

General Education Requirements



SJSU's general education program establishes a strong foundation of versatile skills, fosters curiosity about the world, promotes ethical judgment, and prepares students to engage and contribute responsibly and cooperatively in a multicultural, information-rich society. General education classes integrate areas of study and encourage progressively more complex and creative analysis, expression, and problem solving. The program aims to equip students with the knowledge, skills, and values they need for a lifetime of intellectual and personal growth. Review the [learning goals and outcomes](#), [policies](#), [academic advisement information](#), and [previous requirements](#).

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General Education Requirements

General Education Core- Lower Division Requirements

Students must complete 39 units of Core GE courses. Courses that must be completed as a part of a sequence or are designed for specific majors only are identified in parentheses next to the course. Students may satisfy Intensive GE sequences in [science](#), [math](#), or [music](#).

A. English Language Communication and Critical Thinking

9 units

Complete one course each in 1. Oral Communication, 2. Written Communication I, and 3. Critical Thinking and Writing.

Minimum Grade: A minimum grade of "C-" or better (per the [CSU General Education Breadth Requirements](#)).

1. Oral Communication

Oral Communication courses cultivate an understanding of the social, psychological, political and practical significance of communication, with special emphasis on the roles of public communication in a free society.

- [CCS 74 - Public Address](#) 3 units
- [COMM 20 - Public Speaking](#) 3 units
- [COMM 20N - Public Speaking for Nonnative Speakers](#) 3 units
- [COMM 40 - Argumentation and Advocacy](#) 3 units
- [HUM 1B - Humanities Honors - Silk Roads & Water Ways](#) 6 units (must complete sequence with a "C-" or better)

2. Written Communication I

Written Communication I courses cultivate an understanding of the writing process and the goals, dynamics, and genres of written communication, with special attention to the nature of writing at the university. **First year students are expected to complete this requirement within their first two semesters at SJSU.**

- [ENGL 1A - First Year Writing](#) 3 units
- [ENGL 1AS - First-Year Writing: Stretch English II](#) 3 units

3. Critical Thinking and Writing

Critical Thinking and Writing courses develop students' understanding of the relationship of language to logic and develop students' abilities to research and analyze important topics and to construct their own arguments on issues that generate meaningful public debate and deliberation.

- [ANTH 13 - Archaeology](#) 3 units
- [COMM 41 - Critical Decision Making](#) 3 units
- [COMM 45 - Media and Culture](#) 3 units
- [ENGL 2 - Critical Thinking and Writing](#) 3 units
- [ENVS 1 - Introduction to Environmental Issues](#) 3 units
- [HIST 50 - Historical Process: Understanding Historical Reasoning](#) 3 units
- [HUM 1B - Humanities Honors - Silk Roads & Water Ways](#) 6 units (must complete sequence with a "C-" or better)
- [HUM 80 - Reading the World](#) 3 units
- [LING 21 - Language and Thinking](#) 3 units
- [LING 24 - Language Variation in Space, Time, & Culture](#) 3 units
- [PHIL 57 - Logic and Critical Reasoning](#) 3 units
- [POLS 20 - Controversial Legal Issues](#) 3 units

B. Scientific Inquiry and Quantitative Reasoning

9 units

Complete at least one course in 1. Physical Science, 2. Life Science, and 4. Mathematics/Quantitative Reasoning. At least one lab course (L) must be completed.

In Physical, Life, and Laboratory Science courses (B1-3), students develop knowledge of scientific theories, concepts, data about living and non-living systems, as well as the potential limits of scientific endeavors and the value systems and ethics associated with scientific inquiry.

1. Physical Science

Intensive Science: Students who have completed the Intensive Science courses with a “C- or better”, will be allowed to use these courses to fulfill the requirement in B1/B3 or B2/B3. Students may petition to have (1) grades below C- (very rarely approved), or (2) other Intensive Science courses not on the list approved as intensive science courses. Additionally, the following packages of courses, all completed with “C- or better”, will satisfy Areas B1, B2, and B3: Two courses from [PHYS 50](#), [PHYS 51](#), or [PHYS 52](#), and [CHEM 1A](#); or [PHYS 2A](#) and [PHYS 2B](#) and [CHEM 1A](#); or [CHEM 1A](#) and [CHEM 1B](#), plus a physics course. See details on the Office of Undergraduate Education’s [Student Petitions](#) website.

- [ASTR 10 - Descriptive Astronomy](#) 3 units
- [CHEM 1A - General Chemistry](#) 5 units (L) (Intensive Science)
- [CHEM 1B - General Chemistry](#) 5 units (L) (Intensive Science)
- [CHEM 30A - Introductory Chemistry](#) 3 units (L)
- [ENGR 5 - Science of High Technology](#) 3 units
- [GEOG 1 - Physical Geography](#) 3 units
- [GEOL 1 - General Geology](#) 4 units (L)
- [GEOL 3 - Planet Earth](#) 3 units
- [GEOL 6 - Geology of California](#) 3 units
- [GEOL 7 - Earth, Time and Life](#) 4 units (L)
- [GEOL 9 - Earth Disasters](#) 4 units (L)
- [METR 10 - Weather and Climate](#) 3 units
- [METR 12 - Global Warming: Science and Solutions](#) 3 units
- [NUFS 1A - Physical Science of Food](#) 3 units
- [PHYS 1 - Elementary Physics](#) 3 units
- [PHYS 2A - Fundamentals of Physics](#) 4 units (L) (Intensive Science)
- [PHYS 2B - Fundamentals of Physics](#) 4 units (L) (Intensive Science)
- [PHYS 23 - Animation Physics](#) 3 units
- [PHYS 50 - General Physics/Mechanics](#) 4 units (L) (Intensive Science)
- [PHYS 51 - General Physics/Electricity and Magnetism](#) 4 units (L) (Intensive Science)
- [PHYS 52 - General Physics/Waves, Light, Heat](#) 4 units (L) (Intensive Science)

