

GE & Graduation Requirements Worksheet - **Engineering**

Date: _____ See other side for suggested GE courses for Engineering majors

Advisor Initials: _____

	A grade of C- or better is required	COURSE	UNITS	WHERE TAKEN	9 UPPER DIVISION GE UNITS
A. BASIC SUBJECTS (9 UNITS)					
	↓	<i>Example: COMS 4</i>	3	CSUS	
A1 Oral Communication (3 units)	"C-"				
A2 Written Communication (3 units)	"C-"				
A3 Critical Thinking (3 units)	"C-"	Met by major	3		
B. PHYSICAL UNIVERSE & ITS LIFE FORMS (15 units) Lab course met by major requirement					
B1 Physical Science (3 units)		Met by major	3		
B2 Life Forms (3 units)					
B4 Quantitative Reasoning (3 units)	"C-"	Met by major	3		
B5 Additional courses to total 15 units .		Met by major	6		
C. THE ARTS AND HUMANITIES (12 units) # (No more than two courses in Area C may be taken from the same subject designation.)					
C1 World Civilizations (3 units)					
C2 Introduction to the Arts (3 units)					
C3 Intro to the Humanities (3 units)					
C4 Additional course to total 12 units ...		(choose from C2, C3 or C4)			
D. THE INDIVIDUAL & SOCIETY (12 units) #					
D1a Foundations in Soc Sci (3 units)					
D2 Major Social Issues (3 units)					
D3 American Institutions (6 units)		U.S. History			
		U.S. Const/Calif Govt			
E. UNDERSTANDING PERSONAL DEVELOPMENT (3 units)					
		Met by major requirements	3		3

Race and Ethnicity in American Society	+	+ See GE section of Class Schedule.
Foreign Language Proficiency	"C-"	See GE section of Class Schedule.
Second Semester Composition	"C-"	English 20 or English 20T at CSUS
Writing Proficiency Exam		See GE section of Class Schedule.
Writing Intensive	*	* in GE section of Class Schedule.

+ *The Writing Intensive and Race & Ethnicity in American Society requirements can overlap with GE areas.
 # To meet the ABET requirement, the 24 units of Areas C and D may not include more than 16 units of skills courses in Art, Music, or Drama, or any Foreign Language courses in the student's native language.

Suggested GE Courses for Engineering

Area	Subjects	Course	Units	Upper Division**
A. BASIC SUBJECTS (9 UNITS)				
A1.	Oral Communication	COMS 4 (preferred) or COMS 5	3 units	
A2.	Written Communication	ENGL 1A	3 units	
A3.	Critical Thinking	exempt		
B. PHYSICAL UNIVERSE & ITS LIFE FORMS (15 units)				
B1.	Physical Science	Met by major		
B2.	Life Forms	BIO 5 (required in Construction Mgmt), BIO 20, ANTH 1 or ENV 10	3 units	
B3.	Laboratory requirement	Met by major		
B4.	Quantitative Reasoning	Met by major		
B5.	Additional Course	Met by major		
C. THE ARTS AND HUMANITIES (12 units)				
C1.	World Civilizations	History or Anthropology	3 units	
C2.	Introduction to the Arts	ART 7, MUSC 18, or MUSC 119	3 units	MUSC 119
C3.	Intro to the Humanities	PHIL 2, PHIL 6, or PHIL 112*	3 units	PHIL 112
C4.	Further Studies in Arts & Humanities	MUSC 129*, PHIL 115*, or PHIL 117*	3 units	All
D. THE INDIVIDUAL & SOCIETY (12 units)				
D1a.	Social Sciences	ECON 1A or ECON 1B (required in CPE)	3 units	
D1b.	World Cultures	Exempt		
D2.	Social Issues	PHIL 101* (recommended in CPE), ENV 112* or ETHN 100*+	3 units	All
D3.	American Institutions	GOVT 1 and HIST 17A+ or HIST 17B+	6 units	
E. UNDERSTANDING PERSONAL DEVELOPMENT (3 units)				
		Met by major		Yes

+ The Race and Ethnicity requirement can be met with one of these CSUS courses. For a list of approved Race and Ethnicity courses from other colleges, check with an advisor in Lassen 1012.

* These courses meet the Advanced Study requirement. One course is required.

** Two upper division GE courses (6 units) are required in addition to the 3 units met by major. See Areas C2, C3, C4, and D2 for suggested courses.

Note:

1. Engineering students are exempt from Area A3. Area E is met by a capstone course in the student's major which also counts for 3 units of upper division GE and also applies to the GE residency requirement.
2. Foreign Language Proficiency: See the class schedule for ways to satisfy this requirement.
3. Second Semester Composition: Engineering students may use ENGL 20T to satisfy this requirement. English 1B or 1C taken at a California Community College can often be used for this requirement as well (check with an advisor).

California State University, Sacramento

School of Engineering and Computer Science

General Education for Engineering and Technology (Fall 1992 and later. For all students starting college Fall 1992 or later)

Area A

A1 and A2. See current class schedule

A3. Met by required courses in the major

Area B

B1, B3, B4 B5. Met by required courses in the major

B2. See current class schedule

Area C

C1, C2, C3. See current class schedule

C4. Check with major department for requirements

Area D

D1(a) 3 units, D2 3 units, D3 6 units.

See current class schedule for appropriate courses

Area E

Met by required courses in the major. This may be used to satisfy part of the nine unit upper division requirement

NOTE:

9 units of upper division general education courses must be taken

3 units of Advanced Study are required.