



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

Substantive Program Modification Form

UNIVERSITY:	SDSU
CURRENT PROGRAM TITLE:	Geography (B.S.)
CIP CODE:	45.0701
UNIVERSITY DEPARTMENT:	Geography & Geospatial Sciences
BANNER DEPARTMENT CODE:	SGGS
UNIVERSITY DIVISION:	Natural Sciences
BANNER DIVISION CODE:	3T

University Approval

To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.

_____ _____
 Dennis D. Hedge 3/25/2020
 Vice President of Academic Affairs or Date
 President of the University

1. This modification addresses a change in:

- | | |
|---|---|
| <input type="checkbox"/> Total credits required within the discipline | <input checked="" type="checkbox"/> Total credits of supportive course work |
| <input checked="" type="checkbox"/> Total credits of elective course work | <input type="checkbox"/> Total credits required for program |
| <input type="checkbox"/> Program name | <input type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input checked="" type="checkbox"/> Other: Add B.A. Degree for Existing Major |

2. Effective date of change: 2020-2021 Academic Year

3. Program Degree Level: Associate Bachelor's Master's Doctoral

4. Category: Certificate Specialization Minor Major

5. If a name change is proposed, the change will occur:

- On the effective date for all students
- On the effective date for students new to the program (enrolled students will graduate from existing program)

Proposed new name:

6. Primary Aspects of the Modification:

Existing Curriculum

Proposed Curriculum (highlight changes)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
Systems General Education Requirements			30 21	Systems General Education Requirements			30
ENGL	101	Composition I (SGR #1)	3	ENGL	101	Composition I Student's Choice (SGR #1)	3
ENGL	201	Composition II (SGR #1)	3	ENGL	201	Composition II Student's Choice (SGR #1)	3
SPCM	101	Fundamentals of Speech (SGR #2)	3			Fundamentals of Speech Student's Choice (SGR #2)	3

Existing Curriculum

Proposed Curriculum (highlight changes)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
GEOG	200	Introduction to Human Geography (SGR #3) (Major Core)	3	GEOG	200	Introduction to Human Geography Student's Choice (SGR #3) (Major Core)	3
		SGR #3	3			SGR #3	3
		SGR #4	3			SGR #4	3
		SGR #4	3			SGR #4	3
		SGR #5	3			SGR #5	3
GEOG	131-131L	Physical Geography: Weather and Climate (SGR #6) (Major Core)	--	GEOG	131-131L	Physical Geography: Weather and Climate (Major Core) Student's Choice (SGR #6)	3
GEOG	132-132L	Physical Geography: Natural Landscapes (SGR #6) (Major Core)	--	GEOG	132-132L	Physical Geography: Natural Landscapes (SGR #6) (Major Core) Student's Choice (SGR #6)	3
Department Requirements <i>Additional required credits of coursework beyond SGRs, Major, and Support Courses</i>			13+ 5	Department Requirements <i>Additional required credits of coursework beyond SGRs, Major, and Support Courses</i>			9-13+ 5-9
		One declared minor outside of the major prefix OR a second major OR a teaching specialization. The minor may be a traditional minor within one department or it may be interdisciplinary involving more than one department. The minor can be in a different college. The minor must be declared no later than the student's third semester of enrollment.	-			One declared minor outside of the major prefix OR a second major OR a teaching specialization. The minor may be a traditional minor within one department or it may be interdisciplinary involving more than one department. The minor can be in a different college. The minor must be declared no later than the student's third semester of enrollment.	-
		Capstone course within major GEOG 447 Geography of the Future	-			Capstone course within major GEOG 447 Geography of the Future OR GEOG 454 Sustainable Communities	-
		Upper Division Credits (300-400 level coursework inside and outside of the major)	33			Upper Division Credits (300-400 level coursework inside and outside of the major)	33
				Bachelor of Arts			9+ 9
						Modern Foreign Language (6+) Competency at the 202 level (6 credits from one approved Modern Foreign language from SGR #4 may be counted toward goal)	6+ 6
				AHSS	111	Introduction to Global Citizenship and Diversity	3
Bachelor of Science			13+ 5+	Bachelor of Science			13+ 5+
		Natural Sciences (10+) Satisfying coursework must include -at least two classes with laboratory components -at least two different prefixes (MATH and STATS courses do not count toward the Science requirement.) (6 credits of SGR #6 are counted toward this goal)	10+ 2			Natural Sciences (10+) Satisfying coursework must include -at least two classes with laboratory components -at least two different prefixes (MATH and STATS courses do not count toward the Science requirement.) (6 credits of SGR #6 are counted toward this goal)	10+ 2