2. Life Science

Intensive Science: Students who have completed the Intensive Science courses with a “C- or better”, will be allowed to use these courses to fulfill the requirement in B1/B3 or B2/B3. Students may petition to have (1) grades below C- (very rarely approved), or (2) other Intensive Science courses not on the list approved as intensive science courses. Additionally, the following packages of courses, all completed with “C- or better”, will satisfy Areas B1, B2, and B3: Two courses from [PHYS 50](#), [PHYS 51](#), or [PHYS 52](#), and [CHEM 1A](#); or [PHYS 2A](#) and [PHYS 2B](#) and [CHEM 1A](#); or [CHEM 1A](#) and [CHEM 1B](#), plus a physics course. See details on the Office of Undergraduate Education’s [Student Petitions](#) website.

- [ANTH 12 - Introduction to Human Evolution](#) 3 units
- [BIOL 10 - The Living World](#) 3 units
- [BIOL 20 - Ecological Biology](#) 3 units (L)
- [BIOL 21 - Human Biology](#) 3 units (L)
- [BIOL 30 - Principles of Biology I](#) 4 units (L) (Intensive Science)
- [BIOL 31 - Principles of Biology II](#) 4 units (L) (Intensive Science)
- [BIOL 65 - Human Anatomy](#) 4 units (L) (Intensive Science)
- [BIOL 65O - Human Anatomy](#) 4 units (L) (Intensive Science)
- [BIOL 66 - Human Physiology](#) 5 units (L) (Intensive Science)

- [ENVS 10 - Life on a Changing Planet](#) 3 units
- [GEOL 8 - The Age of the Dinosaurs](#) 3 units
- [GLST 1B - Introduction to Global Studies](#) 3 units
- [MICR 20 - General Bacteriology](#) 5 units (L) (*Intensive Science*)
- [NUFS 16 - Science, Physiology, and Nutrition](#) 3 units

3. Laboratory

The following courses meet the Lab requirement only.

- [BIOL 150 - Field Studies in Natural History](#) 1-2 units (L)
- [GEOL 150 - Field Studies in Natural History](#) 1-2 units (L)
- [GEOL 4L - Earth Systems Lab](#) 1 units (L)

4. Mathematics/Quantitative Reasoning

Mathematics/quantitative reasoning courses develop students' abilities to reason quantitatively, practice computational skills, and explain and apply mathematical and/or quantitative reasoning concepts to solve problems at the college level. **First year students are expected to complete this requirement within their first two semesters at SJSU.**

Minimum Grade: A minimum grade of "C-" or better (per the [CSU General Education Breadth Requirements](#)).

Intensive Math: Students who have completed an Intensive Math course with a "C- or better", will be allowed to use these courses to fulfill the requirement in B4: [MATH 30](#), [MATH 30X](#), [MATH 31](#), [MATH 31X](#), [MATH 32](#), [MATH 32X](#), [MATH 70](#), [MATH 70X](#), [MATH 71](#), or [MATH 71X](#).

- [CHAD 80 - Quantitative Analysis in Developmental Science](#) 3 units
- [CS 22A - Python for Everyone](#) 3 units
- [ESM 1 - Mathematical Reasoning](#) 3 units
- [ESM 9 - Mathematics and Logic for General Education](#) 3 units
- [ESM 10A - Mathematics in Art and Music](#) 3 units
- [ESM 10D - Probability, Data Science, Ethics, and You](#) 3 units
- [ESM 10P - Mathematics in Politics](#) 3 units
- [ESM 15 - Statway: Statistics-Concepts & Methods](#) 3 units
- [ESM 18A - College Algebra](#) 3 units
- [JS 15 - Introductory Statistics in Justice Studies](#) 3 units
- [LING 26 - Quantitative Reasoning in Linguistic Diversity](#) 3 units
- [MATH 1 - Mathematical Reasoning](#) 3 units
- [MATH 10 - Mathematics for General Education](#) 3 units
- [MATH 10A - Mathematics in Art and Music](#) 3 units
- [MATH 10D - Probability, Data Science, Ethics, and You](#) 3 units
- [MATH 10P - Mathematics in Politics](#) 3 units
- [MATH 12 - Number Systems](#) 3 units
- [MATH 15 - Statway: Statistics-Concepts & Methods](#) 3 units
- [MATH 18A - College Algebra](#) 3 units
- [MATH 19 - Precalculus](#) 5 units
- [MATH 30 - Calculus I](#) 3 units (*Intensive Math*)
- [MATH 30X - Calculus I](#) 3 units (*Intensive Math*)
- [MATH 31 - Calculus II](#) 4 units (*Intensive Math*)
- [MATH 31X - Calculus II](#) 4 units (*Intensive Math*)
- [MATH 32 - Calculus III](#) 3 units (*Intensive Math*)
- [MATH 32X - Calculus III](#) 3 units (*Intensive Math*)
- [MATH 70 - Mathematics for Business](#) 3 units (*Intensive Math*)
- [MATH 70X - Mathematics for Business](#) 3 units (*Intensive Math*)

- [MATH 71 - Calculus for Business and Aviation](#) 3 units (*Intensive Math*)
- [MATH 71X - Calculus for Business and Aviation](#) 3 units (*Intensive Math*)
- [PH 67 - Introductory Health Statistics](#) 3 units
- [PHIL 9 - Mathematics and Logic for General Education](#) 3 units
- [SOCL 15 - Statistical Applications in the Social Sciences](#) 3 units
- [SOCS 15 - Statistical Applications in the Social Sciences](#) 3 units
- [STAT 95 - Elementary Statistics](#) 3 units
- [UNVS 15 - Statway: Statistics-Concepts & Methods](#) 3 units

C. Arts and Humanities

9 units

Complete no fewer than 9 semester units, with at least one course in the Arts (C1) and one in the Humanities (C2).

