

General Education Worksheet for Engineering Named Majors

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| First Name (print) | Last | Student ID # |
|--------------------|------|--------------|

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|--------------|-------|
| Catalog Year | Major |
|--------------|-------|

Categories or courses marked with * require a grade of C- or better.

| General Education Core | Course | Completed at | Grade |
|------------------------|--------|--------------|-------|
|------------------------|--------|--------------|-------|

A. Basic skills (9 units) Complete one course in each category.

| | | | |
|----------------------------------|---|--|--|
| A1 Oral Communication * | | | |
| A2 Written Communication I * | | | |
| A3 Critical Thinking & Writing * | Fulfilled Upon Completion of All Major Requirements | | |

B. Science & Math (9 units) B 1-2-3 'Fulfilled with Intensive Science Option

| | | | |
|----------------------------|--|--|--|
| B1 Physical Science | <i>PHYS 50 and PHYS 51 and CHEM 1A with a C- or better. Other options are available, please check with an ESSC GE Advisor.</i> | | |
| B2 Life Science | CMPE and SE take BIO 10 instead of CHEM 1A. | | |
| B3 Laboratory Science | | | |
| B4 Mathematical Concepts * | Fulfilled With Grade of C- or Higher In: MATH 30 or 30P/PL or 31 or 32 | | |

C. Humanities & Arts (9 units) ENGL 1B is required unless student has taken ENGL 2; Complete C1, C2, and one course in C1 or C2

| | | | |
|----------------------------------|---------|--|--|
| C1 Arts | | | |
| C2 Letters | Engl 1B | | |
| C3 1 Addtl C1 Arts OR C2 Letters | | | |

D. Social Sciences (9 units)

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|--|--|--|--|
| D Human Behavior, Comparative Systems, and Social Issues | | | |
|--|--|--|--|

E. Human Understanding & Development (3 units)

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|--------------------------------|--|--|--|
| E All Engineering-Named Majors | ENGR 10 only satisfies Area E if taken at SJSU Fall 13 or later. | | |
|--------------------------------|--|--|--|

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|--------------------------|------------------------|--------------|-------|
| Graduation Requirements: | Must complete US 1-2-3 | Completed at | Grade |
|--------------------------|------------------------|--------------|-------|

American Institutions

| | | | |
|------|-----------------------|--|--|
| 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)
 Completed A1, A2, A3, B4

| SJSU Studies (Upper Div. GE) | Course | Completed at | Grade |
|------------------------------|--------|--------------|-------|
|------------------------------|--------|--------------|-------|

All first baccalaureate students are required to have a minimum aggregate GPA of 2.0 in their SJSU Studies courses. Categories or courses marked with † require a grade of C or better.

| | | | | |
|--------|--|---|-------------|--|
| Area R | Earth & Environment and | ENGR 100W † | SJSU | |
| Area Z | Written Communication II † | | | |
| Area S | Self, Society & Equality in the U.S. | Can be fulfilled with ENGR 195A. <i>Other options may be available, ask your Major Advisor.</i> | SJSU | |
| Area V | Culture, Civilization & Global Understanding | Can be fulfilled with ENGR 195B. <i>Other options may be available, ask your Major Advisor.</i> | SJSU | |

NOTE: This worksheet is NOT an official document. Official review of general education requirements is done by a Graduation Evaluator (Office of the Registrar personnel) as part of the Graduation Application and Verification Process. Advisors in the Engineering Student Success Center are as accurate as possible with the information available.

General Education Requirements

Each blank line on the worksheet represents a requirement that needs to be completed. This includes CORE GE (Areas A-E), American Institutions, and SJSU Studies. Other than the exceptions below, no single course can fulfill more than one requirement.

