Geography for Transfer (AA-T)

CAREER PATHS:
Geography Teacher, Secondary and Postsecondary
Geographer or Geoscientist
Geospatial Information Scientist and Technologist

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at www.onetonline.org.

This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.

GET STARTED NOW!
- Get started on your Pathway now with these recommended courses! Then – See a counselor to create a CUSTOMIZED education plan personalized to your career and transfer goals!
- Required courses may change depending on a student’s career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.
- Unique transfer requirements for a specific institution can be found at www.assist.org.

2020-2021 catalog year Pathways coming soon.

FIRST SEMESTER
Total Recommended Units: 15-16
- GEOG 001 Physical Geography (IGETC 5A) 3 units
- GEOG 001L Physical Geography Lab (IGETC 5C) 1 unit
- ENGL 001 College Composition (IGETC 1A) 4 units
- LR 010 Introduction to Library Research and Information Competency 1 unit
- IGETC 3A 3 units

SECOND SEMESTER
Total Recommended Units: 16
- GEOG 010 Intro to Geographic Information Systems 3 units
- IGETC 3B 3 units
- IGETC 1B Suggested: ENGL 002 or 004 4 units
- IGETC 1C Suggested: COMM 001 or 002 or 006 3 units
- IGETC 4/Am Inst Grp 1 Suggested: PLSC 001 or 005 for Am Inst requirement 3 units

THIRD SEMESTER
Total Recommended Units: 15
- GEOG 004 World Geography (IGETC 4) 3 units
- ANTH 002 Cultural Anthropology (IGETC 4) 3 units
- IGETC 3B/Am Inst Grp 2 Suggested: HIST 017 or 018 or 028 or 029 or 037 for Am Inst requirement 3 units
- IGETC 5B Without Lab 3 units
- GEOL 001 Physical Geology 3 units

FOURTH SEMESTER
Total Recommended Units: 15
- IGETC 4/Am Inst Grp 1 Suggested: PLSC 001 or 005 for Am Inst requirement 3 units
- GEO 002 Cultural Geography 3 units
- Transferable Elective Course #001-049 3 units
- Transferable Elective Course #001-049 3 units
- Transferable Elective Course #001-049 3 units

For more information please contact: (707) 864-7211

Questions? Talk to a Counselor Now!
Main Campus, Fairfield: (707) 864-7101
Vacaville Center: (707) 863-7836
Vallejo Center: (707) 642-8188
Travis AFB: (707) 863-7878
Visit online at solano.edu/counseling

Contact Our Career Center to Learn Your Career Options!
Call 707-864-7124, or email at CareerCenter@solano.edu
Visit online at solano.edu/career

You Can Afford College! Learn more about Financial Aid!
Call 707-864-7103, or email at FinancialAid@solano.edu
Visit online at solano.edu/financial_aid

College is Accessible! Contact our Disability Services Program (DSP) at 707-864-7136.
Geography

Associate in Arts in Geography for Transfer (ADT: A.A.-T)

Program Description
Solano Community College offers an Associate in Arts in Geography for Transfer degree to introduce students to principles, theory, and applied methods of spatial analysis in studying both the natural and human environment. The Associate in Arts in Geography for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Geography or similar major. The degree provides students with a foundation in the knowledge and skills of the Geography profession and prepares them for upper division university course work. Recipients of the Associate in Arts for Transfer degree are guaranteed admission with junior standing at a campus of the California State University system. The program in Geography is designed to develop the student’s awareness of human environment relationships and changes in the physical and cultural landscape induced by human activities.

Associates in Arts in Geography for Transfer
The Associate in Arts in Geography for Transfer degree is especially designed for students who plan to complete a bachelor’s degree in Geography at a CSU campus. Students completing an Associate in Arts in Geography for Transfer degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the Associate in Arts in Geography for Transfer degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree.

The Associate in Arts in Geography for Transfer degree will prepare students for a baccalaureate degree in Geography at a CSU institution. Geography provides insights about the earth as the human habitat. It is a way of looking at the earth, not an inventory of its contents. This viewpoint rests on fundamental interlocking concepts. The cultural appraisal of the earth, the regional concept, areal coherence, human ecology, spatial interaction, study of landscape, and the concept of change are all ways the geographer tries to better understand the environment.

To earn the Associate in Arts in Geography for Transfer degree, students must:
1. Complete 60 semester units that are eligible for transfer to the California State University, including both of the following:
   a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtain a minimum grade point average of 2.0.

Program Outcomes
Students who complete the Associate in Arts in Geography for Transfer degree will be able to:
1. Use maps and other appropriate geographic tools to interpret and analyze spatial data.
2. Explain the impact of humans on the natural environment.
3. Identify major worldwide spatial political, cultural, economic, and environmental patterns.

REQUIRED COURSES ............................................ Units
GEOG 001 Physical Geography .......................... 3
GEOG 001L Physical Geography Laboratory ........ 1
GEOG 002 Cultural Geography .......................... 3
GEOG 004 World Geography ............................ 3
GEOG 010 Introduction to Geographic Information Systems ................................................. 3
ANTH 002 Cultural Anthropology ........................ 3
GEOL 001 Physical Geology ............................. 3
Required Major Total Units ................................ 19

CSU General Education or IGETC Pattern Units ...37-39
CSU Transferable Electives
(as needed to reach 60 transferable units)* ............ 13
Total Degree units ............................................. 60

* 13 units may be double counted toward both the major area of emphasis and CSU General Education or IGETC Pattern. Consult with a counselor for more information on completing this degree.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>GEOG 001</td>
<td>Physical Geography</td>
<td>3.0</td>
<td>A spatial study of the Earth’s dynamic physical systems and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). Field trips may be required. (C-ID GEOG 110)</td>
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<tr>
<td>GEOG 001L</td>
<td>Physical Geography Laboratory</td>
<td>1.0</td>
<td>Designed to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. One or more field trips are required and may occur outside of class time. (C-ID GEOG 111)</td>
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<tr>
<td>GEOG 002</td>
<td>Cultural Geography</td>
<td>3.0</td>
<td>Topics include the identification of rocks and minerals as hand specimen and the study of geologic maps, landforms, and structures. Field trips will be taken to areas of geologic interest. Laboratory projects, written assignments and reports, and examinations will be used to evaluate student success. (C-ID GEOG 120)</td>
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<tr>
<td>GEOG 004</td>
<td>World Geography</td>
<td>3.0</td>
<td>Survey of the world’s culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasis on spatial and historical influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions. A field trip may be required with the course. However, if a student cannot attend the trip, there will be an optional research paper assignment. (C-ID GEOG 125)</td>
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<tr>
<td>GEOG 006</td>
<td>California Geography</td>
<td>3.0</td>
<td>A thematic approach to the state’s issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical and human landscapes that have evolved as a result of the human-environment interface. A field trip is required. (C-ID GEOG 140)</td>
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<tr>
<td>GEOG 010</td>
<td>Introduction to Geographic Information Systems</td>
<td>3.0</td>
<td>Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS. Same course as GEOL 010. Not open to students who have completed GEOL 010. Field trips may be required. (C-ID GEOG 155)</td>
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