In Arts and Humanities courses, students develop their understanding of the historical and cultural contexts in which works of art and humanistic inquiry are created and interpreted. Courses enable students to participate in social and cultural communities associated with artistic and humanistic endeavors, thus enriching their lives and promoting lifelong appreciation of the humanistic and creative arts.

Intensive Music: Students who have completed the Intensive Music courses, [MUSC 4A](#), [MUSC 4B](#) and [MUSC 12](#), with a “C or better”, will be allowed to use these courses to fulfill the requirements of Area C. Students may petition to have (1) grades below C (very rarely approved), or (2) other Intensive Music courses not on the list approved as intensive music courses. See details on the Office of Undergraduate Education’s [Student Petitions](#) website.

1. Arts

- [AMS 1A - American Cultures to 1877](#) 6 units (*must complete sequence*)
- [ARTH 15 - Intro to Visual Culture](#) 3 units
- [ARTH 70A - Art History, Prehistoric to Medieval](#) 3 units
- [ARTH 70B - Art History, Renaissance to Modern](#) 3 units
- [ARTH 70C - Arts of Asia](#) 3 units
- [ASIA 70C - Arts of Asia](#) 3 units
- [ARTH 72 - Design in Society](#) 3 units
- [CA 95 - Introduction to Queer Arts](#) 3 units
- [DANC 10 - Dance Appreciation](#) 3 units
- [HUM 1A - Humanities Honors - Origins, Agriculture, Empire](#) 6 units (*must complete sequence with a “C-” or better*)
- [HUM 2A - Honors - Modern World Cultures A](#) 6 units (*must complete sequence with a “C-” or better*)
- [KIN 68 - Visual Representations of Sport in Popular Culture](#) 3 units
- [MUSC 4A - Music Systems IVA](#) 2 units (*Intensive Music*)
- [MUSC 4B - Music Systems IVB](#) 1 units (*Intensive Music*)
- [MUSC 10A - Music Appreciation](#) 3 units
- [MUSC 10B - Introduction to Music](#) 3 units
- [MUSC 10C - Pop and Rock in the U.S.](#) 3 units
- [MUSC 10D - Introduction to Hip Hop](#) 3 units
- [MUSC 19 - Music in World Cultures](#) 3 units
- [ASIA 19 - Music in World Cultures](#) *Music in World Cultures* units
- [PHIL 66 - Introduction to Aesthetics](#) 3 units
- [RTVF 10 - The Art of Film](#) 3 units
- [TA 5 - Acting](#) 3 units
- [TA 10 - Theatre Appreciation](#) 3 units
- [TA 55 - Intro to Design for Theatre](#) 3 units

2. Humanities

- [AMS 1B - American Cultures 1877 to Present](#) 6 units (must complete sequence)
- [AMS 10 - Stories that Make America](#) 3 units
- [CHIN 1A - Elementary Chinese](#) 4 units
- [CHIN 1B - Elementary Chinese](#) 4 units
- [CHIN 25A - Intermediate Chinese](#) 4 units
- [CHIN 25B - Intermediate Chinese](#) 4 units
- [ENGL 1B - Argument and Analysis](#) 3 units
- [ENGL 10 - Great Works of Literature](#) 3 units
- [ENGL 20 - The Graphic Novel](#) 3 units
- [ENGL 21 - Mystery and Detective Fiction](#) 3 units
- [ENGL 22 - Fantasy and Science Fiction](#) 3 units
- [ENGL 30 - Literature and the Environment](#) 3 units
- [ENGL 40 - Contemporary World Fiction](#) 3 units
- [ENGL 71 - Creative Writing](#) 3 units
- [ENGL 78 - Introduction to Shakespeare's Drama](#) 3 units
- [FREN 1A - Elementary French](#) 4 units
- [FREN 1B - Elementary French](#) 4 units
- [FREN 25A - Intermediate French: Reading](#) 4 units
- [FREN 25B - Intermediate French: Writing](#) 4 units
- [GERM 1A - Elementary German](#) 4 units
- [GERM 1B - Elementary German](#) 4 units
- [GERM 25A - Intermediate German](#) 4 units
- [GERM 25B - Intermediate German](#) 4 units
- [HUM 2A - Honors - Modern World Cultures A](#) 6 units (must complete sequence with a "C-" or better)
- [HUM 90 - Bible History and Literature](#) 3 units
- [ITAL 1A - Elementary Italian](#) 4 units
- [ITAL 1B - Elementary Italian](#) 4 units
- [JPN 1A - Elementary Japanese](#) 4 units
- [JPN 1B - Elementary Japanese](#) 4 units
- [JPN 25A - Intermediate Japanese](#) 4 units
- [JPN 25B - Intermediate Japanese](#) 4 units
- [JWSS 90 - Bible History and Literature](#) 3 units
- [LSTP 10 - Chronicles of Education](#) 3 units
- [MDES 90 - Bible History and Literature](#) 3 units
- [MUSC 12 - Medieval and Renaissance Music](#) 3 units (Intensive Music)
- [PHIL 10 - Introduction to Philosophy](#) 3 units
- [PHIL 61 - Moral Issues](#) 3 units
- [PHIL 70A - Ancient Philosophy](#) 3 units
- [PHIL 70B - Modern Philosophy](#) 3 units
- [POLS 3 - Introduction to Political Thought](#) 3 units
- [PORT 1A - Elementary Portuguese I](#) 4 units
- [PORT 1B - Elementary Portuguese II](#) 4 units
- [RELS 70 - Gods, Guns, Gurus, Grails-World Religion](#) 3 units
- [RELS 90 - Bible History and Literature](#) 3 units
- [RUSS 1A - Elementary Russian I](#) 4 units
- [RUSS 1B - Elementary Russian II](#) 4 units
- [SPAN 1A - Elementary Spanish](#) 4 units
- [SPAN 1B - Elementary Spanish](#) 4 units
- [SPAN 20A - Spanish for Heritage Speakers I](#) 4 units
- [SPAN 20B - Spanish for Heritage Speakers II](#) 4 units

