Additional Ways to Meet LOTE Area 6 Requirement

- Completion of two years of the same foreign language in high school level work with a grade of "C" or better.
- SAT II: Subject Tests in languages other than English with minimum scores as indicated below: Before May 1995 use 1st score; if taken after May 1995 use 2nd score.
- Advanced Placement (AP) examinations in languages other than English with a score of 3 or higher.
- International Baccalaureate Higher Level (IBHL) examinations in languages other than English with a score of 5 or higher.
- (International) General Certificate of Secondary Education [(I)GCSE]/General Certificate of Education.
- (GCE) "O" level exams in languages other than English with a grade of "A", "B", or "C."
- General Certificate of Education (GCE) "A" Level exams in languages other than English with a grade of "A", "B" or "C."
- Satisfactory completion of an achievement test administered by a community college, university, or other college in a language other than English. The test will have to assess the student's proficiency at the level equivalent to two years of high school language. This conclusion must be posted on a transcript indicating unit, course title and grade or on a document with letterhead of the institution granting proficiency stating that the student has mastered proficiency in the language equivalent to two years of high school language. If an achievement test is not available, a faculty member associated with a United States regionally accredited institution of higher education can verify a student's competency. The institution must provide a document on letterhead asserting that the student has mastered proficiency in the language equivalent to two years/second level of high school instruction. (See IGETC Standards Section 11.6 for a sample. This sample must be printed on college/ university letterhead.)
    - Seventh and Eighth Grade Courses: High school-level courses in languages other than English completed (in junior high/middle school) during 7th and/or 8th grades, with letter grades of at least "C-" may be used (see Section 9.3/10.6.2d). This may be done by including the names of and grades for these courses on the student's transcript, or by stating their equivalency on the transcript. The 7th and 8th grade courses may also be validated if the student completes one semester or more of the same language in the high school at a higher level.
    - In an institution where the language of instruction is not English, formal schooling through the sixth grade level or higher. Appropriate documentation must be presented to substantiate the language of instruction. If an official sealed transcript cannot be obtained from an international institution, an unofficial or opened transcript may be used.
    - More advanced language courses that focus on culture and otherwise satisfy the specifications of the humanities can also be used to satisfy an Area 3B (Humanities) requirement and clear IGETC Area 6A, Language Other Than English (LOTE).

San Joaquin Delta College Associate Degree General Education Pattern

The Chancellor's Office for the California Community Colleges deems that the governing board of community colleges shall establish a general education program which symbolizes a successful attempt on the part of the college to lead students through patterns of learning experiences designed to develop certain capabilities and insights.

Among these are the ability to think and to communicate clearly and effectively both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insight gained through experience in thinking about ethical problems; and to develop the capacity for self-understanding. In addition to these accomplishments, the student shall possess sufficient depth in one field of knowledge to contribute to lifetime interest.

General education is designed to introduce students to the variety of means through which people comprehend the modern world. It reflects the conviction of colleges that those who receive their degrees must possess in common certain basic principles, concepts and methodologies both unique to and shared by the various disciplines. College educated persons must be able to use this knowledge when evaluating and appreciating the physical environment, the culture and the society in which they live.

Each candidate for San Joaquin Delta College's Associate in Arts degree or Associate in Science degree shall:

1. Complete a minimum of twenty-seven (27) semester units of general education coursework as indicated in categories I through VII below with a cumulative grade point average of 2.0 or higher.
2. Complete courses in satisfaction of Area 1, Language and Rationality, and Area 7, Ethnic Studies, with a grade of "C" or better in each course.
3. Complete a minimum of eighteen (18) semester units in a major or area of emphasis with a grade of "C" or better in each course.

4. Complete a minimum of sixty (60) degree applicable units with a cumulative grade point average of 2.0 or higher.

A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement. Although a course may be listed under more than one area, a course cannot be used to satisfy more than one general education area. Students planning to transfer should see a counselor for assistance in determining if the CSU-GE or IGETC general education pattern might be more appropriate for their selected major.

