

GEOGRAPHY Major Trimester-Semester Transition Guidelines

Hello! As you know, beginning in the 2019-20 school year, Augustana College will transition from a trimester calendar to a semester calendar (with a J-term). Augustana is committed to ensuring that none of your already-earned credits will be lost. In fact, Augustana is offering a transition guarantee to all full-time degree seeking students who start in fall of 2016, 2017, or 2018. For the guarantee to apply, students must continue to make satisfactory progress towards their degree before and after the change to the new calendar, and follow the plan they will create with their advisor.

For more information on the transition guarantee please go to <https://www.augustana.edu/academics/semester-transition-guarantee>.

Advising during the transition will be critical! As such, beginning in the spring 2018 term, students in the 2020, 2021, and 2022 graduating cohorts will be required to attend a one-on-one advising meetings with each major and minor advisor in order to register for each term. You will not be allowed to register unless each advisor has removed an advising restriction and documented the meeting in Starfish. Attending group advising sessions does not satisfy this advising requirement!

As such, it is imperative that you have organized and well-prepared discussions with your advisor(s). The following documents are meant to help that process. Following this cover letter you will see an advising document that breaks down the GEOGRAPHY major as it stands on both trimesters and semesters. This document will allow you to see the “holes” in your program. Please take some time to fill out this document before you meet with your advisor.

Following the advising document are a series of 4-year schedules that correspond to your class. Again, please take some time to fill out this document with courses you’ve previously taken before you meet with your advisor. Together, you and your advisor can work out the rest of the schedule.

Finally, we’ve included new course descriptions for the semester courses. We will talk more about these changes at group advising sessions in the future.

One final note - you know that advising takes time and calendars get very full around advising periods. Please do not wait to make your advising meeting. It is up to you to make your advising appointments and we will not lift the advising restriction without your attending a one-on-one advising meeting (with each of your major and minor advisors). Make your appointment early and come prepared.

JB, MF, RH, and
CS

GEOGRAPHY Major Advising Document

Name: _____ Advisor:

GEOGRAPHIC
FUNDAMENTALS

**COURSES (TRI) COURSES (SEM) COURSE #
COMPLETED**

*= course cannot count in another category.

**= course must be taken as a junior

*** = course must be taken as a senior

**TERM
COMPLETED**

GEOGRAPHIC SKILLS AND
INQUIRY

**CREDITS
EARNED
CREDITS
EARNED
CREDITS
EARNED**

**PHYSICA
L GEOG.
(1 course)**

cr) GEOG 106 w/L
 (4 cr)
 GEOG 105 w/L (4
 cr) GEOG 106 w/L
 (4 cr)

30* (4
) 230*
 GEOG
 (cr)
 32* (4

**HUMAN
 GEOG. (1
 course)**

30* (4
) 230*
 GEOG
 (cr)
 32* (4

GEOG 120 (4
 cr) GEOG 130
 (4 cr)
 GEOG 120 (4
 cr) GEOG 130
 (4 cr)

**HUMAN &
 ENVIRON.
 INTERACTION
 (1 course)**

COURSES (TRI) COURSES (SEM) COURSE #

**TERM
 COMPLETED**

**CREDITS
 EARNED
 CREDITS
 EARNED
 CREDITS
 EARNED**

GEOG 230 (4
 cr) GEOG 303
 (4 cr) GEOG
 307 (4 cr)
 GEOG 331 (4
 cr) GEOG 332
 (4 cr)
 GEOG 230 (4
 cr) GEOG 303
 (4 cr) GEOG
 307 (4 cr)
 GEOG 331 (4
 cr) GEOG 332
 (4 cr)

**COURSES
 (Must take all)**

 __ GEOG 373 or
 GEOG 374 (3 cr)

 __ GEOG 272 (3 cr)

) (2
) (2

**REGIONA
 L GEOG.
 (1 course)**

 273 or

GEOG 274 (4 cr)

__ GEOG 472 (3 cr)

__ GEOG 372 (4 cr)

__ GEOG 473 (3 cr)

472 (2)

473 (2)

- _____

 -

ELECTIVES - must take two courses from one of the below advising tracks. Selected courses in the electives category **MUST BE DIFFERENT** from those in the fundamentals category.

^= only one GEOL class may be applied toward your electives.

