

emphasis, geographers understand the importance of scale (from local to global) when investigating real-world problems.

Program Goals

The primary objectives of the Geography program include the following: fulfillment of general education requirements for the natural sciences and social sciences, completion of the Associate of Arts degree, preparation for transfer to four-year institutions, and completion of general education requirements for students enrolled in four-year institutions.

Career Options

Most careers in Geography require education beyond the Associate degree and some require a graduate degree. Common career options in Geography include, but are not limited to, the following: Land use planner, demographer, water quality technician, spatial analyst, park biogeographer, and teacher.

Program Learning Outcomes

Students who complete the Geography Program will gain facility with:

- **Critical Thinking:** Think critically in reading about topics in Geography, thereby identifying problems, theses, arguments, evidence and conclusions.
- **Communication:** Write or speak about topics in Geography, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
- **Personal Actions and Civic Responsibility:** Demonstrate an ability to understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.
- **Global Awareness:** Articulate similarities and contrasts among cultures, times, and environments, demonstrating an understanding of cultural pluralism.
- **Technological Awareness:** Demonstrate an ability to understand applications and implications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Students will be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Associate of Arts Degree: Geography

Courses Required for the Major:		Units
GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Laboratory	1
GEOG 102	Cultural Geography	3
GEOG 104	World Regional Geography	3

Select two courses from the following:

GEOG 154	Introduction to Urban Geography	3
GISG 104	Geographic Information Science and Spatial Reasoning	3
MATH 119	Elementary Statistics	3

Select one course from the following (if not selected above):

ANTH 102	Introduction to Biological Anthropology	3
ANTH 103	Introduction to Cultural Anthropology	3
BIOL 101	Issues in Environmental Biology	4
BIOL 110	Introduction to Oceanography	3
CHEM 200	General Chemistry I – Lecture and	
CHEM 200L	General Chemistry I – Laboratory	5
GEOG 154	Introduction to Urban Geography	3
GEOG 100	Physical Geology	3
GISG 104	Geographic Information Science and Spatial Reasoning	3
MATH 119	Elementary Statistics	3
MATH 121	Basic Techniques of Applied Calculus I	3
MATH 150	Calculus with Analytic Geometry I	5

Total Units = 19–21

For graduation requirements see **Requirements for the Associate Degree** on page 110.

Associate in Arts in Geography for Transfer Degree:

The Associate in Arts in Geography for Transfer Degree is intended for students who plan to complete a bachelor's degree in Geography or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be

appropriate preparation for students transferring to a CSU campus that does not accept the degree.

Program Learning Outcomes:

Students who complete the Geography Program will gain facility with:

- **Critical Thinking:** Think critically in reading about topics in Geography, thereby identifying problems, theses, arguments, evidence and conclusions.
- **Communication:** Write or speak about topics in Geography, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
- **Personal Actions and Civic Responsibility:** Demonstrate an ability to understand one’s role in society, take responsibility for one’s own actions, and make ethical decisions in complex situations.
- **Global Awareness:** Articulate similarities and contrasts among cultures, times, and environments, demonstrating an understanding of cultural pluralism.
- **Technological Awareness:** Demonstrate an ability to understand applications and implications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Students will be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Note: Students who plan to complete this degree should consult a counselor and visit www.assist.org for additional information about participating CSU campuses as well as university admission, degree and transfer requirements.

Award Notes:

Students are required to complete a maximum of 60 CSU transferable units with a minimum overall grade point average of 2.0.

Major: A minimum of 18 units with grade of “C” or “P” or better.

General Education: In addition to the courses required in the major, students must complete one of the following general education options:

- The California State University General Education Breadth pattern

- The Intersegmental General Education Transfer Curriculum pattern

Note: Completion of the California State University American Institutions graduation requirement is strongly recommended prior to transfer.

Courses Required for the Major:		Units
GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Laboratory	1
GEOG 102	Cultural Geography	3

Category A: Select two of the following courses (6 units minimum):

GEOG 104	World Regional Geography	3
GISG 104	Geographic Information Science and Spatial Reasoning	3
GISG 111	Geographic Information Systems and Cartography	3

Category B: Select two or more courses from the following, not selected in Category A (6 units minimum):

ANTH 103	Introduction to Cultural Anthropology	3
CHEM 200	General Chemistry I – Lecture	3
and		
CHEM 200L	General Chemistry I – Laboratory	2
GEOL 100	Physical Geology	3
GEOG 154	Introduction to Urban Geography	3
MATH 119	Elementary Statistics	3

Total Units = 19

Electives as needed to meet maximum of 60 units required for the degree.

Transfer Information

Students planning to transfer to a four-year college or university should complete courses required for the university major and the general education pattern required by that transfer institution. See catalog TRANSFER INFORMATION section. Additional courses may be required to meet university lower-division requirements. **Course requirements at the transfer institution are subject to change and may be verified by a counselor or by consulting the current university catalog. Many Baccalaureate in Arts degrees require a third semester competency in a foreign language. Consult the current catalog of the transfer institution and consult with a counselor.**