Program Learning Outcomes

1. Language and Rationality
    A. English Composition
    Students will demonstrate clear and precise written expression and critical evaluation of communication in the English language.
    B. Mathematics
    Students will demonstrate the ability to use mathematical concepts and principles in real-world contexts.
    C. Oral Communication
    Students will demonstrate clear and precise oral expression and critical evaluation of communication in the English language.
2. Natural Sciences
    Students will demonstrate an understanding of the scientific method and the relationship between science and human activities.
3. Humanities
    Students will recognize the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural forms.
4. American Institutions
    Students will demonstrate an understanding of the historical development of American institutions and ideals, the Constitution, and the representative forms of government that exist at the national, state and local level.
5. Social and Behavioral Science
    Students will demonstrate knowledge of the modes of inquiry and theories that are used to think critically about the ways people act and have acted in response to their societies.
6. Lifelong Learning and Self-Development
    Students will demonstrate individual competencies and personal responsibility through exploration and analysis of their role in society.
7. Ethnic Studies
    Students will demonstrate a critical analysis and understanding of the cultural, economic, political, and social experiences of Native Americans, Chicana/o and Latina/o Americans, Black/African Americans, and/or Asian Americans in the United States.

Area 1 - Language and Rationality

Complete 9 units with at least one course each from 1A-English Composition, 1B-Mathematics, and 1C-Oral Communication. Courses in this area must be completed with a grade of "C" or better.

1A: English Composition

- ENGL C1000 Academic Reading and Writing **Units:** 3
- ENGL C1000E Academic Reading and Writing Embedded Support **Units:** 4

1B: Mathematics

- BUS 67 Introduction to Personal Finance **Units:** 3
- COMM 14 Statistical Analysis for Communication **Units:** 3
- LAW 26 Introductory Statistical Analysis for Law, Policy, and Justice Studies **Units:** 4
- MATH 1 Calculus I **Units:** 5
- MATH 2 Calculus II **Units:** 4
- MATH 3 Multivariable Calculus **Units:** 4
- MATH 4 Differential Equations **Units:** 4
- MATH 5 Linear Algebra **Units:** 4
- MATH 13 Survey of Calculus **Units:** 4
- MATH 17A Concepts and Structures of Mathematics **Units:** 3
- MATH 20 Finite Mathematics **Units:** 3
- MATH 37 College Algebra **Units:** 3
- MATH 37EX College Algebra with Support **Units:** 4
- MATH 38A Precalculus I **Units:** 4
- MATH 38AEX Precalculus I with Support **Units:** 6
- MATH 38B Precalculus II **Units:** 4
- MATH 38BEX Precalculus II with Support **Units:** 4.5
- MATH 39 Precalculus **Units:** 6
- PSYC 2 Statistical Methods for Psychology & Social Science **Units:** 3
- STAT C1000 Introduction to Statistics **Units:** 4
- STAT C1000E Introduction to Statistics Embedded Support **Units:** 4.5

1C: Oral Communication

- COMM C1000 Introduction to Public Speaking **Units:** 3
- COMM 8 Small Group Communication **Units:** 3

Area 2 - Natural Sciences

Complete a minimum of 3 units.

- ANTHR 2 Biological Anthropology **Units:** 3
- ASCI 10 Principles of Animal Science **Units:** 3
- ASTRO 1 Introductory Astronomy **Units:** 3
- ASTRO 11 Astronomy of the Solar System **Units:** 4

- ASTRO 12 Astronomy: Stars, Galaxies, and the Universe **Units:** 4
- BIOL 1 Cell and Molecular Biology **Units:** 4
- BIOL 2 Zoology/Animal Diversity and Evolution **Units:** 5
- BIOL 3 Plant Diversity and Ecology **Units:** 4
- BIOL 10 Survey of Biology **Units:** 4
- BIOL 11 Human Biology **Units:** 4
- BIOL 23 General Microbiology **Units:** 5
- BIOL 31 Human Anatomy **Units:** 4
- BIOL 32 Human Physiology **Units:** 5
- BIOL 33 Anatomy & Physiology **Units:** 6
- CHEM 1A General Chemistry **Units:** 5
- CHEM 1B General Chemistry **Units:** 5
- CHEM 3A Introduction to Chemistry **Units:** 4
- CHEM 10 Exploring Everyday Chemistry **Units:** 3
- CHEM 12A Organic Chemistry **Units:** 5
- CHEM 12B Organic Chemistry **Units:** 5
- FCS 6 Nutrition **Units:** 3
- GEOG 1 Physical Geography **Units:** 3
- GEOL 1A Physical Geology w/Lab **Units:** 4
- GEOL 1B Historical Geology w/Lab **Units:** 4
- GEOL 2 Introduction to Environmental Science **Units:** 3
- GEOL 5 Earth Science **Units:** 3
- GEOL 5A Earth Science with Laboratory **Units:** 4
- GEOL 15 Environmental Geology **Units:** 3
- GEOL 16 Oceanography **Units:** 3
- N R 2 Environmental Science **Units:** 3
- PHSCI 1 Conceptual Physical Science **Units:** 3
- PHYSC 2A General Physics **Units:** 4
- PHYSC 4A Principles of Physics: Mechanics **Units:** 4
- PHYSC 10 Introduction to Physics **Units:** 4
- PLANT 10 Principles of Plant Science **Units:** 3
- PLANT 14 Soil Science **Units:** 4
- PSYC 5 Introduction to Biological Psychology **Units:** 4

Area 3 - Humanities

Complete a minimum of 3 units.