GPA from all GEOG CLASSES: _____ must be greater than 2.0

Notes:

COURSES (TRIMESTER)	COURSES (SEMESTER)	COURSE #	COMPLETED
TERM COMPLETED	CREDITS EARNED	GIS and TECH.	
	CREDITS EARNED		
	CREDITS EARNED	00 (4	
	CREDITS EARNED	3 375	
	CREDITS EARNED	3GEOG	

475 (4 cr)
GEOG 100 (4
cr) GEOG 375
(4 cr) GEOG
475 (4 cr)

**URBAN and
CULTURAL
GEOGRAPH
Y**

**PHYSICAL
and ENVIRO.
GEOGRAPH
Y**

GEOG 323 (4
cr) GEOG 331
(4 cr) GEOG
332 (4 cr)
GEOG 339 (4
cr)
GEOG 323 (4
cr) GEOG 331
(4 cr) GEOG
332 (4 cr)
GEOG 339 (4

03 (4
) 306
GEOG
GEOL

03 (4
) 306
GEOG
GEOL

FALL WINTER SPRING FYI 101 3

FYI 102 3 FYI 103

3 SUMMER Maximum Credits=33

Notes:

Total FY Credits: Total Credits Total Credits Total Credits Total Credits

FALL WINTER SPRING SUMMER Maximum

Credits=33

Notes:

Total Soph Credits: Total Credits Total Credits Total Credits Total Credits

FALL WINTER SPRING SUMMER Maximum

GEOG 270 3

GEOG 472 3

Credits=33

Notes:

Total Jr Credits: Total Credits Total Credits Total Credits Total Credits

FALL J-Term SPRING SUMMER Maximum GEOG 473

2

Credits=34

Notes: Notes:

Total Sr Credits: Total Credits Total Credits Total Credits Total Credits

123 Credits needed for graduation Total Overall Credits

Perspectives on the **Arts**
(PA)

Perspectives on **Human Existence and Values** (PH)

Perspectives on **Individuals and Society** (PS)

Perspectives on **Literature and Texts** (PL)

Perspectives on the **Past**
(PP)

Perspectives on the **Natural World**
(PN)

Please Note: Complete 1 course in each of the 6 learning perspectives and an additional three courses. The second course in the 3 extra Perspectives must be a different subject code from the first. No more than 2 courses with the same subject code overall can count toward the Perspectives group.

First Year Inquiry: FYI 101, 102, 103 or HONR 101, 102, 103 (Foundations) or HONR 121, 122, 123, 124, 125, 126 or 127 (Logos) In the unlikely event that a student still needs to pass 101, 102 or 103 as a senior, then the semester based 101 will substitute for the trimester based 101; the semester based 102 will substitute for either a trimester based 102 or 103.

2nd Language: A year-long sequence of a given 2nd Language is required. 101, 102, 103 for trimesters and 101, 102 for semesters. Students can also complete this requirement via established equivalency policies.

HEPE: 2 activity courses

Learning Community: Can be fulfilled by completing an Augustana LC or by substituting one of the following: complete a J class senior year, complete an additional LP class (any LP class – no specifications) or complete a Gen Ed designated Senior Inquiry course or experience. **Christian Traditions:** This should be done before junior year. Trimesters = 3 credits with LP. Semesters = 4 credits with no LP. The honors sequence satisfies this requirement.

Quantitative Reasoning (Q): Trimesters = 3 credits. Semesters = 4 credits.

Diversity (D): Trimesters = 3 credits. Semesters = 4 credits.

Global (G): Trimesters = 3 credits. Semesters = 4 credits.

Existing course transfer policies still apply.

GEOGRAPHY Course Catalog Descriptions

GEOG 100 – Our Digital Earth (4 credits, J term only) (PN)The Digital Earth is a lab-based introduction to the role that geospatial data and technologies play in our lives. From Google Earth to GIS, Facebook to Snapchat, we examine how geospatial data are collected and used, how geospatial technologies have transformed the way we think and make decisions, and the important geographic societal issues that result.

GEOG 105 – Weather, Climate, and Society (4 credits) (PN) An introduction to elements of weather and climate systems and the hazards they may pose to society. How can we (or should we?) prepare and adapt to live in areas of natural atmospheric hazards? Topics include a study of the earth's atmosphere, ocean systems, precipitation processes, severe weather (tornadoes, hurricanes), drought, and climate change. Includes one two-hour lab per week.

