Program Learning Outcomes

Upon successful completion of the B.A. in Geography or the B.S. in Environmental Science, students will be able to:

- Demonstrate mastery of core concepts in human and environmental aspects of Geography (Program Learning Outcome—Mastery of Key Concepts in Discipline)

  Program Rubric (see below)

- Evaluate key patterns in spatial data and identify technologies and research techniques to interpret data for later analysis and problem solving (Scientific and Quantitative Reasoning; Critical Thinking).

  Program Rubric (see below)

- Interpret and critique professional (academic and non-academic) literature (Information Literacy; Critical Thinking).

  GE Rubric for Information Literacy

- Present research results in visual, oral and written formats to a range of audiences, including academic, professional and community (Communication; Collaborative Skills, Civic Participation and Applied Learning).

  GE Rubrics for Oral and Written Communication

- Perform quantitative and qualitative analysis to interpret environmental and social data and address environmental problems (Scientific and Quantitative Reasoning, Human Interaction and Cultural Diversity).

  Program Rubric (see below)

- Develop and carry out social/natural science research in a range of interdisciplinary fields related to the majors (Collaborative Skills, Civic Participation and Applied Learning).

  AACU Teamwork VALUE Rubric

Curriculum Matrix for the Major (I = Introduce; D = Develop/Practice, M = Mastery)

COURSE	PLO 1: Demonstrate mastery of core concepts in human and environmental aspects of Geography	PLO 2: Evaluate key patterns in spatial data and identify technologies and research techniques to interpret data for later analysis and problem solving	PLO 3: Interpret and critique professional (academic and non-academic) literature	PLO 4: Present research results in visual, oral and written formats to a range of audiences, including academic, professional and community	PLO 5: Perform quantitative and qualitative analysis to interpret environmental and social data and address environmental problems	PLO 6: Develop and carry out social/natural science research in a range of interdisciplinary fields related to the majors
ENSC 100 & GEOG 101	I	I	I	I	I	I
GEOG 102 & GEOG 103	I	N/A	I	I	I	I
GEOG 201 & GEOG 280	I	D	I	I,D	D	I
GEOG 300,301, 305, 309, 319, 320, & 385	D	D	D	I,D	D	I,D
All other GEOG 300-level courses	D	I,D	D	D	D	D
GEOG 490 & 495	M	M	M	M	M	M
GEOG 470, 480, 481, & 488	D,M	M	D,M	D,M	D,M	D,M
GEOG 496	D,M	D,M	D,M	M	D,M	D,M
All other GEOG 400-level courses	D,M	D,M	D,M	D,M	D,M	D,M

Program Rubric for PLOs 1, 2 & 5

Student Skills	Evaluate key patterns in spatial data (Program Skill, Critical Thinking)	Identify and use appropriate technologies and research techniques (Program Skill, Critical Thinking)	Interpret data for later analysis and problem solving (Scientific and Quantitative Reasoning; Critical Thinking)
Mastery	Correctly identifies all patterns and provides unique insight into the data	Identifies and augments the appropriate technology and research techniques needed to make ground-breaking observations	Thoroughly and critically analyzes data; offers unique insight and solutions based on the results.
Competent	Identifies obvious patterns and makes basic evaluations	Correctly identifies the appropriate technology and research techniques needed	Correctly analyzes data and offers obvious interpretations/conclusions

Needs improvement	Cannot locate or overlooks patterns	Misidentifies what technology and/or research is needed.	Cannot effectively or critically analyze data; problem solving is hampered by incorrect interpretations