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| **GEOGRAPHY – ASSOCIATE OF SCIENCECTE (AS)** | **64 credits minimum** |

**Division of Natural Sciences**

**Taylorsville Redwood Campus, SI 241**

**General Information, (801) 957-4073**

**Program Information, (801) 957-4880 or (801) 957-4150**

[**www.slcc.edu/geosciences**](http://www.slcc.edu/geosciences)

**Academic Advisor:** <http://www.slcc.edu/academicadvising/advisors.aspx>

**Program Faculty**:

Associate Professor: R. Adam Dastrup

Assistant Professor: Maura Hahnenberger

**Program Description**: The Geography program provides a broad knowledge base in physical, cultural, and environmental geography along with technical skill sets in geospatial technology. Students completing the Associate Degree will develop a strong foundation in spatial thinking and analysis using foundational geographical inquiry and scientific methodology. Students will also acquire industry-driven technical skill sets in geographic information systems (GIS), remote sensing, aerial photography, and global positioning systems (GPS). All students successfully completing the Geography AS degree will receive an industry-focused Geospatial Technology Certificate of Proficiency as part of the associate degree. Students in the Geography program will showcase their knowledge and skill sets in geography and geospatial technology through the creation of an academic portfolio.

**Transfer/Articulation**: Admission into a geography program at a transfer institution depends upon the receiving institution’s requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information. Students seeking to complete a Geography AS degree at SLCC for transfer are highly recommended to consistently meet with an academic advisor for mapping their academic career plan.

**Estimated Time to Completion**: If students follow the suggested semester schedule, time to completion is four semesters.

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| **Program Student Learning Outcomes** | **Related College-Wide Student Learning Outcomes** |
| Analyze maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate information. | 1, 2, 3, 4, 6, 7 |
| Apply geospatial technology skill sets (i.e. geographic information systems, remote sensing, aerial photography, and global positioning systems) to analyze spatial patterns, trends, distributions, and flow spatially and over time. | 1, 2, 3, 4, 5, 6, 7 |
| Analyze the spatial organization of people, places, and environments on Earth's surface | 1, 3, 4, 7 |
| Interpret the physical and human characteristics of places and that people create regions to interpret Earth's complexity | 1, 3, 4, 5, 7 |
| Determine how culture and experience influence people's perceptions of places and regions | 1, 4, 5,  |
| Describe the physical processes that shape the patterns of Earth's surface | 1, 2, 3, 4, 7 |
| Analyze the characteristics and spatial distribution of ecosystems and biomes on Earth's surface | 1, 3, 4, 7 |
| Explain the characteristics, distribution, and migration of human populations on Earth's surface | 1, 2, 3, 4, 7 |
| Determine the characteristics, distribution, and complexity of Earth's cultural mosaics | 1, 3, 4, 7 |
| Analyze patterns and networks of economic interdependence on Earth's surface. | 1, 4, 7 |
| Describe the processes, patterns, and functions of human settlement | 1, 2, 4, 7 |
| Explain the forces of cooperation and conflict among people influence the division and control of Earth's surface | 1, 2, 4, 5, 7 |
| Analyze how human actions modify the physical environment and how physical systems affect human systems. | 1, 3, 4, 5, 7 |
| Analyze and communicate the changes that occur in the meaning, use, distribution, and importance of resources | 1, 2, 3, 4, 5, 7 |
| Apply geographic principles to interpret the past and present, and to plan for the future. | 1, 4, 7 |

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| **GENERAL EDUCATION REQUIREMENTS** |
| **CORE SKILLS:** |
|  **COMPOSITION (EN) 6 CREDITS** |

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| ENGL 1010 | Intro to Writing | 3 | A | WRTG 0990 w/C grade or better or appropriate Accuplacer score |
| ENGL 2100 | Technical Writing | 3 | A | ENGL 1010 w/C grade or better |
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|  **QUANTITATIVE LITERACY (QL) 3 CREDITS** |
| **COURSE** |  | **CR** | **SEM** | **PREREQUISITE** |

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| MATH 1040 | Introduction to Statistics | 3 | A | RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score |
|  **OR** |  |  |  |  |
| MATH 1050 | College Algebra (QL) | 4 | A | “”””” |

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|  **AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING** |
| **COURSE** |  | **CR** | **SEM** | **PREREQUISITE** |
| ECON 1740 | Econ History of US | 3 | A | RDG 0990 w/C grade or better or appropriate Accuplacer score |
| HIST 1700 | American Civilization | 3 | A | RDG 0990 w/C grade or better or appropriate Accuplacer score |
| POLS 1100 | US Govt & Politics | 3 | A | RDG 0990 w/C grade or better or appropriate Accuplacer score |
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| **INSTITUTIONAL REQUIREMENTS:** |
|  **LIFELONG WELLNESS (LW) 1 CREDIT** |
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|  **STUDENT CHOICE (IN OR DEPTH) 3 CREDITS** |
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| **DISTRIBUTION AREAS:** |
| Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV). |
| **COURSE** |  | **CR** |  |  |
|  Biological Science (BS) | 3-4 |  |  |
|  Fine Arts (FA) | 3-4 |  |  |
|  Humanities (HU) | 3 |  |  |
|  Interdisciplinary (ID) | 3 |  |  |
|  Social Science (SS) | 3 |  |  |
|  Physical Science (PS) | 3 |  |  |
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**REQUIRED COURSES: (30 CREDITS)**

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| **COURSE** |  | **CR** | **SEM** | **PREREQUISITE** |
| GEOG 1000  | Physical Geography  | 3  | A  |  |
| GEOG 1400  | Human Geography  | 3  | A  |  |
| GEOG 1300  | Regional Geography  | 3  | A  |  |
| GEOG 1780 | Remote Sensing of Earth | 3  | A  |  |
| GEOG 1800  | Mapping Our World  | 3  | A  |  |
| GEOG 1820  | Intermediate GIS  | 4  | A  | GEOG 1800 or instructor approval |
| GEOG 2100  | Cartographic Principles  | 4  | F  | Co-requisite GEOG 1800, 1820, or instructor approval |
| GEOG 2920 GEOG 2990 | Spatial AnalysisGeography Capstone | 4 3 | SpSp | Co-requisite GEOG 1820 or instructor approvalCo-requisite GEOG 2920 |
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