ELIZABETH SIEWERT

GEOSCIENCE & GIS EDUCATOR

CONTACT

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Wausau, WI

SKILLS

ArcGIS Online & Pro
Curricular Development
Course Delivery
HTML/CSS/JavaScript
Python
SQL
Canvas, D2L
Technical Communication

EDUCATION

UW-Madison
Geography Department
2022-2025
MS, Cartography and GIS

UW-Madison
Geoscience Department
2007-2009
MS, Geoscience

Albion College
2003-2007
BA, Geology

PROFILE

Experienced educator and GIS professional with a passion for designing engaging, inclusive learning experiences. Skilled in ESRI tools (ArcGIS Online, Pro, StoryMaps), e-learning platforms (Canvas, D2L), and instructional design for asynchronous, hybrid, and in-person formats. Proven ability to develop curriculum that integrates geospatial technologies, fosters student engagement, and meets diverse learner needs. Currently completing an MS in Cartography & GIS, with a capstone project focused on building an interactive geologic map for public education.

PROFESSIONAL EXPERIENCE

Adjunct Instructor – Earth Science & Physical Geography
Minnesota State College System | Aug 2023-Present
Design and teach asynchronous courses using D2L and ArcGIS Online. Develop interactive assessments that apply geospatial data to real-world environmental questions.

Senior Lecturer – Geography & Geology
University of Wisconsin System | Jan 2011-Present
Lead instructor for GEOG 141: The Geospatial Revolution, introducing students to GIS tools and spatial analysis. Developed four fully online lab courses for UW collaborative programs. Created GIS-integrated modules for Dynamic Planet and Natural Disasters, emphasizing StoryMaps, accessibility, and learner engagement.

Capstone Project – Interactive Geologic Map
MS in Cartography & GIS, UW-Madison | 2025
Developing an interactive web map of Wisconsin's Ice Age Trail highlighting moraines, bedrock, and glacial features. Built using ArcGIS Pro, HTML/CSS, and JavaScript. Presented to the Ice Age Trail Alliance and refined with stakeholder input.

NASA DEVELOP Program – GIS Team Member
EPA/Keweenaw Bay Indian Community | Sept-Nov 2022
Modeled coastal erosion and seasonal turbidity using NASA Earth observations. Applied remote sensing and geospatial analysis to support community planning.