



Dartmouth College

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

Position #: 1000814
Category: Non-Exempt
Level: DRM B
Date: 06/2022

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/63371> to apply.

Key Accountabilities

Note

- Continuing employment is contingent on availability of funding. The position is expected to be 40 hours per week year round. During terms when instructional activities are negligible, the Specialist is expected to actively assist in research and service activities under the guidance of the Department Chair and Administrator.

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 and other members of the Department (e.g., postdoctoral fellows, graduate students, undergraduate researchers) in research activities 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including but not limited to, periodically cleaning of hard drives, re-imaging of all computers, replacement of outdated devices, and daily trouble shooting.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.
- In consultation with the Department Administrator, contributes to maintenance of the Department's website and social media platforms.

Performs other duties assigned.

Position Requirements

Skills & Knowledge	Experience	Education
	<ul style="list-style-type: none"> Two years of relevant 	

<ul style="list-style-type: none"> • Competent in quantitative/statistical analytical methods, procedures, and techniques. • Extensive knowledge, experience, and skills of 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 Matlab and statistical software will be a plus. • Familiarity with web design, webGIS, computer graphics, and image processing will be a plus. • Experience with social media platforms will be a plus. • Commitment to diversity and inclusiveness, 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. 	<p>laboratory/research experience.</p>	<ul style="list-style-type: none"> • Bachelor's degree in Geography or a closely related field or the equivalent combination of education and experience.
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