

SOIL SCIENCE GRADUATE ASSISTANTSHIP

POSITION	Graduate Research Assistant (GRA), Ph.D., Soil Physics Revealing soil structure from thermal and electrical properties
JOB DESCRIPTION	We seek a student to conduct NSF-funded research aimed at understanding relationships between soil structure and thermal, electrical, and hydraulic properties. Work will leverage novel soil sensors, fabricated in our lab, together with modeling of fundamental soil physical property relationships. The candidate will engage with an active research team including other graduate and undergraduate students, and post-doctoral scholars working on a variety of agricultural, environmental, and fundamental soils topics. Presentation of research results for technical and non-technical audiences at local, regional, and national meetings will be an important component of training. All graduate research assistants participate in the Department's teaching program.
LOCATION	Crop & Soil Sciences Department, North Carolina State University, Raleigh, NC We are unique among our U.S. and international peers due to our broad and intensive expertise spanning land use, agriculture, and environmental protection. Our outstanding faculty and strong collaborations with other scientists at our Research I university and elsewhere make us an internationally-recognized center for innovative research and graduate training. We seek high quality students pursuing careers in soil science and related fields. The Raleigh-Durham area consistently ranks among the best places to live in the United States, largely due to its vibrant intellectual community and ample access to recreational and cultural activities.
QUALIFICATIONS	M.S. in Soil Science; Agronomy; Agricultural or Environmental Engineering or closely related field is preferred. Demonstrated excellence in course work. Excellent written and oral communication skills. Ability to work independently and as a team member. Good working knowledge of physics and electronics is desired but not prerequisite.
STIPEND	Annual stipend is \$25,000. Tuition and health insurance covered under the Graduate Student Support Plan. Competitive recruitment supplements are also available.
HOW TO APPLY:	For further information about this position, please contact: Josh Heitman (jlheitman@ncsu.edu , 919-513-1593) or <i>Applications must be submitted online through the NCSU Graduate School (see the "Apply Now" option at www.ncsu.edu/grad/).</i>
DATE AVAILABLE:	August 2021 or until a suitable candidate is identified
North Carolina State University is an equal opportunity, affirmative action employer and actively seeks diversity among its employees.	