Dartmouth College

Title: GIS Specialist/Spatial Analyst
Department: Geography
Reports to: Faculty

Position #: 1000814
Category: Non-Exempt
Level: DRM B
Date: 06/2021

Position Purpose

To support the instructional and research activities of the Geography Department by applying knowledge and skill in GIS, spatial analysis, and related computer technology. See https://searchjobs.dartmouth.edu/postings/58308 to apply.

Key Accountabilities

Note
- Continuing employment is contingent to availability of funding.

Teaching
- Teaches the lab sessions of a number of GIS classes offered by the Geography Department, from the introduction level to the intermediate level.
- Assists the instruction of those GIS classes, including help with grading, answering questions, and addressing technical problems.
- Provides consultancy to faculty and students on the use of hardware and software to achieve their learning objectives.

Research
- Assists faculty members in their research that require GIS operations and spatial analyses.

Service
- Maintains the software, hardware, and network of the department's Rahr computer teaching lab to ensure they are in a functional condition for class teaching, including but not limited to, periodically cleaning of hard drives, re-imaging of all computers, replacement of outdated devices, and daily trouble shooting.
- Services and maintains field equipment, including GPS receivers and tablet computers, for use by department members in the field. Conducts equipment test and dry runs. Instructs in equipment use.

Performs other duties assigned.

Position Requirements

Skills & Knowledge	Experience	Education
- Competent in quantitative/statistical analytical methods, procedures, and techniques. - Extensive knowledge, experience, and skills of	- Two years of relevant laboratory/research experience.	- Bachelor's degree in Geography or a closely related field or the equivalent combination of education and experience.

ESRI's products, especially ArcGIS Desktop and ArcGIS Pro. • Extensive knowledge, experience, and skills in spatial analysis and cartography. • Knowledge and experience of open-source GIS products, e.g., QGIS, will be a plus. • Experience and skills of programming using languages such as R, JavaScript, Python, and/or C# will be a plus. • Experience with Metlab and statistical software will be a plus. • Familiarity with web design, webGIS, computer graphics, and image processing will be a plus. • Commitment to diversity and to serving the needs of a diverse population. • Ability to work independently and apply critical thinking and sound judgment. • Good organizational and time management skills.		