Sequences that fulfill multiple GE Areas:

- 1) **American Civilizations Sequence:** AMS 001A (6) + AMS 001B (6) [12 units total]
Completing entire sequence fulfills Areas C1, C2, D2, D3, US1, US2, and US3 for all majors and provides an Area D1 exception (meaning Area D1 is considered fulfilled) for College of Engineering majors.
These courses are 6 units each and should be considered the workload of at least 2 traditional courses.
NOTE: When looking at Degree Requirements for College of Engineering majors at info.sjsu.edu, AMS 1A and AMS 1B may be listed. These specific courses are not explicitly required, but are generally the most efficient way to complete lower division GE Requirements assuming no other credit or GE courses taken. While it may be the most efficient, it may not be the best match for you depending upon interests, AP credit, transfer credit, or other considerations.
- 2) **Specialized CORE GE/American Institutions Efficiencies**
Completing any of the four sequences noted below (one cannot mix and match), fulfills Areas D2, D3, and US1, US2, US3
In each case the "A" course fulfills Area D2 and the "B" course fulfills Area D3
 - CCS 010A (3) + CCS 010B (3) [must take entire series to cover US1, US2, US3]
 - AAS 033A (3) + AAS 033B (3) [must take entire series to cover US1, US2, US3]
 - AFAM 002A (3) + AFAM 002B (3) [must take entire series to cover US1, US2, US3]
 - HIST 015 (3) + POLS 015 (3) [HIST 015 fulfills D2 & US1; POLS 015 fulfills D3 & US2 & US3]
- 3) **Humanities Honors Sequence:** HUM 001A (6) + HUM 001B (6) + HUM 002A (6) + HUM 002B (6) [24 units total]
Completing entire sequence fulfills A1, A2, A3, C1, C2, C3, D2, D3, US1, US2, and US3 for all College of Engineering majors. For students in engineering named majors who *started the sequence in Fall 2015 or earlier* Area D1 is waived. This waiver does not hold for students starting the sequence in Fall 2016 or later.
NOTE: This sequence loses efficiency with any AP/IB or transfer credit for GE areas. It can also create scheduling and progress to degree challenges due to four semesters of a 6 unit course (particularly in the sophomore year).

SJSU Studies/Upper Division GE

Successfully passing the Writing Skills Test (WST) and completing at least 60 earned units are required to enroll in SJSU Studies Courses. See <http://testing.sjsu.edu/wst/> for more information. College of Engineering Majors take ENGR 100W which covers both Areas R and Z. Areas S and V are often fulfilled with coursework from the major (as noted on worksheet), otherwise students select from the approved University list.

Taking General Education Requirements at another Institution:

GE-Breadth Certification and Course-to-Course Articulation are distinct. Community Colleges may offer courses that do not articulate as a specific SJSU course but are still certified GE courses. Community Colleges may offer courses that articulate with an SJSU course for content but do not fulfill the same GE Area. SJSU honors the GE Certification Area for the course at its home institution. If a course counted toward Area C1 at XYZ CC, then SJSU will honor it as an Area C1 course. Visit <http://artic.sjsu.edu> or <http://assist.org> to see GE-Breadth Certification information for courses at California Community Colleges. *Note: The Community Colleges divide Area D into 10 categories, D1 – D0 while SJSU has D1, D2, D3. An Area D certified course in ANY of the 10 CC areas can be used to fulfill ANY Area D category at SJSU. Select CC courses can also double count for Area D and American Institutions requirements.*

GE Credit through Advanced Placement (AP), International Baccalaureate (IB), or Credit By Exam

Students may receive credit for passing scores received on AP/IB/CLEP exams. These courses count as ungraded, earned credit that may fulfill GE or Major requirements. For a list of standardized exams accepted for credit at SJSU, visit: <http://info.sjsu.edu/static/catalog/cbe.html>. Credit is only posted to your SJSU record after verification from an official score report.

What is Catalog Year and why it is important?

San Jose State University issues a new catalog every year which is the official record of all degree requirements at SJSU. These degree requirements may change from one catalog to the next. A student who has been in continuous attendance may choose to meet the SJSU graduation requirements for their degree in force at the time they entered SJSU or any requirements up to and including term of graduation. The default is the catalog in place at the time of initial matriculation. Speak with your major advisor if you have questions about your specific catalog year and how it relates to your major requirements.

You can follow your degree progress at any time through the "Academic Requirements" page in my.sjsu.edu.

Questions? Contact the Engineering Student Success Center:

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success-engineering@sjsu.edu

engineering.sjsu.edu/essc

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