- ANTHR /HUM 4 Introduction to Linguistics **Units:** 3
- ART 1A Art History: Europe from Prehistory to 1400 **Units:** 3
- ART 1B Art History: Europe from the Fifteenth to the Twentieth Century **Units:** 3
- ART 1C Modern and Contemporary Art History **Units:** 3
- ART 2 Art History of the Non-Western World **Units:** 3
- ART 3 Art Appreciation **Units:** 3
- ART 6 2D Design and Color **Units:** 3
- ART 7A Painting I **Units:** 3
- ART 12 3-D Design **Units:** 3
- ART 20A Sculpture I **Units:** 3
- ART 33A Beginning Drawing **Units:** 3
- ART 40A Printmaking I **Units:** 3
- ART 64A Ceramics I **Units:** 3
- CHIN 1 Elementary Chinese I **Units:** 5
- CIVIL /HUM 3 Autobiography of Civilization **Units:** 3
- COMM 2 Oral Interpretation of Literature **Units:** 3
- COMM 13 Readers Theater **Units:** 3
- CUL ART 16 Gastronomies of the World **Units:** 3
- DANCE 29 Dance Appreciation **Units:** 3
- DANCE 32 Dance Cultures **Units:** 3
- DANCE 35A Afro-Caribbean Dance I **Units:** 3
- DANCE 37A West African Dance I **Units:** 2
- DRAMA 10 Introduction to Theatre **Units:** 3
- DRAMA 16A History of Theatre: Primitive to the 18th Century **Units:** 3
- DRAMA 16B History of Theatre:18th Century to Present **Units:** 3
- DRAMA 31 Acting I: Introduction to Acting **Units:** 3
- ENGL 30 The Film as Literature **Units:** 3
- ENGL 35 Chicano Literature **Units:** 3
- ENGL 37 Women in Literature **Units:** 3
- ENGL 38 Mythology **Units:** 3
- ENGL 42A Survey of American Literature I **Units:** 3
- ENGL 42B Survey of American Literature II **Units:** 3
- ENGL 43C World Literature I **Units:** 3
- ENGL 43D World Literature II **Units:** 3
- ENGL 45 Introduction to Shakespeare **Units:** 3
- ENGL 46A Survey of British Literature I **Units:** 3
- ENGL 46B Survey of British Literature II **Units:** 3
- ENGL 49A Introduction to Creative Writing **Units:** 3
- ENGL 49C Creative Writing: Poetry **Units:** 3
- ENGL 49D Creative Writing: Play and Screen Writing **Units:** 3
- ENGL 52 From Story to Screen **Units:** 3
- ENGL 57 Children's Literature **Units:** 3
- ENGL 61 Hip Hop Poetics **Units:** 3
- ENGL 62A Race and Ethnicity in Literature **Units:** 3
- ENGL 62B Contemporary African American Literature **Units:** 3
- ENGL 62C Asian American Literature **Units:** 3
- ENGL 62D Indigenous American Literature **Units:** 3
- ENGL 62E Introduction to Latino/a Literature **Units:** 3
- FASHION 8 History of Fashion to the Twentieth Century **Units:** 3
- FASHION 9 History of Fashion from the Twentieth Century to Present **Units:** 3
- FASHION 10 Clothing and Culture **Units:** 3
- FREN 1 Elementary French I **Units:** 4

