

# GEOGRAPHY - 5-YEAR BACHELOR OF SCIENCE AND MASTER OF SCIENCE IN GEOGRAPHY

## Program Requirements

### First Year

	Semester Credit Hours
<b>Fall</b>	
GEOG 201 Introduction to Human Geography	3
GEOG 215 Geospatial Cornerstone	1
Life and physical sciences <sup>1</sup>	4
Select one of the following:	
OCNG 251 Oceanography & OCNG 252 and Oceanography Laboratory	
GEOL 101 Principles of Geology & GEOL 102 and Principles of Geology Laboratory	
BIOL 111 Introductory Biology I	
CHEM 119 Fundamentals of Chemistry I	
PHYS 201 College Physics	
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )	3
Communication ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> )	3
Human geography elective <sup>2</sup>	3
<b>Semester Credit Hours</b>	<b>17</b>
<b>Spring</b>	
GEOG 203 Planet Earth	3
GEOG 213 Planet Earth Lab	1
MATH 140 Mathematics for Business and Social Sciences	3
Life and physical sciences <sup>1</sup>	4
Select one of the following:	
ATMO 201 Weather and Climate & ATMO 202 and Weather and Climate Laboratory	
GEOL 106 Historical Geology	
BIOL 112 Introductory Biology II	
CHEM 120 Fundamentals of Chemistry II	
PHYS 202 College Physics	
Human geography elective <sup>2</sup>	3
General elective <sup>4</sup>	3
<b>Semester Credit Hours</b>	<b>17</b>
<b>Second Year</b>	
<b>Fall</b>	
GEOG 232 Cartography and Visualization	3
MATH 142 Business Calculus	3
POLS 206 American National Government	3

STAT 303 Statistical Methods	3
General elective <sup>4</sup>	4
<b>Semester Credit Hours</b>	<b>16</b>
<b>Spring</b>	
GEOG 390 Principles of Geographic Information Systems	4
POLS 207 State and Local Government	3
Creative arts ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> )	3
Physical geography elective <sup>3</sup>	6
<b>Semester Credit Hours</b>	<b>16</b>
<b>Third Year</b>	
<b>Fall</b>	
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )	3
Language, philosophy and culture ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> )	3
Geography elective <sup>5</sup>	9
General elective <sup>4</sup>	3
<b>Semester Credit Hours</b>	<b>18</b>
<b>Spring</b>	
Communication ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> )	3
General elective <sup>4</sup>	13
<b>Semester Credit Hours</b>	<b>16</b>
<b>Fourth Year</b>	
<b>Fall</b>	
GEOG 450 Field Geography	3
GEOG 610 Geographical Methods and Theory	3
Graduate elective <sup>6</sup>	3
General elective <sup>4</sup>	6
<b>Semester Credit Hours</b>	<b>15</b>
<b>Spring</b>	
GEOG 440 History and Nature of Geography	3
GEOG 611 Geographical Research Design	3
GEOG 691 Research	2
Graduate elective <sup>6</sup>	3
General elective <sup>4</sup>	6
<b>Semester Credit Hours</b>	<b>17</b>
<b>Fifth Year</b>	
<b>Fall</b>	
Graduate elective <sup>6</sup>	9
<b>Semester Credit Hours</b>	<b>9</b>
<b>Spring</b>	
GEOG 691 Research	6
Graduate elective <sup>6</sup>	3
<b>Semester Credit Hours</b>	<b>9</b>
<b>Total Semester Credit Hours</b>	<b>150</b>

<sup>1</sup> 8 hours required. Department requires that you take two in the same discipline to meet this requirement.

<sup>2</sup> Select from GEOG 301, GEOG 304, GEOG 305, GEOG 306, GEOG 309, GEOG 311, GEOG 320, GEOG 323, GEOG 325, GEOG 327, GEOG 330, GEOG 401, GEOG 406, GEOG 420, GEOG 430.

<sup>3</sup> Select from GEOG 324, GEOG 331, GEOG 335, GEOG 360, GEOG 370/MARS 370, GEOG 400, GEOG 434, GEOG 435, GEOG 442/GEOS 442.

<sup>4</sup> Courses to be selected in consultation with advisor. Select any courses from 100-499 not used elsewhere. (Except AERS 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/aers/>); ASCC 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/ascc/>); ENGL 103; KINE 198, KINE 199; MATH 102-104, 131, 141-142, 150-151, 166, 171 (<http://catalog.tamu.edu/undergraduate/course-descriptions/math/>); MLSC 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/mlsc/>); NVSC 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/nvsc/>); SOMS 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/soms/>); STAT 211, STAT 302, STAT 303).

<sup>5</sup> Choose from any 300 or 400-level geography course.

<sup>6</sup> Select from any 600-level geography course except GEOG 660 or GEOG 691. Up to 2 hours of graduate electives may be used towards the undergraduate degree's general elective

Two courses in the bachelor of science degree plan must be Writing Intensive courses designated by the department in the schedule of classes. Also, International and Cultural Diversity elective (3 hours) and Cultural Discourse (3 hours) must be incorporated into the degree.

The program includes a total of 152 hours, which up to 2 hours may be applied toward both the Bachelor of Science in Geography and the Master of Science in Geography (thesis option).