

## ENGINEERING

Thinking about a Career in Engineering?

Orientation: Engineering

Tuesday, August 25, 2009, 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 1A Surveying

Applies theory and principles of plane surveying: office computations and design; operation of surveying field equipment; and production of engineering plans/maps. Fall Semester only. Prerequisite: MATH 3 or MATH 4 or High School Trigonometry. Recommended Preparation: ENGR 25 (may be taken concurrently) and eligibility for ENGL 1A/1AH/1AMC/1AMCH.

Transfer Credit: CSU; UC.

Section	Days	Times	Units	Instructor	Room
63464	W	06:00PM-09:05PM	4.00	J.Panzardi	715
&	W	09:05PM-09:55PM		J.Panzardi	715
&	Arr.	Arr.		J.Panzardi	715/835
&	Arr.	Arr.		J.Panzardi	1400

\* Meets 38 hrs 10 min field lab arranged over 7 Saturdays: 9/19, 10/3, 10/17, 10/31, 11/14, 11/21 and 12/5 from 9:30AM-4:00PM. + 1 hr arranged per week in the Computer Technology Center and + 1 hr arranged per week in the Physics/Engineering Learning Center.

### ENGR 5 Engineering as a Profession

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

Transfer Credit: CSU; UC.

Section	Days	Times	Units	Instructor	Room
63467	TH	03:45PM-05:50PM	2.00	J.Panzardi	715
&	Arr.	Arr.		B.Durland	1400

+ 50 min arranged per week in the Computer Technology Center, Room 1400.

### ENGR 10 Engineering Communication

Develops written, computer and oral communication skills in analyzing and presenting data in solving engineering problems. Prerequisite: ENGL 1A/1AH/1AMC/1AMCH.

Transfer Credit: CSU; UC with conditions: In order for transfer credit to be granted for ENGR 10, ENGR 5 must also be taken.

Section	Days	Times	Units	Instructor	Room
63463	T	02:30PM-04:35PM	2.00	Groppi/Waters	715
&	T	04:45PM-05:35PM		Groppi/Waters	715
&	Arr.	Arr.		B.Durland	1400

+ 1 hr 5 min arranged per week in Computer Technology Center, Room 1400.

### 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 3 or MATH 4. Recommended Preparation: Eligibility for ENGL 1A/1AH/1AMC/1AMCH.

Transfer Credit: CSU; UC.

Section	Days	Times	Units	Instructor	Room
63465	MW	02:30PM-03:50PM	4.00	K.Groppi	715
&	MW	04:00PM-05:20PM		K.Groppi	715
&	Arr.	Arr.		K.Groppi	1400

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

### ENGR 45 Engineering Materials

Presents the properties and performance of engineering materials and their relationship to the internal structure of materials. Fall semester only. Prerequisites: PHYS 4A and CHEM 1A or equivalent skills. Recommended Preparation: ENGR 10, CHEM 1B, ENGL 1A/1AH/1AMC/1AMCH.

Transfer Credit: CSU; UC.

Section	Days	Times	Units	Instructor	Room
63466	TTH	09:30AM-10:50AM	3.00	J.Panzardi	715
&	F	09:30AM-12:35PM		J.Panzardi	715/1306
&	Arr.	Arr.		J.Panzardi	835
&	Arr.	Arr.		B.Durland	1400

+ 1 hr 5 min arranged per week in Computer Technology Center and + 1 hr 5 min arranged per week in the Physics/ Engineering Learning Center.