GIS Faculty

Dr. Matt O'Banion
Washington Hall: Rm 5412
845-938-2326
Matthew.Obanion@westpoint.edu

MAJ Nicholas Lewis
Washington Hall: Rm 5409
845-938-3094
nicholas.lewis@westpoint.edu

CPT(P) Krystle Harrell
Washington Hall: Rm 5322
845-938-0207
krystle.harrell@westpoint.edu

CPT Jordan Laughlin
Washington Hall: Rm 5400
845-938-3136
jordan.laughlin@westpoint.edu

GIS graduates receive 3Y (Space Activities) Skill Identifier and Engineers receive W2 (Geospatial Engineer) on their official military record

GIS FOUNDATIONAL COURSES (TAKE ALL)
- EV377 – Remote Sensing
- EV378 – Computer Cartography
- EV398 – Geographic Information Systems
- EV477 – Advanced Remote Sensing
- EV498 – Advanced Geographic Information Systems
- EV478 – Geospatial Military Operations

SPATIAL DATA ELECTIVES (TAKE ONE)
- EV379 – Photogrammetry
- EV380 – Principles of Surveying

INTEGRATIVE EXPERIENCE
- EV482 – Military Geography

ELECTIVES
- Regional Studies Elective (RSE) (Take 1)
- Environmental Analysis (EA) Elective (Take 1)
- Complementary Support Courses (Take 3)

HONORS PROGRAM IN GIS
- EV489a Advanced Individual Study I
- EV489b Advanced Individual Study II

Geospatial Information Science
Department of Geography and Environmental Engineering
Collect

EV377 Remote Sensing
EV477 Advanced Remote Sensing
Understand how to analyze images from satellites, drones and aerial platforms.

EV378 Cartography
Learn the principles of cartography and data visualization through mapping.

EV398 Geographic Information Systems
EV498 Adv. Geographic Information Systems
Study the input, storage, manipulation, and analysis of geospatial data on advanced digital systems.

Analyze

EV379 Photogrammetry
Learn the art and science of making accurate measurements with images.

EV380 Surveying
Learn to obtain accurate measurements in the field with laser range finding and GPS.

Visualize