

Amy M. Mares
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Curriculum Vitae

Education

University of New Mexico – *Albuquerque, NM*

BS Geography

Concentration in Geographic Information Science,

Management Minor

May 2025

Relevant Coursework:

- Geog 427 – Intro Programming for GIS
- Geog 488 – GIS Concepts and Techniques
- Geog 483L – Remote Sensing Fundamentals
- Geog 485L – Interactive Web Mapping
- Geog 281 – Cartography
- MGMT 310 – Operations Management

New Mexico State University – *Las Cruces, NM*

BS Geomatics

Currently Enrolled

Relevant Coursework:

- DRFT 222 – Plane Surveying
- DRFT 101 – Intro to Drafting & Design
- DRFT 108 – Drafting Geometry
- SUR 292 – Public Land Survey System Boundary
- BLAW 316 – Legal Environment of Business

Central New Mexico Community College – *Albuquerque, NM*

AAS Integrated Studies

Fall 2017

General Education Credits for undergrad applied to UNM and NMSU upon transfer.

Academic Projects

- Utilized sUAS for High-Resolution Topographic Mapping – Conducted research on UAV-based terrain modeling compared to traditional field methods.
- GIS Analysis of EV Charging Stations in Albuquerque – Used ArcGIS Pro to determine underserved locations for electric vehicle charging stations using weighted analysis methods.
- Geospatial Data Processing for Environmental Monitoring – Processed remote sensing data to assess environmental impacts and land cover changes in flood affected regions.
- Created a website and interactive web map using JavaScript, HTML, and CSS.

Professional Memberships

- Vice President, New Mexico Professional Surveyors (NMPS)
- Student Member, National Society of Professional Surveyors (NMPS)
- Student Member, New Mexico Geographic Information Council (NMGIC)

Certifications & Training

- Arizona Board of Technical Registration, LSIT #013956
 - *Successfully passed NCEES Fundamentals of Surveying Exam demonstrating understanding of surveying principles, methods and practices.*
- FAA Part 107 UAS Certificate
 - *Certified for commercial drone operations and data collection.*
- NSPS Certified Survey Technician III
 - *Successfully passed NSPS CST III Exam demonstrating competency in technical capabilities and general surveying knowledge.*
- Notary Public, State of New Mexico
 - *Assuring document authentication.*
- OSHA 10-Hour Training
 - *Fundamental knowledge of workspace hazards and potential dangers especially related to construction activities.*
- ACA CPR & First Aid Training
 - *Fundamental knowledge of life-saving skills in emergency situations.*
- Certificate in Health, Wellness and Public Safety
 - *Completed focused training on promoting health within the context of public safety and health concerns.*