

# GEOGRAPHY

## B.S. Degree Requirements

### Option II: Landscape Analysis and Climate Change Studies (LACC)

**GENERAL UNIVERSITY REQUIREMENTS**

**COMMUNICATION (9)**

- \_\_\_ ENGL 111X (3)
- \_\_\_ ENGL 211X or 213X (3)
- \_\_\_ COMM 131X or 141X (3)

**PERSPECTIVES ON THE HUMAN CONDITION (18-22)**

Complete the 6 courses listed OR:  
 Complete 4 courses, plus 2 semester-length courses (10 cr.) in a single AK Native or other non-English language or 3 semester-length courses (9 cr.) in American Sign Language.

- \_\_\_ ANTH/SOC 100X (3)
- \_\_\_ ECON/PS 100X (3)
- \_\_\_ HIST 100X (3)
- \_\_\_ ART/MUS/THR 200X or HUM 201X or ANS 202X (3)
- \_\_\_ ENGL/FL 200X (3)
- \_\_\_ BA 323X or COMM 300X or JUST 300X or NRM 303X or PHIL 322X or PS 300X (3)

Language option as listed above:

\_\_\_ ( ) \_\_\_ ( ) \_\_\_ ( )

**MATHEMATICS (6-7)**

- \_\_\_ Complete 1 of the following calculus courses:  
 MATH 200X, 201X, 202X, 262X, 272X (3-4) <sup>+++</sup>
- \_\_\_ Complete 1 MATH/CS/STAT elective:  
STAT 200X or 300 <sup>\*\*</sup> (3)

**NATURAL SCIENCES (16)**

Complete any two 4-credit Core Natural Science courses AND a one-year sequence in 1 natural science beyond the core. Total coursework must represent at least two different natural sciences.

**\*\*ALL COURSES BELOW ARE PRE-REQS FOR MAJOR**

- \_\_\_ BIOL 115X <sup>\*\*</sup> (4) \_\_\_ BIOL 116X <sup>\*\*</sup> (4)
- \_\_\_ GEOG 211X <sup>\*\*</sup> (4) \_\_\_ CHEM 105X <sup>\*\*</sup> (4)

**LIBRARY & INFO SKILLS (0-1)**

- \_\_\_ LS competency test or
- \_\_\_ LS 100X or 101X (1)

**COMPLETE 2 DESIGNATED (W) AND 1 (O) COURSE**

- \_\_\_ GEOG 490W,O <sup>\*\*</sup> (W) \_\_\_ GEOG 489W <sup>\*\*</sup> (W)
- \_\_\_ GEOG 490W,O <sup>\*\*</sup> (O)

**\*\*Courses required by major or as pre-reqs that also satisfy university core requirements**

**UPPER DIVISION CREDITS (39 cr. At 300-level or above)**

Transfer Upper-Division Credits: \_\_\_  
 UAF Upper-Division Credits (minimum of 24): \_\_\_  
 TOTAL Upper-Division Credits TO DATE: \_\_\_  
 Upper-Division Credits TO BE COMPLETED: \_\_\_

Credits for core/general requirements:	49-55
Credits required for major:	58-59
Electives credits:	6-13
<b>Total credits required for degree</b>	<b>120</b>

**B.S. OPTION II (LACC) MAJOR REQUIREMENTS\***

**Geography Foundation Courses Complete all (16)**

- \_\_\_ GEOG 101 (3) Local/Global: Intro to Geography
- \_\_\_ GEOG 211X (4) Physical Geography w/Lab<sup>\*\*</sup>
- \_\_\_ GEOG 312 (3) People, Places & Env: Human Geog.<sup>†</sup>
- \_\_\_ GEOG 338 (3) Introduction to GIS
- \_\_\_ GEOG 490W,O (3) Geography Seminar<sup>+++</sup>

**B. Processes Complete the following (19)**

- \_\_\_ GEOG 401 (3) Weather and Climate<sup>†</sup>
- \_\_\_ GEOG 411 (3) Pattern & Process Arctic-Subarctic<sup>+++</sup>
- \_\_\_ GEOG 412 (3) Geography of Climate Change<sup>+++</sup>
- \_\_\_ BIOL 271 (4) Principles of Ecology<sup>+++</sup>
- \_\_\_ GEOS 304 (3) Geomorphology<sup>†</sup>

Choose **one** Process elective (or another approved by advisor):

- \_\_\_ BIOL 467 (3) Ecosystems of Alaska<sup>\*\*</sup>
- \_\_\_ BIOL 469O (3) Landscape Ecology Wildlife Habitat<sup>+++</sup>
- \_\_\_ NRM 370 (3) Watershed Management<sup>\*\*</sup>
- \_\_\_ NRM 380W (3) Soils and the Environment<sup>+++</sup>

**C. Patterns (Geography Methods) Complete these courses (16-17)**

- \_\_\_ GEOG 309 (4) Cartography
- \_\_\_ GEOG 339 (3) Maps and Landscape Analysis<sup>+++</sup>
- \_\_\_ GEOG 435 (3) GIS Analysis
- \_\_\_ GEOS 458 (3) Geoscience Apps. of GPS & GIS<sup>†</sup>

Choose **one** Patterns elective (or another approved by advisor):

- \_\_\_ GE 471 (3) Remote Sensing for Engineering<sup>+++</sup>
- \_\_\_ GEOS 422 (3) Geoscience Applic. of Remote Sensing<sup>\*\*</sup>
- \_\_\_ GEOS 434 (3) Remote Sensing of Cryosphere<sup>+++</sup>
- \_\_\_ NRM 641 (4) Remote Sensing Applic. in Natural Res.<sup>†</sup>

**D. Senior Capstone Practicum Complete both courses (7)**

- \_\_\_ GEOG 488 (3) Assmnt & Prediction of Natural Hazards<sup>†</sup>
- \_\_\_ GEOG 489W (4) Sen.Pract.-Field Stud. in Landscape Anal.<sup>+++</sup>

**MINOR (optional): \_\_\_\_\_ (Min. 15 cr.)**

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**ELECTIVES (for a total of 120 credits) Must be approved**

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**\*Grades of at least "C" required for all courses in the major.**

**†Prerequisite required from within the degree program.**

**\*\*Prerequisite required from outside the degree program.**

**+++Two or more prerequisite courses.**