

## General Education Worksheet for Engineering Named Majors

NOT for AVIA/TECH majors. This tool is for planning purposes only as a quick view of General Education requirements and exceptions for students whose major includes “Engineering” in the title. The 2021-2022 catalog supersedes all content. Please work with an Academic Advisor in the ESSC for any clarification.

General Education Core		Engineering Course Notes	Competed at	Grade
<b>Area A</b>	<b>Basic Skills (9 units)</b>	<b>Complete one course in each category</b>		
A1	Oral Communication			
A2	Written Communication I			
A3	Critical Thinking & Writing	Fulfilled upon completion of all major requirements		

<b>Area B</b>	<b>Science &amp; Math (9 units)</b>	<b>B1-2-3 fulfilled with Intensive Science Option</b>		
B1	Physical Science	PHYS 50 <u>and</u> PHYS 51 <u>and</u> Chem 1A (CMPE/SE take BIOL 10 instead of Chem 1A) with a C or better. Talk to ESSC Advisor for options.		
B2	Life Science			
B3	Laboratory Science			
B4	Mathematical Concepts	Fulfilled with grade C- or Higher in: Math 30/30x or 31/31x or 32/32x		

### Area C – Humanities & Arts (9 units)

C1	Arts			
C2	Letters	ENGL 1B		
C3	C1 or C2	Fulfilled upon completion of all major requirements		

### Area D – Social Sciences (6 units)

	Choose 2 History			
D	Courses			

### Area E – Human Understanding & Development (3 units)

E	All Engineering-Named Majors	ENGR 10 (only satisfies Area E if taken at SJSU Fall 13 or later); transfer students must include non-activity courses		
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### Area F – Ethnic Studies (3 units)

F	Ethnic Studies			
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### Graduation Requirements: Completed at Grade

<b>American Institutions</b>		<b>Complete US 1-2-3; some courses double counts with Area D</b>		
US 1	U.S. History			
US 2	U.S. Constitution			
US 3	California Government			

### Physical Education Activity: **Waived for all College of Engineering students**

### Prerequisites to SJSU Studies

Passed Writing Skills Test (WST) or LLD/Engl 100A    
  (Upper Division Standing (60 units) )    
  ENGR 100w: C- or higher in second semester of composition    
  Completed A1, A2, A3, B4

### SJSU Studies (Upper Div. GE) Completed at Grade

<b>All first baccalaureate students are required to have a minimum GPA of 2.0 in their SJSU Studies courses</b>				
Area R	Earth & Environment and	ENGR 100W (must be completed with C or better; satisfies both Area R and Area Z)	<b>SJSU</b>	
Area Z	Written Communication II			
Area S	Self, Society & Equality in the U.S.	Depends on major; may require course co-requisite. Ask Major Advisor and refer to catalog.	<b>SJSU</b>	
Area V	Culture, Civilization & Global Understanding	Depends on major; may require course co-requisite. Ask Major Advisor and refer to catalog.	<b>SJSU</b>	