- [SPAN 25A - Intermediate Spanish](#) 4 units
- [SPAN 25B - Intermediate Spanish](#) 4 units
- [TA 13 - Great Comedies for Theatre](#) 3 units
- [TAG 1A - Elementary Tagalog I](#) 4 units
- [TAG 1B - Elementary Tagalog II](#) 4 units
- [VIET 1A - Elementary Vietnamese](#) 4 units
- [VIET 1B - Elementary Vietnamese](#) 4 units

D. Social Sciences

6 units

Complete no fewer than 6 units in Area D. Courses in the Social Sciences (Area D and Area S) must be completed in at least two different disciplines (for example, ANTH and POLS). Students who take two lower-division Area D courses in the same discipline must take an [Area S upper-division GE course](#) in a different discipline.

To earn [American Institutions \(US123\)](#) credit, students may complete two D courses that incorporate the American Institutions content, as noted below. Some courses may require completion of a 2-semester sequence in order to receive American Institutions credit ([AFAM 2A](#) / [AFAM 2B](#), ([AAS 33A](#) / [AAS 33B](#), [CCS 10A](#) / [CCS 10B](#)).

Social Science courses increase students' understanding of human behavior and social interaction in the context of value systems, economic structures, political institutions, social groups, and natural environments.

- [AAS 20 - Women of Color in the U.S.](#) 3 units
- [AAS 33A - Asian Americans in U.S. History I](#) 3 units (must complete sequence)
- [AAS 33B - Asian Americans in U.S. History II](#) 3 units (must complete sequence)
- [AFAM 2A - African Americans and the Development of America's History and Government](#) 3 units (must complete sequence)
- [AFAM 2B - African Americans and the Development of America's History and Government](#) 3 units (must complete sequence)
- [AMS 1A - American Cultures to 1877](#) 6 units (must complete sequence)
- [AMS 1B - American Cultures 1877 to Present](#) 6 units (must complete sequence)
- [ANTH 11 - Cultural Anthropology](#) 3 units
- [CCS 10A - Mexican Americans and the Development of U.S. History and Government](#) 3 units (must complete sequence)
- [CCS 10B - Mexican Americans and the Development of U.S. History and Government](#) 3 units (must complete sequence)
- [CHAD 75 - Imagination, Play and Adult Creativity](#) 3 units
- [CHAD 76 - Child Development Among Media and Emerging Technologies](#) 3 units
- [COMM 10 - Communication and Human Relationships](#) 3 units
- [COMM 21 - Performing Culture and Society](#) 3 units
- [CS 25 - The Digital World and Society](#) 3 units
- [ENGR 25 - The Digital World and Society](#) 3 units
- [ECON 1B - Principles of Economics: Microeconomics](#) 3 units
- [GEOG 10 - Cultural Geography](#) 3 units
- [GEOG 12 - World Regional Geography](#) 3 units
- [HIST 1A - World History to 1500](#) 3 units
- [HIST 1B - World History from 1500](#) 3 units
- [HIST 10A - Western Civilization](#) 3 units
- [HIST 10B - Western Civilization](#) 3 units
- [HIST 15 - Essentials of U.S. History](#) 3 units
- [HUM 2B - Honors - Modern World Cultures B](#) 6 units (must complete sequence with a "C-" or better)
- [JOUR 50 - Navigating the News](#) 3 units
- [JS 25 - Introduction to Human Rights and Justice](#) 3 units
- [LING 20 - Nature of Language](#) 3 units
- [LING 24 - Language Variation in Space, Time, & Culture](#) 3 units
- [LING 25 - Languages of the World](#) 3 units
- [MCOM 72 - Mass Communication and Society](#) 3 units

- [PH 15 - Human Life Span](#) 3 units
- [POLS 2 - Introduction to Comparative Politics](#) 3 units
- [POLS 4 - Introduction to International Relations](#) 3 units
- [POLS 15 - Essentials of U.S. & California Government](#) 3 units
- [PSYC 1 - Introduction to Psychology](#) 3 units
- [RECL 15 - Human Life Span](#) 3 units
- [SOCI 1 - Introduction to Sociology](#) 3 units
- [SOCI 80 - Social Problems](#) 3 units
- [WGSS 5Q - Gender, Race & Sexuality in Media](#) 3 units
- [WGSS 10 - Women, Gender, and Sexuality Studies](#) 3 units
- [WGSS 20 - Women of Color in the U.S.](#) 3 units

E. Human Understanding & Development

3 units

Complete one course.

