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)
- 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:

MATHMATICS (6-7)
Complete 1 of the following calculus courses:
- MATH 200X, 201X, 202X, 262X, 272X (3-4)
Complete 1 MATH/CS/STAT elective:
- STAT 200X or STAT 300 (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.

- BIOL 111X ** (4)
- BIOL 116X ** (4)
- CHEM 105X ** (4)
- CHEM 106X ** (4)
- NRM 370 (3)
- NRM 380W (3)
- NRM 380W, O (3)

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 ** (W)
- GEOG 489W ** (W)
- GEOG 490W, O ** (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
Elective credits: 6-13
Total credits required for degree: 120

BS-LACC MAJOR REQUIREMENTS*

Geography Foundation Courses Complete all (16)
- GEOG 101 (3) Expedition Earth: Intro Geog
- GEOG 111X (4) Phys Geog w/Lab** (formerly Geog 211x)
- GEOG 312 (3) People, Places & Env: Human Geog.
- GEOG 338 (3) Introduction to GIS
- GEOG 490W, O (3) Geography Seminar***

A. As part of the baccalaureate core and B.S. degree requirements, complete CHEM F105X, STAT F200X or STAT 300, BIOL F115X and BIOL F116X.

B. Processes Complete the following (19)
- GEOG 307 (3) Weather & Climate† (formerly Geog 401)
- GEOG 412 (3) Geography of Climate Change††
- GEOG 418 (3) Biogeography††† (formerly Geog 411)
- BIOL 271 (4) Principles of Ecology††
- GEOS 304 (3) Geomorphology*

Complete one Process elective (or another approved by advisor):
- BIOL 467 (3) Ecosystems of Alaska*
- BIOL 469O (3) Landscape Ecology Wildlife Habitat**
- NRM 370 (3) Watershed Management***
- NRM 380W (3) Soils and the Environment***

C. Patterns (Geography Methods) Complete the following (16-17)
- GEOG 309 (4) Digital Cartography & Geovisualization
- GEOG 339 (3) Maps and Landscape Analysis***
- GEOG 435 (3) GIS Analysis
- GEOS 458 (3) Geoscientific Applic. of GPS & GIS†

Complete one Patterns elective (or another approved by advisor):
- GE 471 (3) Remote Sensing for Engineering**
- GEOS 422 (3) Geoscience Applic. of Remote Sensing**
- GEOS 434 (3) Remote Sensing of Cryosphere***
- NRM 641 (4) Remote Sensing Applic. in Natural Res.*

D. Senior Capstone Practicum Complete both courses (7)
- GEOG 488 (3) Assmnt & Prediction of Natural Hazards†
- GEOG 489W (4) Sen. Pract.-Field Study Landscape Anal.***

MINOR (optional): ____________________________ (Min. 15 cr.)

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

**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.