

Sandia National Laboratory
Albuquerque, NM

New Mexico Student Internship Programs

Go to: <http://www.sandia.gov/employment/special-prog/sip/summer.html>

Click on: Undergraduate

Click on: External Job Posting Page

Enter "student" in the search box and scroll down to position # 62438

Job Description

Job Title:	SIP Technical-Undergrad Summer
Job ID:	62438
Location:	SNL New Mexico - SA
Department:	04849
Full/Part Time:	Part-Time
Regular/Temporary:	Temporary
Clearance Required:	N
Clearance Required To Start:	N
Job Requires a Polygraph:	N
Posting Open Date:	03/25/2009
Posting Close Date:	04/08/2009

Equal Employment Opportunity

Sandia National Laboratories is an Equal Opportunity Employer M/F/D/V. If this position requires a Department of Energy (DOE)-granted security clearance, U.S. citizenship and employee eligibility for clearance processing will be required at the time of hire. If you hold dual citizenship and you accept a job offer for a position that requires a DOE-granted security clearance, you may be asked by DOE to renounce your foreign citizenship and retain only your U.S. citizenship.

Required / Desired Criteria

Required Criteria:

- Pursuing a BS or MS in Fire Protection Engineering
- Motivated and willing to work in team environment
- Good communication skills
- Experience with Microsoft Office Suite of software including Word, Excel, and Access

Desired Criteria

- Interest in fire protection systems design and maintenance
- Familiarity with I-Codes and NFPA Standards (i.e., NFPA 13, NFPA 25, NFPA 72)
- Experience in Plan Examination/Review
- Experience with fire protection related software (hydraulic calculation, fire modeling, etc)
- Familiarity with MAXIMO maintenance job planning software

- Prior work experience in fire protection or building department

The successful candidate must meet the general Sandia Student Intern Requirements: Full-time student status (a minimum 12 credit hours), a minimum cumulative GPA of 3.2, and the ability to work up to 40 hours per week. US Citizenship.

Job Description

Recommendations/findings from past customer driven audits/self assessments and lessons learned have identified weaknesses within the fire protection Inspection, Testing, & Maintenance (ITM) program. Due to the critical importance of correcting these deficiencies, and the volume of fire protection systems accountability items, the applicant will assist the department in improving the overall ITM program.

- Collecting technical specifications from various manufacturers on fire systems components
- Reviewing ITM maintenance work orders and job plans for content analysis compared to NFPA 25, 72, etc., requirements
- Field work to assist in inventory of all systems/components and identify make, model and manufacturer as related to site specific location
- Assist in electronically archiving ITM records into our management configuration process
- Developing reporting metrics for evaluating the overall health of the CFPP
- Assisting fire protection engineers in writing job plans based on NFPA ITM requirements

Department Description

The Building and Fire Safety Department at Sandia National Laboratories (SNL) provides building code and fire protection engineering services for the Facilities Management and Operations Center (FMOC). The mission of the FMOC is to manage and maintain existing buildings and utilities; plan, modify and construct new buildings; demolish substandard structures; and provide site services for our customers. The Building and Fire

Safety Department is responsible for the stewardship of the Corporate Fire Protection Program (CFPP). SNL's physical infrastructure includes over 188,000 acres of land and accommodates more than 1,192 government-owned buildings totaling more than 6.47 million gross square feet, with the largest campus located in Albuquerque, NM. The range of work activities requiring code enforcement and fire protection involvement include nuclear, hazardous and explosive materials handling, wild-land fire prevention, construction, renovation, and demolition. The CFPP is responsible for code interpretation and enforcement to ensure SNL projects and operations comply with national consensus building codes, federal regulations, and DOE Orders applicable to facility and worker safety. The CFPP establishes the Policy and implementation processes and procedures to ensure compliance with applicable Federal, State, and Local laws, as well as DOE Orders and Directives. It ensures internal policy requirements are achieved in a cost effective and mission supportable manner, and it also seeks to employ best practices for continuous improvement. We are committed to personnel safety and health, protection of the environment and the facilities we are entrusted to protect, and supporting the Laboratories' mission.