

GEOGRAPHY - ASSOCIATE IN ARTS TRANSFER DEGREE

Plan Code: 5009B/C

The Department of Social Sciences offers an Associate in Arts in Geography for Transfer Degree. The Transfer degree assures enrollment and transfer opportunities at California State Universities. The geography major provides students with a comprehensive knowledge of theoretical concepts of geography and associated knowledge and skills. Geography majors develop understanding of the spatial organization of physical and human landscapes, interactions between human society and the physical environment, as well as the meanings that people bring to their place in the world. Concentrations include: physical geography, and weather and climate; human geography, including world regional geography, the global economy; technical skills: use and application of Geographic Information Systems. The Geography major is preparation for general education, and meaningful employment in a wide variety of interesting occupations. It prepares students for participation in an increasingly diverse and globalized world.

Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Apply scientific research methods and technologies to observe, collect and analyze geographic data and information regarding human-environment interactions.
- Communicate an understanding of the importance of geographical processes and spatial interactions.

Program Requirements

This degree requires the completion of General Education coursework plus the following:

Code Number	Course Title	Units
REQUIRED CORE COURSES		
PGEOG 1	Physical Geography	3
GEOG 2	Elements of Cultural Geography	3
or GEOG 40	World Regional Geography	
Subtotal Units		6
IN ADDITION, complete SIX to SEVEN (6-7) units from LIST A:		
LIST A		
GEOG 10	Intro to Geographic Information Systems (3)	
PGEOG 1L	Physical Geography Lab (1.5)	
PGEOG 2	Weather and Climate (3)	
Subtotal Units		6-7
IN ADDITION, complete SIX (6) units from LIST B:		
LIST B		
Any LIST A course not already used		
ANTHR 2/2H	Cultural Anthropology (3)	
GEOG 5	The Global Economy (3)	
or ECON 5	The Global Economy (3)	
GEOL 2	General Geology, Physical (3)	
STAT 1/1H	Elementary Statistics (4)	
Subtotal Units		6

Required Subtotal	18-19
Complete one of the following: ¹	37-39
CSU GE Breadth (Plan B) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/)	
IGETC Pattern (Plan C) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/)	
Transferable Electives (as needed to reach 60 transferable units) ²	
Degree Total	60

¹ Units for the major may be double-counted for CSU GE or IGETC; see counselor for limitations.

² Elective units from course(s) numbered 1-99, if needed, to reach 60 transferable units.

To earn an associate degree for transfer, a student must complete 60 semester units that are eligible for transfer to a CSU that consist of either the IGETC pattern or CSU GE breadth and a major of at least 18 units. Students must have a minimum GPA of 2.0 in all CSU-transferable coursework to receive an associate degree for transfer and all courses in the major must be completed with a C or better. Students earning an associate degree for transfer will not be required to complete any other local graduation requirements.

FOUNDATIONS OF GEOSPATIAL DATA AND PROGRAMMING - CERTIFICATE OF ACCOMPLISHMENT

Plan Code: 4309

The Department of Social Science offers a Certificate of Accomplishment in Foundations of Geospatial Data and Programming. The certificate is designed for students who plan to transfer to the California State University system and pursue additional coursework in geographic information systems and other geospatial technologies. The certificate provides students with a solid background in geographic information systems, Excel databases, and computer programming. These are essential skills for upper division coursework in geographic information systems and are valued by employers looking for geospatial analysts. These skills apply to myriad majors and occupations, including geography/GIS, anthropology, sociology, economics, geology, environmental science, public health, urban planning, field biology, and more.

Program Student Learning Outcomes

- Analyze data using geospatial tools, including GIS, GPS, and remote sensing.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
COSA 15	Microsoft Excel for Windows	3
CS 31	Introduction to Computer Science-Python	3
GEOG 10	Intro to Geographic Information Systems	3
Total Units		9