- FREN 2 Elementary French II **Units:** 4
- FREN 3 Intermediate French I **Units:** 4
- FREN 4 Intermediate French II **Units:** 4
- GERM 1 Elementary German I **Units:** 5
- GERM 2 Elementary German II **Units:** 5
- HIST 2A World History to 1600 **Units:** 3
- HIST 2B World History Since 1600 **Units:** 3
- HIST 4A History of Western Civilization **Units:** 3
- HIST 4B History of Western Civilization **Units:** 3
- HIST 6A History of Asian Civilizations **Units:** 3
- HIST 6C History of the Middle East **Units:** 3
- HIST 7 History Through Film **Units:** 3
- HIST 17A History of the United States **Units:** 3
- HIST 17B History of the United States **Units:** 3
- HIST 27 Women in History **Units:** 3
- HIST 30A African-American History to 1877 **Units:** 3
- HIST 30B African-American History Since 1877 **Units:** 3
- HIST 31 Mexican-American History **Units:** 3
- HIST 34 Asian Pacific American History **Units:** 3
- HIST 37 California History **Units:** 3
- HORT 4 History of Garden Design **Units:** 3
- HUM /CIVIL 3 Autobiography of Civilization **Units:** 3
- HUM /ANTHR 4 Introduction to Linguistics **Units:** 3
- ID 8 History of Interior Design and Furniture I **Units:** 3
- ITAL 1 Elementary Italian I **Units:** 4
- ITAL 2 Elementary Italian II **Units:** 4
- JAPAN 1 Elementary Japanese I **Units:** 4
- JAPAN 2 Elementary Japanese II **Units:** 4
- MUSIC 1 Music Fundamentals **Units:** 3
- MUSIC 4 Exploring Music **Units:** 3
- MUSIC 7 Excursions in Music of Our World **Units:** 3
- MUSIC 8 Exploring Jazz, Ragtime, and Blues **Units:** 3
- PHILO 6 Introduction to Philosophy **Units:** 3
- PHILO 40 Ethics **Units:** 3
- PHILO 45 Philosophy of Religion **Units:** 3
- PHILO 50 Asian Philosophy **Units:** 3
- PHOTO 1A Introduction to Photography **Units:** 3
- RELGN 14A Great Religions of the Eastern World **Units:** 3
- RELGN 14B Great Religions of the Western World **Units:** 3
- SL 1 Elementary American Sign Language I **Units:** 4
- SL 2 Elementary American Sign Language II **Units:** 4
- SL 3 Intermediate American Sign Language I **Units:** 4
- SL 4 Intermediate American Sign Language II **Units:** 4
- SPAN 1 Elementary Spanish I **Units:** 4
- SPAN 2 Elementary Spanish II **Units:** 4
- SPAN 3 Intermediate Spanish I **Units:** 4
- SPAN 3A Spanish for Spanish Speakers I **Units:** 4
- SPAN 4 Intermediate Spanish II **Units:** 4
- SPAN 4A Spanish for Spanish Speakers II **Units:** 4
- SPAN 5 Advanced Spanish Introduction to Literature I **Units:** 3
- SPAN 6 Advanced Spanish Introduction to Literature II **Units:** 3
- SPAN 20 Introduction to Chicana/o and Latina/o Studies through Literature **Units:** 5

Area 4 - American Institutions

Complete a minimum of 3 units.

- HIST 17A History of the United States **Units:** 3
- HIST 17B History of the United States **Units:** 3
- HIST 27 Women in History **Units:** 3
- HIST 30A African-American History to 1877 **Units:** 3
- HIST 30B African-American History Since 1877 **Units:** 3
- HIST 31 Mexican-American History **Units:** 3
- HIST 34 Asian Pacific American History **Units:** 3
- POLS C1000 American Government and Politics **Units:** 3
- POLS 4 California Politics **Units:** 3

Area 5 - Social and Behavioral Science

Complete a minimum of 3 units.

- AGBUS 12 Agricultural Economics **Units:** 3
- AJ 21 Criminal Justice in Society **Units:** 3
- ANTHR 1 Cultural Anthropology **Units:** 3
- ANTHR 10 Introduction to Archaeology **Units:** 3
- BIOL /PSYC 30 Human Sexuality **Units:** 3
- BUS 8 Introduction to Law and Society **Units:** 3
- BUS 8H Honors Introduction to Law and Society **Units:** 3
- BUS 26 Economics of Business **Units:** 3
- BUS 32 Managing Diversity and Inclusion **Units:** 3
- COMM 7 Intercultural Communication **Units:** 3
- COMM 11 Intracultural Communication **Units:** 3
- ECE 21 Child and Adolescent Development **Units:** 3
- ECE 26 Child, Family, and Community **Units:** 3
- ECON 3 Principles of Microeconomics **Units:** 3
- ECON 5 Principles of Macroeconomics **Units:** 3
- ETHNS 30 Introduction to Ethnic Studies **Units:** 3
- ETHNS 33 Introduction to Native American Studies **Units:** 3
- ETHNS 34 Introduction to Chicana/Chicano Studies **Units:** 3