GEOG 106 – Earth’s Dynamic Landscape and Society (4 credits) (PN) An introduction to the forces that shape Earth’s landforms, landscapes, and water resources and the benefits and hazards that our dynamic planet poses to human society. This course uses theoretical principles and field experiences to analyze and understand the character, behavior and evolution of landforms and considers the responses of these systems to human disturbance. Topics include a study of tectonic forces, erosion and deposition by water wind and ice, and humans as agents of change. Includes one two-hour lab per week and a weekend-long field experience. Course includes a field trip fee.

GEOG 120 – Human Geography of Global Issues (4 credits) (PS, G) Human geography focuses on social, economic, political, cultural, and human- environment processes and patterns and how they change over space and time. This course examines the interconnections between places around the world and how global flows intersect in our local communities. Major topics include economic globalization, geopolitics, the spatial aspects of population growth and distribution including international migration, health, urbanization, cultural differentiation and the spread of ideas and innovation, and the environmental impacts of development. The course aims to engender a critical geographical perspective on the past, present and future development of the social world.

GEOG 130 – Geography of World Regions (4 credits) (PS, G) Geography of World Regions is an exploration of the critical, interrelated, and diverse characteristics of the world's major geographic regions. This course will explore issues of global and regional significance facing our planet through the diverse lenses of geography. Our primary focus is on globalization and the linkages between places, the impact of globalization on diversity, and the importance of "local" and "global," unevenness in development, the legacy of colonialism, capitalism, and imperialism on world regions, and the relationships between societies and environments at various scales.

GEOG–199 Directed Study (1 Credits) Opportunity for students to study a particular subject under a faculty member's direction. Prerequisites: permission of department chair and instructor.

GEOG 230 – U.S. Regional Immersion Experience (4 credits, J term) This J term course will explore a region of the United States through the lens of geography. Topics of the course will focus on human geography, physical geography, human-environment interactions, regionally important topics, and professional careers in geography. The course will begin and end on campus, with a 7-10 day field trip in between. For geography majors in good standing only (or permission of the instructor). Course fees will apply. Region varies by year.

GEOG 270 – Geographic Perspectives (2 credits) Introduction to the major traditions and perspectives of geography. This course has a focus on geographic inquiry and includes a proposal-writing assignment. Students will gain skills in using library resources, digital maps, and fieldwork to address geographic questions. Course should be taken as soon as possible after declaring a major. Offered in the first half of the spring semester.

GEOG 273 Intro GIS for Natural Sciences (4 Credits) This course focuses on the use of a

geographic information system to acquire, evaluate, and analyze spatial data. Students will learn (1) key concepts and components of GIS and (2) essential skills of operating a GIS through the use of ArcGIS software package. Emphasis is placed on the use of GIS to solve problems related to the natural sciences. Students will learn how GIS is used in fields such as ecology, biology, hydrology, environmental studies, and/or geology. Course includes a student-selected final project. Cannot receive credit for both GEOG 273 and 274

GEOG 274 Intro GIS for Social Sciences (4 Credits) This course focuses on the use of a geographic information system to acquire, evaluate, and analyze spatial data. Students will learn (1) key concepts and components of GIS and (2) essential skills of operating a GIS through the use of ArcGIS software package. Emphasis is placed on the use of GIS to solve problems related to the social sciences. Students will learn how GIS is used in fields such as public health, sociology, urban planning, environmental studies, and/or business. Course includes a community-based GIS project. Cannot receive credit for both GEOG 273 and 274.

GEOG 299 Directed Study (1 Credits) Opportunity for students to study a particular subject under a faculty member's direction. Prerequisites: permission of department chair and instructor.

GEOG 303 – Natural Resource Management (4 credits) Analysis of problems in the use of water and land resources, including land use planning, soil and water conservation, recreational uses of resources, urban open space and runoff, flood plain management, wetlands preservation and solid waste disposal. Course uses a decision-making approaches to these problems and includes an introduction to environmental perception, resource economics and environmental law.

GEOG 306 – Soil Science (4 credits) This course will explore the basics of soil morphology, classification, mapping, microbiology, theories of soil formation, and pedoturbation. Other topics include the societal importance of soils, human modification of soils, and the important role that soils play in climate change. Several local field trips will be conducted to learn field-based skills of soil pit digging, soil describing, and landform analysis. Intended for juniors and seniors. Includes one two-hour lab per week.

GEOG 307 –Our Environmental Legacy and Our Future (4 Credits) This course examines the connections/disconnections between humans and the natural world. These connections are explored in a philosophical, historical, and economic context to better understand the reasons behind our current environmental problems. We will explore the environmental impact of agriculture, resource extraction, and climate change with a focus on two key questions: How are we going to feed ourselves? and How are we going to get around?.

