

Community Internship Collaboration

Spring, 2017
Internship Posting

Organization name	The New Mexico Consortium
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Describe your organization	The New Mexico Consortium is a non-profit corporation formed by the three New Mexico research universities to advance scientific research and education. The NMC pursues joint research initiatives with Los Alamos National Laboratory in Advanced Computing, Plant Biology, Modeling and Analysis, and Biological Technology and Engineering.
Internship title	Equipment Technician Intern
Specific days/hours (if applicable)	Work schedule will be set within regular business hours: 8:30-5:00, Monday-Friday, based on intern's availability.
What will the student learn from the internship?	Hands on equipment modification. Student will learn about wiring diagrams, electrical safety, mechanical assemblies and fabrications, gas and pressure delivery systems, minor plumbing installations, shop maintenance, and cleanliness and workplace expectations for an aspiring professional.
What does your business need that a student intern can impact?	The student intern will allow the New Mexico Consortium to complete equipment modifications projects that will ultimately allow lab researchers to better perform experiments.
What project(s) will the intern work on?	The intern will be working at the NMC Bio Lab on the following projects: 1) Upgrading 3 large Percival growth chambers to have T5 lighting, CO2 controls, and Humidity controls. (Electrical, Mechanical, HVAC) 2) Modification of hand built chamber for lab use (Mechanical/Fabrication) 3) Diagnostic analysis of large green Conviron Chambers for possibility of further upgrades and repairs. (Engineering General)
What skills are required for this internship?	Engineering with focus on Electrical, Mechanical, and/or HVAC.
What final deliverables will the student produce?	Refurbished growth chambers for use in the research of plant and microbiology sciences. These chambers will offer researchers upgraded controls over their experimental parameters.
How would you describe the primary purpose of this project? (Select one)	Science (Biology, Chemistry, Environmental)
Any additional information you would like to share?	This is an opportunity for a student who wishes to learn more about electrical engineering, HVAC, or mechanics. The Intern will be expected to show up on time, keep his or her work area clean, and perform other lab maintenance tasks as needed. There will be an emphasis on safety, teamwork, and hands-on progress.