Human Understanding and Development courses prepare students for lifelong learning and enhance their understanding of the factors that contribute to overall well-being in college and across the human lifespan. Students also learn skills to employ available university resources to support academic and personal development.

- [ANTH 25 - Human Lifecourse in Context](#) 3 units
- [BIOL 54 - Human Understanding](#) 3 units
- [BUS3 12 - Managing My life](#) 3 units
- [CA 60 - Creativity Matters](#) 3 units
- [CHAD 60 - Child Development](#) 3 units
- [CHAD 70 - Lifespan Development in a Global Context](#) 3 units
- [COMM 74 - Fundamentals of Intercultural Communication](#) 3 units
- [COMM 74Q - Fundamentals of Intercultural Communication](#) 3 units
- [EDCO 4 - Personal, Academic and Career Exploration](#) 3 units
- [EDCO 4FY - Personal, Academic and Career Exploration](#) 3 units
- [ENGR 10 - Introduction to Engineering](#) 3 units (specified majors only)
- [GEOL 5 - Sustainability, Human Development, and the Earth](#) 3 units
- [GERO 99 - Death, Dying and Religions](#) 3 units
- [HUM 1A - Humanities Honors - Origins, Agriculture, Empire](#) 6 units
(must complete sequence with a "C-" or better)
- [HUM 99 - Death, Dying and Religions](#) 3 units
- [KIN 69 - Stress Management: A Multidisciplinary Perspective](#) 3 units
- [LING 22 - Language across the Lifespan](#) 3 units
- [MUSC 8 - The Artist's Way](#) 3 units
- [NUFS 9 - Introduction to Human Nutrition](#) 3 units
- [NUFS 10 - Basic Life Skills](#) 3 units
- [PH 1 - Understanding Your Health](#) 3 units
- [PHIL 12 - Philosophy of the Person](#) 3 units
- [PSYC 2Q - Identity Development and Prejudice](#) 3 units
- [RECL 10 - Creating a Meaningful Life](#) 3 units
- [RELS 99 - Death, Dying and Religions](#) 3 units
- [SCED 5 - Sustainability, Human Development, and the Earth](#) 3 units
- [SCI 2 - Success in Science](#) 3 units
- [SOCI 57 - Community Involvement and Personal Growth](#) 3 units
- [TA 48 - Voice & Movement for the Actor](#) 3 units

F. Ethnic Studies

3 units

Complete one course.

Ethnic Studies courses give students the knowledge and skills necessary for comprehending continued sovereignty movements, the racial and ethnic dynamics, and settler colonial histories and social justice movements in the United States, and the socio-historical origins, processes, and consequences of racial construction, racialization, and racial oppression in the society in which they live. Students learn core interdisciplinary and comparative concepts and frameworks in ethnic studies with a focus on understanding race and ethnicity as they apply to the historically defined racialized core groups: Native Americans, African Americans, Asian Americans, and Chicana/Latina Americans. Students gain the skills to better operate as responsible, informed, and constructive citizens in an evolving multiracial and multicultural democracy.

Minimum Grade: A minimum grade of "C-" or better (per the SJSU General Education Requirements).

- [AAS 1 - Introduction to Asian American Studies](#) 3 units
- [AAS 25 - The Changing Majority: Power and Ethnicity in America](#) 3 units
- [AAS 159 - Asian American Media Representation and Popular Culture](#) 3 units
- [AFAM 22 - The Humanities in African American Culture](#) 3 units
- [AFAM 25 - The Changing Majority: Power and Ethnicity in America](#) 3 units
- [AFAM 134 - The Black Civil Rights Movements](#) 3 units
- [AFAM 158 - Race, Sport, Activism & Social Movements](#) 3 units
- [AFAM 162 - The Aesthetics of Hip-Hop](#) 3 units
- [CCS 1 - Introduction to Chicana and Chicano Studies](#) 3 units
- [CCS 25 - The Changing Majority: Power and Ethnicity in America](#) 3 units
- [CCS 30 - Race and Ethnicity in Public Space](#) 3 units

SJSU Studies - Upper Division Requirements

Students complete 9 units of SJSU studies upper division general education courses (Areas R/S/V). In some cases, SJSU Studies areas are integrated in a single course or overlap with the [major](#).

Grade Option: Areas R, S, and V must be taken for a letter grade.

Second baccalaureate students who earned their first bachelor degree from a regionally accredited institution in the U.S. are not required to take SJSU Studies unless specific courses are required by the major.

Transfer students who complete any portion of upper division GE at another CSU campus may request equivalency for coursework in SJSU Studies. Contact the [Undergraduate Education Office](#) for evaluation of coursework.

Areas R, S, and V

9 units

Complete one course from each area.

Minimum Prerequisites:

1. Completion of core GE;
2. Satisfaction of Writing Skills Test (temporarily suspended - see the [Writing Across the Curriculum](#) website). Students who fail the WST may satisfy this requirement by passing [ENGL 100A](#) or [LLD 100A](#) with a grade of "C or better.";
3. Upper division standing; and,
4. Pre/Corequisite: a 100W course is strongly recommended.

Year-Long Course Sequences: Students enroll in 6 units in the fall and 3 units in the spring.

