# SJSU | ENGINEERING STUDENT SUCCESS CENTER

# General Education Worksheet for Aviation and Technology Majors

Not for Engineering-Named majors. This tool is for planning purposes only as a quick view of General Education requirements and exceptions for students in the ITECH and Aviation department. The 2020-2021 catalog supersedes all content. Please work with an Advisor in the ESSC or your department for any clarification.

| General Education Core | Course notes | Completed at | Grade |
|---|---|---|---|
| **Area A - Basic skills (9 units)** | **Complete one course in each category** | | |
| A1 Oral Communication * | course must be completed with C- or higher | | |
| A2 Written Communication I * | course must be completed with C- or higher | | |
| A3 Critical Thinking & Writing * | ENGL 2; course must be completed with C- or higher | | |
| **Area B - Science & Math (9 units)** | **B1-2-3 fulfilled with Intensive Science Option** | | |
| B1 Physical Science | | | |
| B2 Life Science | PHYS 2A and PHYS 2B and CHEM 1A with a C- or better. Other options available; please check with Major Advisor. | | |
| B3 Laboratory Science | | | |
| B4 Mathematical Concepts * | Fulfilled With Grade of C- or Higher In: MATH 71(71x) or MATH 30(30x) | | |
| **Area C - Humanities & Arts (9 units)** | **Complete three total Area C courses (one must be C1 and another one must be C2)** | | |
| C1 Arts | | | |
| C2 Letters | | | |
| C3 C1 Arts OR C2 Letters | | | |
| **Area D - Social Sciences (9 units)** | **Complete three total Area D from any topic.** | | |
| D Human Behavior, Comparative Systems, Social Issues | 1. ECON 1B required for AVIA Management | | |
| | 2 | | |
| | 3 | | |
| **Area E - Human Understanding & Development (3 units)** | | | |
| E Aviation | Choose any Area E other than ENGR 10; must include non-activity courses | | |
| TECH | ENGR 10 required (only satisfies Area E if taken at SJSU Fall 13 or later) | | |

| Graduation Requirements | | Completed at | Grade |
|---|---|---|---|
| **American Institutions** | **Complete US 1-2-3; some courses double counts with Area D** | | |
| AI US1 (U.S. History) | | | |
| US2 (U.S. Constitution) | | | |
| US3 (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    ☐ ENGR 100w: C- or higher in second semester of composition    ☐ Completed A1, A2, A3, B4

| SJSU Studies (Upper Div. GE) | Course | Completed at | Grade |
|---|---|---|---|
| | **All first baccalaureate students are required to have a minimum GPA of 2.0 in their SJSU Studies courses** | | |
| Area R / Area Z — Earth & Environment **and** Written Communication II | ENGR 100W (must be completed with C or better; satisfies both Area R and Area Z) | SJSU | |
| Area S — Self, Society & Equality in the U.S. | BUS3 186 | SJSU | |
| Area V — Culture, Civilization & Global Understanding | TECH 198 (ITECH majors);  AVIA 198 (AVIA majors) | SJSU | |

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**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 wavier 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:

408.924.3990                      success-engineering@sjsu.edu                      engineering.sjsu.edu/essc