Arr.	Arr.		K.Groppi	1400

+ 2 hr 5 min arranged per week in Computer Technology Center, Room 1400.

ENGR 26 Solid Modeling

Applies principles of solid modeling using Pro/Engineer in engineering design and the production of engineering drawings. Spring semester only. Prerequisite: ENGR 25. Recommended Preparation: ENGL 100 or Eligibility for ENGL 1A/1AH/1AMC/1AMCH; Eligibility for READ 100.

Transfer Credit: CSU; UC.

Section	Days	Times	Units	Instructor	Room
74748	M	06:00PM-09:05PM	2.00	R.Hines	LRC1097
& Arr.	Arr.	Arr.		K.Groppi	1400

+ 2 hr 5 min arranged per week in Computer Technology Center, Room 1400.

ENGR 35 Statics

Analyzes two- and three-dimensional force systems on rigid bodies in static equilibrium. Students enrolled in the Honors Transfer Program may count this course towards the "Honors Scholar" designation. Spring semester only. Prerequisite: PHYS 4A. Hybrid Requisite: Completion of or concurrent enrollment in MATH 5C. Recommended Preparation: ENGR 25; ENGL 100 or Eligibility for ENGL 1A/1AH/1AMC/1AMCH; Eligibility for READ 100.

Transfer Credit: CSU; UC.

Section	Days	Times	Units	Instructor	Room
74749	TTH	09:30AM-10:50AM	3.00	K.Groppi	715
& Arr.	Arr.	Arr.		K.Groppi	835

+ 50 min arranged per week in Physics/Engineering Learning Center, Room 835.