- [HUM 177A/HUM 177B - Advanced Honors in Integrated Science, Social Science, and Humanities](#)

R. Earth, Environment, and Sustainability

In Earth, Environment and Sustainability courses, students apply knowledge of scientific theories and concepts as well as quantitative reasoning to explore the relationship between humans and the natural environment. Students achieve an understanding of the role that science plays in addressing complex issues, as well as the potential limits of scientific endeavors and the value systems and ethics associated with scientific inquiry.

- [AMS 139 - Animals and Society](#) 3 units
- [ANTH 160 - Reconstructing Lost Civilizations](#) 3 units
- [ASTR 101 - Modern Astronomy](#) 3 units
- [BIOL 100W - Scientific Communication Workshop](#) 3 units (specified majors only)
- [BIOL 101 - Origins of Life](#) 3 units
- [BIOL 110 - Biodiversity and Biopolitics](#) 3 units
- [BIOL 135B - Eukaryotic Cell and Molecular Biology II](#) 3 units (specified majors only)
- [BIOL 159 - Integrative Biology](#) 3 units (specified majors only)
- [BIOL 160 - Ecology](#) 4 units (specified majors only)
- [BIOL 178 - Integrative Physiology](#) 3 units (specified majors only)
- [BOT 160 - Ecology](#) 4 units (specified majors only)
- [CHAD 130 - Coding for Scientific Discovery](#) 3 units
- [CHEM 131B - Biochemistry Lab](#) 3 units (specified majors only)
- [COMM 168B - Global Climate Change II](#) 3 units
- [ENGR 100W - Engineering Reports](#) 3 units (specified majors only)
- [ENGR 108 - Green Electronics](#) 3 units
- [ENGR 119 - Energy and the Environment](#) 3 units
- [ENVS 111 - Geology and the Environment](#) 3 units
- [ENVS 113 - Atmospheric Pollution](#) 3 units
- [ENVS 119 - Energy and the Environment](#) 3 units
- [ENVS 152 - Globalization and the Environment](#) 3 units
- [ENVS 168B - Global Climate Change II](#) 3 units
- [GEOG 107 - Mapping the World](#) 3 units
- [GEOL 103 - Earth Systems and the Environment](#) 3 units
- [GEOL 105 - General Oceanography](#) 3 units
- [GEOL 107 - Prehistoric Life](#) 3 units
- [GEOL 111 - Geology and the Environment](#) 3 units
- [GEOL 112 - Hazards, Risks of Earthquakes and Volcanoes](#) 3 units
- [GEOL 124 - Sedimentology and Stratigraphy](#) 3 units
- [GLST 167 - Changing Ecologies of Globalization](#) 3 units
- [HUM 177A - Advanced Honors in Integrated Science, Social Science, and Humanities](#) 6 units
- [HUM 177B - Advanced Honors in Integrated Science, Social Science, and Humanities](#) 3 units
- [KIN 163 - Physical Fitness and Nutrition](#) 3 units
- [LING 123 - Sound and Communication](#) 3 units
- [METR 112 - Global Climate Changes](#) 3 units
- [METR 113 - Atmospheric Pollution](#) 3 units
- [METR 115 - Wildfire in the Earth System](#) 3 units
- [METR 116 - Impacts of Extreme Weather under Climate Change](#) 3 units
- [METR 168B - Global Climate Change II](#) 3 units
- [MICR 127 - Microbial Physiology](#) 3 units (specified majors only)
- [MUSC 166 - Physics of Music](#) 3 units
- [NUFS 115 - Issues in Food Toxicology](#) 3 units
- [NUFS 139 - Hunger and Environmental Nutrition](#) 3 units
- [NUFS 163 - Physical Fitness and Nutrition](#) 3 units

- [NURS 164AR - Community Health Theory for Nursing BS Program](#) 3 units
- [NURS 172R - Community Health Theory for RN to BSN Program](#) 3 units
- [PH 172 - Contemporary Environmental Health Issues](#) 3 units
- [PHIL 160 - Philosophy of Science](#) 3 units
- [PHYS 166 - Physics of Music](#) 3 units
- [PKG 152 - Globalization and the Environment](#) 3 units

S. Self, Society & Equality in the U.S.

Students in courses in Self, Society & Equality in the U.S. study the interrelationships of individuals, racial groups, and cultural groups to understand and appreciate issues of equality, structured inequality, and justice in the United States. By exploring different perspectives and helping students articulate and discuss their own values, Area S courses prepare students to live and work responsibly and cooperatively in a multicultural society.

Courses in the Social Sciences (Area D and Area S) must be completed in at least two different disciplines. Students who take two lower-division Area D courses in the same discipline must take an Area S upper-division GE course in a different discipline.