- ETHNS 35 Introduction to Black/African American Studies **Units:** 3
- ETHNS 36 Introduction to Asian American Studies **Units:** 3
- GEOG 2 Human Geography **Units:** 3
- GEOG 3 Geography of California **Units:** 3
- GEOG 10 World Regional Geography **Units:** 3
- HIST 2A World History to 1600 **Units:** 3
- HIST 2B World History Since 1600 **Units:** 3
- HIST 4A History of Western Civilization **Units:** 3
- HIST 4B History of Western Civilization **Units:** 3
- HIST 6A History of Asian Civilizations **Units:** 3
- HIST 6C History of the Middle East **Units:** 3
- HIST 17A History of the United States **Units:** 3
- HIST 17B History of the United States **Units:** 3
- HIST 27 Women in History **Units:** 3
- HIST 30A African-American History to 1877 **Units:** 3
- HIST 30B African-American History Since 1877 **Units:** 3
- HIST 31 Mexican-American History **Units:** 3
- HIST 34 Asian Pacific American History **Units:** 3
- HIST 37 California History **Units:** 3
- LAW 16 Introduction to Social Justice: Law and Social Change **Units:** 3
- PETHEORY 41 Sport in Society **Units:** 3
- PETHEORY 49 Psychology of Fitness and Sport Performance **Units:** 3
- POLS C1000 American Government and Politics **Units:** 3
- POLS 2 Introduction to Comparative Politics **Units:** 3
- POLS 3 Introduction to Political Theory **Units:** 3
- POLS 4 California Politics **Units:** 3
- POLS 5 International Relations **Units:** 3
- POLS 6 International Political Economy **Units:** 3
- PSYC C1000 Introduction to Psychology **Units:** 3
- PSYC 3 Personal and Social Psychology **Units:** 3
- PSYC 4 Introduction to Research Methods in Psychology **Units:** 3
- PSYC /BIOL 30 Human Sexuality **Units:** 3
- SOCIO 1A Introduction to Sociology **Units:** 3
- SOCIO 1B Social Problems **Units:** 3
- SOCIO 5 Sociology of the Family **Units:** 3
- SOCIO 27 Introduction to Gender **Units:** 3
- SOCIO 33 Introduction to Race and Ethnicity **Units:** 3

Area 6 - Lifelong Learning and Self-Development

Complete a minimum of 3 units.

Veterans or reservists who submit a DD214 verifying discharge under honorable conditions *or* active duty military personnel who submit an official document (e.g., Joint Services Transcript) verifying completion of basic military training will clear Area 6 and receive three units of general education credit.

- AJ 21 Criminal Justice in Society **Units:** 3
- ANTHR /HUM 4 Introduction to Linguistics **Units:** 3
- BIOL /PSYC 30 Human Sexuality **Units:** 3
- BUS 8 Introduction to Law and Society **Units:** 3
- BUS 20 Introduction to Business **Units:** 3
- COMM 3 Interpersonal Communication **Units:** 3
- COMM 7 Intercultural Communication **Units:** 3
- COMM 12 Introduction to Persuasion **Units:** 3
- COUN 8 Education and Interpersonal Growth **Units:** 3
- CS 11 Fundamentals of Computer Science **Units:** 3
- ECE 21 Child and Adolescent Development **Units:** 3
- ECE 26 Child, Family, and Community **Units:** 3
- EDUC 10 Introduction to Education **Units:** 3
- FCS 2 Life Management **Units:** 3
- FCS 3 Personal and Family Finance **Units:** 3
- FCS 6 Nutrition **Units:** 3
- FCS /H S 19 Human Development **Units:** 3
- FCS 23 Marriage and the Family **Units:** 3
- H ED 1 Health Education **Units:** 3
- H ED 30 Community First Aid and Safety **Units:** 2
- H S /FCS 19 Human Development **Units:** 3
- HUM /ANTHR 4 Introduction to Linguistics **Units:** 3
- LIBRY 1 Library Information Literacy **Units:** 1
- LIBRY 2 Advanced Library Information Literacy **Units:** 2
- LIBRY 3 Information Competency **Units:** 3
- LIBRY 10 Information Research Skills **Units:** 2
- MCOM 1 Introduction to Mass Communication **Units:** 3
- PEACTIV 1D Swim Training and Conditioning **Units:** 0.5-1
- PEACTIV 8 Futsal 1 **Units:** 1
- PEACTIV 12A Individual Conditioning I **Units:** 1.5
- PETHEORY 45 Women in Sport **Units:** 3
- PHILO 30 Introductory Logic **Units:** 3
- PHILO 40 Ethics **Units:** 3
- POLS 5 International Relations **Units:** 3
- PSYC 3 Personal and Social Psychology **Units:** 3
- PSYC /BIOL 30 Human Sexuality **Units:** 3
- SOCIO 1B Social Problems **Units:** 3
- SOCIO 5 Sociology of the Family **Units:** 3
- SOCIO 27 Introduction to Gender **Units:** 3
- SOCIO 33 Introduction to Race and Ethnicity **Units:** 3