Existing Curriculum

Proposed Curriculum (highlight changes)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
AHSS	111	Introduction to Global Citizenship and Diversity	3	AHSS	111	Introduction to Global Citizenship and Diversity	3
Major Requirements			41	Major Requirements			41
<ul style="list-style-type: none"> Students must complete a minimum of 18 upper division credits in major courses and earn at least a “C” in each course used to meet the major requirements. Maximum of 3 credits of GEOG 494 (Internship) 				<ul style="list-style-type: none"> Students must complete a minimum of 18 upper division credits in major courses and earn at least a “C” in each course used to meet the major requirements. Maximum of 3 credits of GEOG 494 (Internship) 			
				Geography Core Requirements			
GEOG	131-131L	Physical Geography: Weather and Climate (SGR 6)	4	GEOG	131-131L	Physical Geography: Weather and Climate (SGR 6)	4
GEOG	132-132L	Physical Geography: Natural Landscapes (SGR 6)	4	GEOG	132-132L	Physical Geography: Natural Landscapes (SGR 6)	4
GEOG	200	Introduction to Human Geography (SGR 3)	3	GEOG	200	Introduction to Human Geography (SGR 3)	3
GEOG	210	World Regional Geography	3	GEOG	210	World Regional Geography	3
GEOG OR GEOG OR GEOG	372-372L 383-383L 483-483L	Introduction to GIS & Lab (3) Cartography and Lab (3) Aerial Remote Sensing and Lab (3)	3	GEOG OR GEOG	447 454	Geography of the Future Sustainable Communities	3
GEOG OR GEOG	382-382L 421	Quantitative Research Methods in Geography and Lab Qualitative Research Methods in Geography	3	Geography B.A. Requirements			
GEOG	447	Geography of the Future	3	GEOG OR GEOG	372-372L 383-383L	Introduction to GIS & Lab (3) Cartography and Lab (3)	3
		GEOG Electives	6	GEOG OR HIST	421 480	Geographic Research Methods (3) Historical Methods and Historiography (3)	3
		GEOG 200-level and above, maximum of 3 credits of GEOG 494 (Internship)	6	Regional Geography (One GEOG and one other prefix) FREN 433 French Culture and Civilization FREN 385 Travel Study Abroad Francophone GEOG 317 Geography of Africa GEOG 320 Regional Geography: GEOG 430 Geography Europe GER 380 Deutschland Heute GER 435 German Civilization and Culture HIST 476 History of South Dakota POLN 447 Latin American Politics SPAN 433 Spanish Civilization and Culture SPAN 435 Latin American Civilization and Culture			6
Advanced Physical Geography and Human -Earth Relationships (Select <u>three</u> credits from the following:) GEOG 337 Atmospheric Sciences (3) GEOG 339 Geomorphology (3) GEOG 363 Rural Geography (3) GEOG 365 Land Use Planning (3) GEOG 410 Soil Geography & Land Use Interpretation (3) GEOG 415 Environmental Geography and Sustainability (3)			3	Select 12 credits from the following three categories. Select two of the categories and complete one GEOG and one other discipline in each of the two chosen categories.			12

Existing Curriculum

Proposed Curriculum (highlight changes)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
		Regional Geography and Advanced Human Geography Select <u>three</u> credits from the following: GEOG 212 Geography of North America (3) GEOG 219 Geography of South Dakota (3) GEOG 317 Geography of Africa (3) GEOG 320 Regional Geography (3) GEOG 351 Economic Geography (3) GEOG 353 Geography of Religion (3) GEOG 405 Historical Geography (3) GEOG 425 Population Geography (3) GEOG 430 Geography of Europe (3) GEOG 454 Sustainable Communities (3) GEOG 459 Political Geography (3) GEOG 460 Geopolitics (3) GEOG 461 Urban Geography (3) GEOG 464 Local and Regional Planning (3) HIST 312 History of Modern Asia (3) HIST 379 Environmental History of the U.S. (3) POLS 341 European Democratic Governments (3) POLS 447 Latin American Politics (3)	3			Political & Cultural Geography: GEOG 353 Geography of Religion GEOG 405 Historical Geography GEOG 459 Political Geography GEOG 460 Geopolitics GLST 401 Global Cultures and Identities GLST 480 Ethics of Globalization HIST 368 History and Culture of the American Indian HIST 378 Social and Cultural History of the U.S. HIST 462 Formation of Federal Indian Policy POLS 341 Europe Democratic Government POLS 350 International Relations POLS 458 Democracy & Authoritarianism SPAN 476 19 TH and 20 th Century Spain SPAN 477 19 th and 20 th Century Latin America	
						Economic Geography & Social Geography ECON 413 Macroeconomic Policy ECON 433 Public Finance ECON 440 International Economics GEOG 351 Economic Geography GEOG 425 Population Geography GEOG 454 Sustainable Communities GEOG 461 Urban Geography POLS 360 Politics of Inequality SOC 350 Race and Ethnic Relations SOC 440 Urban Sociology SOC 462 Population Studies	
						Environmental Geography AGEC 479 – Agricultural Policy ECON 472 – Resource and Environmental Economics GEOG 365 – Land Use Planning GEOG 415 – Environmental Geography and Sustainability HIST 409 – Environmental History of the U.S. SOC 245 – Environment and Society	
						Geography B.S. Requirements	
				GEOG	421	Geographic Research Methods	3
						GEOG Electives	6
						GEOG 200-level and above, maximum of 3 credits of GEOG 494 (Internship)	6
				GEOG OR GEOG OR GEOG	372-372L 383-383L 483-483L	Introduction to GIS & Lab (3) Cartography and Lab (3) Aerial Remote Sensing and Lab (3)	3