- [AE 171A - Aircraft Design I](#) 3 units (specified majors only)
- [AE 172A - Spacecraft Design I](#) 3 units (specified majors only)
- [AAS 175 - Asian American Communities](#) 3 units
- [AMS 169 - The American Dream](#) 3 units
- [ANTH 140 - Human Sexuality](#) 3 units
- [BIOL 140 - Human Sexuality](#) 3 units
- [BME 198A - Senior Design Project I](#) 2 units (specified majors only)
- [BUS3 186 - Professional and Business Ethics](#) 3 units
- [CA 172 - The Arts in U.S. Society](#) 3 units
- [CCS 130 - Chicanas and Chicanos in American Society](#) 3 units
- [CCS 160 - Gender and Sexuality in the Chicana/o Community](#) 3 units
- [CHAD 102 - Development of Self in a Culturally Diverse Society](#) 3 units
- [COMM 157SL - Community Action/Community Service](#) 3 units
- [COMM 168A - Global Climate Change I](#) 6 units (S/V)
- [COMM 174 - Intercultural Comm & Struct Inequality](#) 3 units
- [CMPE 195A - Senior Design Project I](#) 2 units (specified majors only)
- [EDLD 101 - Rediscovering Disability Studies at the Intersections](#) 3 units
- [EDLD 160 - 1st Generation College Students Pathways](#) 3 units
- [EDSE 102 - Speech, Language & Typical, Atypical Dev](#) 3 units
- [EDUC 157SL - Community Action/Community Service](#) 3 units
- [EE 198A - Senior Design Project I](#) 1 units (specified majors only)
- [ENGL 117A - American Literature, Film, & Culture](#) 3 units
- [ENGL 169 - Ethnicity in American Literature](#) 3 units
- [ENGL 172 - The Arts in U.S. Society](#) 3 units
- [ENGR 157SL - Community Action/Community Service](#) 3 units
- [ENGR 195A - Global and Social Issues in Engineering](#) 1 units (specified majors only)
- [ENGR 195C - Interdisciplinary Senior Project I](#) 3 units (specified majors only)
- [ENVS 150 - Introduction to Environmental Thought](#) 3 units
- [ENVS 168A - Global Climate Change I](#) 6 units (S/V)
- [GEOG 140 - The United States](#) 3 units
- [GERO 107 - Aging and Society](#) 3 units
- [HA 157SL - Community Action/Community Service](#) 3 units
- [HIST 170S - Topics in American History: American Identities and Institutions](#) 3 units
- [HIST 185 - LGBTQ+ History in the United States](#) 3 units
- [HIST 188 - History of Women in the United States](#) 3 units

- [HUM 169 - The American Dream](#) 3 units
- [HUM 177A - Advanced Honors in Integrated Science, Social Science, and Humanities](#) 6 units
- [HUM 177B - Advanced Honors in Integrated Science, Social Science, and Humanities](#) 3 units
- [HUM 191 - Religion in America](#) 3 units
- [JS 132 - Race, Gender, Inequality and the Law](#) 3 units
- [JS 136 - Family and Community Violence](#) 3 units
- [KIN 101 - Sport in America](#) 3 units
- [KIN 169 - Diversity, Stress and Health](#) 3 units
- [LING 129 - Culture, Language and Ethnicity in the U.S.](#) 3 units
- [LSTP 139 - Education and \(In\)Equality](#) 3 units
- [MATE 198A - Senior Design Project](#) 2 units (specified majors only)
- [ME 195A - Senior Design Project I](#) 3 units (specified majors only)
- [METR 168A - Global Climate Change I](#) 6 units (S/V)
- [MUSC 120 - Worlds of Jazz](#) 3 units
- [MUSC 172 - The Arts in U.S. Society](#) 3 units
- [NUFS 135 - Health Issues in a Multicultural Society](#) 3 units
- [NURS 135 - Health Issues in a Multicultural Society](#) 3 units
- [NURS 138 - Professional Role Development VI](#) 3 units
- [NURS 178 - Leadership III](#) 3 units
- [NURS 178A - Leadership](#) 3 units
- [PH 107 - Aging and Society](#) 3 units
- [PH 135 - Health Issues in a Multicultural Society](#) 3 units
- [PH 140 - Human Sexuality](#) 3 units
- [PH 169 - Diversity, Stress and Health](#) 3 units
- [PHIL 186 - Professional and Business Ethics](#) 3 units
- [POLS 120 - Law and Society](#) 3 units
- [PSYC 191 - The Psychology of Prejudice](#) 3 units
- [RECL 111 - Leisure, Culture, and Identity](#) 3 units
- [RELS 162 - Religion and Political Controversy in the US](#) 3 units
- [RELS 191 - Religion in America](#) 3 units
- [RTVF 110 - Media and Culture](#) 3 units
- [SCI 157SL - Community Action/Community Service](#) 3 units
- [SCWK 107 - Aging and Society](#) 3 units
- [SOCI 162 - Race and Ethnic Relations](#) 3 units
- [SOCS 138 - US History for Teachers](#) 3 units
- [TA 172 - The Arts in U.S. Society](#) 3 units
- [URBP 101 - The City](#) 3 units
- [WGSS 101 - Sex, Power, and Politics](#) 3 units

V. Cultures and Global Understanding

Courses in Cultures and Global Understanding examine multiple aspects of human expression in cultures and societies outside the United States, including how such cultures develop and influence one another as well as U.S. cultures and societies.

- [AE 171B - Aircraft Design II](#) 3 units (specified majors only)
- [AE 172B - Spacecraft Design II](#) 3 units (specified majors only)
- [AMS 159 - Nature and World Cultures](#) 3 units
- [ANTH 114 - Legacy of Asia](#) 3 units
- [ANTH 115 - The Emerging Global Culture](#) 3 units
- [ANTH 122 - Magic, Science and Religion](#) 3 units
- [ANTH 145 - Middle Eastern Traditions](#) 3 units