GEOG 323 – Urban Planning and Environmental Justice Urban geography is the study of the spatial organization of the city and the interactions between humans, urban ecosystems, and the built environment. This course provides an overview of the history of cities and suburbs, the causes and consequences of racial segregation, and the geography of environmental risk and

vulnerability. Case studies include New York, Chicago, St. Louis, Mexico City, Rio de Janeiro, New Orleans, and Rock Island. The course emphasizes both theory and practice, and we will assess efforts by planners and grassroots organizations to develop walkable, transit-oriented, and more environmentally just cities. Students design and carry out a community-based research project in the Quad Cities.

GEOG 331 – Geography of Latin America (4 credits) (G) This course provides an introduction to the geography of Latin America, including its people, politics, cultures, and environments. Latin America is home to a diverse set of landscapes and ecosystems, including tropical rainforests, snowcapped mountains, plains, deserts, and expanding megacities. In this course, we will examine the relationship between the environment and Latin American societies, focusing on the history of pre-Columbian peoples, European colonialism, uneven economic development, urbanization and migration, and environmental conservation. Case studies include Bolivia, Brazil, Costa Rica, Guatemala, Nicaragua, and Latino/ as in the United States. Offered in alternate years.

GEOG 332 – Geography of the Arctic (4 credits) (G) A regional geographic course exploring the unique and rapidly changing region of the circumpolar Arctic. The course will provide an in-depth focus on the people, politics, economy, and natural environment of the Arctic, with an emphasis on "big picture" topics like climate change, resource extraction, indigenous rights, polar law, and human health. Although we don't live in the Arctic, we'll learn why this region has important implications and connections to the midlatitudes. Offered in alternate years.

GEOG 339 – Historical Geography of North America (4 credits) (PP) Historical Geography introduces students to the field of historical geography and emphasizes its contribution to understanding North America's past. The objectives of the course are 1) to offer a broad survey of North America's past human geographies, emphasizing the period between 1600 and the present and 2) to explore the questions, methods, and sources used within the field of historical geography including archival research, historical Geographic Information Science, and field methods. Offered in alternate years.

GEOG 372 – Digital Cartography and Design (4 credits) This course is an introduction to the principles of digital cartography and map design. Various forms of data visualization techniques (dot map, choropleth, graduated circle, isolines, etc.) will be practiced on a digital platform using GIS and Illustrator software. Emphasis is placed on map user considerations and constraints, and cartographic ethics. GIS is not a prerequisite for the course, but previous knowledge is helpful.

GEOG 375 – Applied Environmental GIS This intermediate-level GIS course focuses on the application of Geographic Information Systems to environmental problem solving and decision making, and weaves theory and practice together. The course will review the principles and methodologies of employing GIS tools and technologies for environmental monitoring and spatial analysis, and will provide students the opportunity to gain hands-on experience in applying some of these tools and technologies in a laboratory environment. Course includes in-class discussions, tutorials, and class projects. Prerequisite: GEOG 100 or GEOG 273 or GEOG 274 or consent from instructor. Offered in alternate years.

GEOG 399 – Directed Study (1 Credits) Opportunity for students to study a particular subject under a faculty member's direction. Prerequisites: permission of department chair and instructor.

GEOG 472 – Seminar on Geographic Research I (2 Credits) Research in design and research methodologies, data collection techniques, analysis and use of quantitative methods in geographic research, selection of an original topic for the senior research paper and preparation of a preliminary outline and chapter for that paper. Should be taken in the second half of spring term of the junior year. Students participating on spring foreign term will need to make special arrangements with department advisors.

GEOG 473 – Seminar on Geographic Research II (2 Credits) Collection and analysis of primary data, selection and preparation of cartographic material for the senior research paper and research writing and presentation; completion and presentation of a major original research paper. (For geography majors in the second half of the fall term of the senior year.) Prerequisite: 472.

GEOG 475 – Advanced GIS (4 Credits) Examination of advanced GIS applications and essential GIS skills including process automation and programming. Essential skills include metadata writing, data conversions, re-projections of spatial data, and spatial data editing. Additional advanced GIS topics will vary based on instructor expertise and interest and will be announced in the spring term in the year before the class is offered. Offered in alternate years. Prerequisite: GEOG 373 or GEOG 374 or consent from instructor.

GEOG 499 – Directed Study (1 Credit) Opportunity for students to study a particular subject under a faculty member's direction. Prerequisites: permission of department chair and instructor.