Existing Curriculum

Proposed Curriculum (*highlight changes*)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
						Advanced Physical Geography and Human -Earth Relationships (Select <u>three</u> credits from the following:) GEOG 337 Atmospheric Sciences (3) GEOG 339 Geomorphology (3) GEOG 363 Rural Geography (3) GEOG 365 Land Use Planning (3) GEOG 410 Soil Geography & Land Use Interpretation (3) GEOG 415 Environmental Geography and Sustainability (3)	3
						Regional Geography and Advanced Human Geography Select <u>three</u> credits from the following: GEOG 212 Geography of North America (3) GEOG 219 Geography of South Dakota (3) GEOG 317 Geography of Africa (3) GEOG 320 Regional Geography (3) GEOG 351 Economic Geography (3) GEOG 353 Geography of Religion (3) GEOG 405 Historical Geography (3) GEOG 425 Population Geography (3) GEOG 430 Geography of Europe (3) <u>GEOG 454 Sustainable Communities (3)</u> GEOG 459 Political Geography (3) GEOG 460 Geopolitics (3) GEOG 461 Urban Geography (3) GEOG 464 Local and Regional Planning (3) <u>HIST 312 History of Modern Asia (3)</u> HIST 379 Environmental History of the U.S. (3) POLS 341 European Democratic Governments (3) POLS 447 Latin American Politics (3)	3
Electives (Additional elective credits needed to reach 120 credits)			53	Electives (Additional elective credits needed to reach 120 credits)			40-44
Summary of Credits Geography (B.A.)							
				System General Education Requirements Additional required credits of coursework beyond Major and Support Courses			30
				Department Requirements Additional required credits of coursework beyond SGRs, Major, and Support Courses			9+ 9
				Majors Requirements			41
				Electives (Taken as needed to complete any additional degree requirements)			40
Summary of Credits Geography (B.S.)							
System General Education Requirements Additional required credits of coursework beyond Major and Support Courses			30 21	System General Education Requirements Additional required credits of coursework beyond Major and Support Courses			30 30
Department Requirements Additional required credits of coursework beyond SGRs, Major, and Support Courses			13+ 5	Department Requirements Additional required credits of coursework beyond SGRs, Major, and Support Courses			13+ 5
Majors Requirements			41	Majors Requirements			41
Electives (Taken as needed to complete any additional degree requirements)			53	Electives (Taken as needed to complete any additional degree requirements)			44
Total number of hours required for major			41	Total number of hours required for major			41
Total number of hours required for degree			120	Total number of hours required for degree			120

Delivery Locations: Brookings On Campus and Online

7. Explanation of the Change:

The Department of Geography and Geospatial Sciences is housed in the College of Natural Sciences. Administratively, this works very well because the department's emphasis is on physical geography and geospatial techniques. Nevertheless, the discipline of geography is still both a natural science and a social science. Geographers believe that the challenges confronting humanity result from combinations of natural and human processes and how they interact. Thus, the discipline of geography is placed at the intersection of natural and human processes, making it a bridging discipline. Nevertheless, departments of geography in the United States are usually housed in either a natural science or social science college for administrative purposes though geographers continue to connect the natural and social sciences. For example, the geography department at the Pennsylvania State University, once ranked the top geography department in the United States and is still one of the top departments, is housed within the College of Earth and Mineral Sciences. Although this department has some of the most respected natural scientists, it also has some of the most prominent social scientists. Like many geography departments in the United States, Penn State offers both a B.S. and a B.A. in Geography.

Previously, the Department of Geography and Geospatial Sciences at SDSU offered a B.A. in Geography as well as a B.S., and many students completed it. Demand for such a program justifies the program's resurrection. The new requirements also reflect the growing demand for interdisciplinary knowledge and skills. In an increasingly globalized world, knowledge and skills in different disciplines helps students compete in the workplace. In this spirit, the proposed requirements include natural science geography and geospatial techniques' courses in the foundation of the program but then also include coursework from other social sciences to better position graduates in their career endeavors. The students will benefit from a proposed program that capitalizes on existing expertise on campus and the synergies that such a program cultivates.

The Department of Geography and Geospatial Sciences seeks to offer this program both face-to-face on Brookings campus and online. The online variant is important because it will give access to South Dakotans who are unable to move or travel to Brookings. The B.S. in Geography has been approved for online delivery.