- [ANTH 146 - Culture and Conflict](#) 3 units
- [ARTH 193A - Worlds of Art and Culture](#) 3 units
- [ARTH 193B - East Meets West in Art](#) 3 units
- [ASIA 104 - Asian Philosophy](#) 3 units
- [ASIA 114 - Legacy of Asia](#) 3 units
- [ASIA 115 - The Emerging Global Culture](#) 3 units
- [ASIA 122 - English as a World Language](#) 3 units
- [ASIA 140 - Chinese Culture and Politics Through Literature](#) 3 units
- [ASIA 193B - East Meets West in Art](#) 3 units
- [AVIA 198 - Aviation and Human Civilization](#) 3 units
- [BME 198B - Senior Design Project II](#) 2 units (specified majors only)
- [CA 173 - Thinking About Contemporary World Arts](#) 3 units
- [CHAD 106 - Concepts of Childhood](#) 3 units
- [CHIN 140 - Chinese Culture and Politics Through Literature](#) 3 units
- [CMPE 195B - Senior Design Project II](#) 3 units (specified majors only)
- [CMPE 198 - Technology and Civilization](#) 3 units
- [COMM 168A - Global Climate Change I](#) 6 units
- [COMM 179 - Global Media and Resistance](#) 3 units
- [DANC 102 - Dance in World Cultures](#) 3 units
- [EDLD 120 - The Right to Learn: Language, Dignity, and Education](#) 3 units
- [EDSE 124 - Methodologies for Eng Learners w/ out Dis](#) 3 units
- [EE 198B - Senior Design Project II](#) 3 units (specified majors only)
- [ENGL 117B - Global Film, Literature, and Cultures](#) 3 units
- [ENGL 123A - Literature for Global Understanding-The Americas](#) 3 units
- [ENGL 123B - Literature for Global Understanding-Africa](#) 3 units
- [ENGL 123C - Literature for Global Understanding-Oceania](#) 3 units
- [ENGL 123D - Literature for Global Understanding-Asia](#) 3 units
- [ENGL 126 - Holocaust Literature](#) 3 units
- [ENGL 127 - Contemporary Theatre](#) 3 units
- [ENGL 173 - Thinking About Contemporary World Arts](#) 3 units
- [ENGR 195B - Global and Social Issues in Engineering](#) 1 units (specified majors only)
- [ENGR 195D - Interdisciplinary Senior Project II](#) 3 units * (specified majors only)
- [ENGR 198 - Technology and Civilization](#) 3 units
- [ENVS 159 - Nature and World Cultures](#) 3 units
- [ENVS 168A - Global Climate Change I](#) 6 units
- [FORL 126 - Holocaust Literature](#) 3 units
- [FREN 102B - Francophone Cultures: Through Literature and Cinema](#) 3 units
- [GEOG 112 - Nations, Cultures & Globalization](#) 3 units
- [GLST 143 - Gender, Power, Intl Dev](#) 3 units
- [GLST 188 - Special Topics in International Experiences](#) 3 units
- [HIST 153 - History of Women in Europe](#) 3 units
- [HIST 155 - 20th Century World](#) 3 units
- [HUM 114 - Legacy of Asia](#) 3 units
- [HUM 126 - Holocaust Literature](#) 3 units
- [HUM 128 - Perspectives on the Twentieth Century: The West in a Global Context](#) 3 units
- [HUM 159 - Nature and World Cultures](#) 3 units
- [HUM 177A - Advanced Honors in Integrated Science, Social Science, and Humanities](#) 6 units
- [HUM 177B - Advanced Honors in Integrated Science, Social Science, and Humanities](#) 3 units
- [ISE 151 - Engineering Management Systems in Global Society](#) 3 units
- [JPN 102B - Local and Minority Cultures in Japan](#) 3 units
- [JS 171 - Human Rights and Justice](#) 3 units

- [JWSS 126 - Holocaust Literature](#) 3 units
 - [KIN 111 - Sport & Movement in a Global Context](#) 3 units
 - [KIN 111ITL - Sport & Movement in a Global Context: International Experience](#) 3 units
 - [LING 122 - English as a World Language](#) 3 units
 - [MATE 198B - Senior Design Project](#) 2 units (specified majors only)
 - [MDES 145 - Middle Eastern Traditions](#) 3 units
 - [ME 195B - Senior Design Project II](#) 3 units (specified majors only)
 - [ME 198 - Technology and Civilization](#) 3 units
 - [METR 168A - Global Climate Change I](#) 6 units
 - [MUSC 117 - Music and Culture in Latin America](#) 3 units
 - [MUSC 173 - Thinking About Contemporary World Arts](#) 3 units
 - [NUFS 144 - Food Culture: Consuming Passions](#) 3 units
 - [NURS 110ITL - Global Influences on Health](#) 3 units
 - [PHIL 104 - Asian Philosophy](#) 3 units
 - [PHIL 110 - Science, Technology and Human Values](#) 3 units
 - [PHIL 133 - Ethics in Science](#) 3 units
 - [PHIL 134 - Computers, Ethics and Society](#) 3 units
 - [POLS 150 - War and Peace](#) 3 units
 - [POLS 170V - American Politics in Global Perspective](#) 3 units
 - [RELS 104 - Asian Philosophy](#) 3 units
 - [RELS 114 - Legacy of Asia](#) 3 units
 - [RELS 122 - Magic, Science and Religion](#) 3 units
 - [RELS 145 - Middle Eastern Traditions](#) 3 units
 - [RTVF 111 - Alternative Cinema](#) 3 units
 - [SOCS 139 - World History for Teachers](#) 3 units
 - [SPAN 102B - Hispanic American Culture](#) 3 units
 - [TA 127 - Contemporary Theatre](#) 3 units
 - [TA 173 - Thinking About Contemporary World Arts](#) 3 units
 - [TECH 198 - Technology and Civilization](#) 3 units
 - [WGSS 102 - The Global Study of Women](#) 3 units
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