Area 7 - Ethnic Studies

Complete a minimum of 3 units. Courses in this area must be completed with a grade of "C" or better.

- ETHNS 33 Introduction to Native American Studies **Units:** 3
- ETHNS 34 Introduction to Chicana/Chicano Studies **Units:** 3
- ETHNS 35 Introduction to Black/African American Studies **Units:** 3
- ETHNS 36 Introduction to Asian American Studies **Units:** 3

Minimum Units Required: 27

Notice to Students
Selection of courses from this list may be affected by one or more factors, including choice of major, university transfer requirements, or prerequisite or sequencing requirements. Failure to plan appropriately WILL adversely affect timely graduation and/or transfer. Students are encouraged to consult with a counselor to develop an individualized education plan. Counseling appointments may be scheduled online by selecting "Counseling" under "Student Resources" on the Delta College web site, or by calling the Counseling and Special Services Division.

Geology

Geology, AS-T

Geology is the study of the Earth, its environments, and its history. It is an interdisciplinary science that combines geological observations and concepts with those of biology, chemistry, physics, and mathematics. Its goals are to study rocks, minerals, fossils, energy and water resources, and to understand geologic principles and processes that shape the Earth and its environments, and impact human society. The Associate in Science in Geology for Transfer degree is designed specifically for transfer in a similar major to the California State University System.

Program Learning Outcomes
Upon successful completion of this program, students will be able to:

1. Demonstrate preparation for transfer to the CSU and major in Geology or a related science.
2. Demonstrate basic scientific literacy in Geology and related disciplines.
3. Apply the scientific method to solve problems in Geology.
4. Integrate concepts from other disciplines (e.g., Mathematics, Chemistry) to solve problems in Geology.

Major Requirements - Core
Complete 27 units

- CHEM 1A General Chemistry **Units:** 5
- CHEM 1B General Chemistry **Units:** 5
- GEOL 1A Physical Geology w/Lab **Units:** 4
- GEOL 1B Historical Geology w/Lab **Units:** 4
- MATH 1 Calculus I **Units:** 5
- MATH 2 Calculus II **Units:** 4

Minimum Major Units Required: 27
Complete all courses with a grade of "C" or better.

Recommended Preparation (not required for the degree)

- BIOL 1 Cell and Molecular Biology **Units:** 4 *
- PHYSC 4A Principles of Physics: Mechanics **Units:** 4 **
- PHYSC 4B Principles of Physics: Waves, Sound, and Thermodynamics **Units:** 4 **

Notes: See a counselor or consult www.assist.org for requirements in the major at the CSU campus you wish to attend.

*Many geology programs at the UC and CSU campuses require that the life-science requirement be general biology as it provides the foundation for teaching evolution in historical geology and/or paleontology.

**Physics is universally required and calculus-based physics is always accepted in place of trigonometry-based physics.

General Education
Complete one of the following general education patterns:

- California State University General Education (CSU-GE) Pattern/Certificate of Achievement **Units:** 40
- Intersegmental General Education Transfer Curriculum (IGETC) Pattern/Certificate of Achievement **Units:** 37

Students are advised to double-count courses in the major to also satisfy general education when possible. Course subject credit will be awarded in satisfaction of major and lower division general education requirements, but the units will only be counted once in computing the total number of units for the degree.

Minimum Degree Units Required: 60

Graphic Arts

Graphic Arts, AA

The Associate in Arts degree in Graphic Arts prepares students for transfer or further study in the field of graphic design. Students receive hands-on instruction and training necessary for entry-level employment while completing a general education path of study. Coursework involves work that will allow for employment in the field of graphic design and layout. Specific job titles include but are not limited to the following: Computer Typesetter, Paste-Up Artist, Cartoonist, Graphic Layout and Design, Ad Artist, Computer Artist, Photo Restoration, Photo Manipulation, and Scanner Operator. Students will work in a manner that