GRADUATE ASSISTANT - MOBILE SCIENCE/ENGINEERING LAB

Posting ID: XX18A1302F

Company: UNLV College of Engineering

Position Type: Part-Time

College Major(s): Civil Engineering (CEE), Construction Management (CEM), Mechanical Engineering (ME), Electrical/Computer Engineering (EE/CpE), Computer Science (CS), Entertainment Engineering (EED)

College Level(s): Graduate Student

OVERVIEW

With funding from a sponsor, UNLV is building a “Mobile Lab” to bring science and engineering technology to schools in Las Vegas. Access to special tools (e.g., 3-D printer, scientific equipment) is sporadic throughout the Clark County School District, and often these tools are used infrequently due to lack of training and short-term projects. Rather than equipping each school with specialized equipment, a mobile science/engineering lab could service a large number of schools over the entire year. This solution addresses two major problems (inadequate training and inefficient equipment usage) by having a knowledgeable worker who can ensure the equipment is utilized to capacity and maintained properly. The mobile lab will consist of an enclosed trailer (6'-8’ long) with functional, interior storage to house a variety of supplies for science and engineering projects. During operation, the trailer will be driven to schools where the graduate student will work with teachers and oversee use of the equipment.

Roles and Responsibilities

Work will be structured around design and implementation of the mobile science/engineering lab. In the design phase (October through January), you would be responsible for developing a plan, communicating with key stakeholders, selecting appropriate equipment, designing the trailer interior to house the equipment, and leading a team of undergraduate students in outfitting the trailer. In the implementation phase (February through May), you would be responsible for coordinating and conducting school visits, maintaining the equipment, and collecting evaluation results.

Education and Qualifications

Successful candidates will possess strong organizational skills, oral and written communication skills, an ability to conduct work with limited oversight, and an ability to lead a team of students.

Marian Mason | Internship & Career Services Coordinator | coecareer@unlv.edu | https://unlv.edu/engineering/jobs
UNLV, Howard R. Hughes College of Engineering
Meeting deadlines is a critical component of the job. Candidate should have a strong interest in K-12 education and working with teachers and students. Previous experience with K-12 education or lesson development preferred.

Team: The Mobile Lab Team is currently composed of one PhD student (College of Education) and four undergraduate engineering students. You would join this group near the end of the design phase and work together with the PhD student for the implementation phase (i.e., school visits).

How to Apply
Provide a resume and cover letter stating your interest in the position to: Dr. Erica Marti (erica.marti@unlv.edu). Applications will be reviewed as soon as they are received. Excellent candidates will be invited to interview for the position.