

## ELECTRO MECHANICAL TECHNICIAN TRAINING PROGRAM

Participants will be placed at Los Alamos National Laboratory as limited-term Electro Mechanical Technician I student employees (an entry level position). Selected individuals will be assigned to work under the guidance of Laboratory technical staff members or senior technicians. They will assist Laboratory personnel with routine tasks and basic projects requiring electro mechanical skills and with other duties as required. Laboratory mentors will evaluate all program participants for content knowledge, work performance and progress. Selected individuals must commit to complete the two-year program.

A portion of the student employee's workday will be spent at the UNM-LA campus attending academic courses especially designed for and related to their Laboratory positions. Students will maintain a GPA of 2.0. As per the LANL Tuition Reimbursement policy, the student's costs for tuition, books and fees will be reimbursed at the end of each semester. Financial arrangements can be made with the UNM-LA Financial Aid office.

Upon successful completion of the two-year training program, students will be awarded a Certificate in Electro Mechanical Technology. Continued employment at the Laboratory is a possibility, dependent upon position availability, funding and positive evaluations.

Starting salary is \$ 8.85 per hour. Upon successful completion of each semester a \$.75 per hour raise will be authorized.



## ELECTRO MECHANICAL TECHNICIAN TRAINING PROGRAM CERTIFICATE CURRICULUM

Competency at the Math 120 & 106 (Intermediate Algebra) AND ENGLISH 100 LEVEL REQUIRED

### First Semester (10 credit hours)

Draft 103– Introduction to Drafting  
Elec T 105L – Electromechanical Shop Practice  
Math 121 – College Algebra  
Math 107 – Problems in College Algebra

### Second Semester (10 credit hours)

English 101 – Composition I: Exposition  
Draft 119 – Drafting and Blueprint Reading  
Elec T 101 – DC Circuit Analysis

### Third Semester (11 credit hours)

Math 123 - Trigonometry  
Physics 102 – Introduction to Physics  
Physics 102L – Physics Laboratory  
Elec T 102L – AC Circuit Analysis

### Fourth Semester (9 credit hours)

Chem 111L – Elements of General Chemistry  
CT 111 – Introduction to Computer Aided Drafting and Design  
Elec T 11L – Vacuum Systems  
Elec T 112L – RF Power Laboratory

### Total Credit Hours – 40

An Associate Degree of Electro Mechanical Technology is available with additional coursework.

## REQUIREMENTS

- Interest in and aptitude for electro mechanical systems
- Must demonstrate strong oral/written communication and interpersonal skills
- Must have a high school diploma or GED
- Must be 18 years of age by date of acceptance
- Ability to obtain a "Q" Clearance which normally requires US citizenship

## APPLICATION MATERIALS

- A statement of interest indicating your interest and skills (drafting, modeling, construction, wiring, etc.)
- A resume
- Official High School/GED/college transcripts
- Two letters of reference (teacher, supervisor, professor)
- LANL Form 902 - Supplemental Employment Information
- LANL Form 1817 – Request for Background Investigation

## HOW TO APPLY

Application materials must be submitted to the program coordinator at UNM-LA and received by the deadline.

Yohanna Wiuff  
Student Services, EMTP Coordinator  
The University of New Mexico – Los Alamos  
4000 University Drive  
Los Alamos, NM 87544  
(505) 662-0341 or 1-800-894-5919 (NM)

## TESTING

Placement testing will be completed by UNM-LA prior to the interview. Please contact Yohanna Wiuff at 505-662-0341.

## SELECTION PROCESS

Applicants will be screened and interviewed by a joint UNM-LA and LANL selection committee for aptitude, academic ability, and interest.

## ELECTRO MECHANICAL TECHNICIAN TRAINING PROGRAM

### *PROGRAM OBJECTIVES*

To reach out to men and women of the local communities in order to:

- Develop employability skills in individuals that make them marketable in the workforce.
- Promote the concept of and provide access to higher education opportunities for members of the workforce in New Mexico
- Create a pool of qualified individuals from which Los Alamos National Laboratory could draw technical positions.

For more information visit our website at [www.lanl.gov/education/](http://www.lanl.gov/education/).

Los Alamos National Laboratory and the University of New Mexico - Los Alamos are Affirmative Action / Equal Opportunity Employers. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.

The University of New Mexico – Los Alamos  
4000 University Drive  
Los Alamos, NM 87544

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Opportunities in  
Science, Math & Engineering

# Electro Mechanical Technician Training Program

*Gain hands-on work experience while  
attending college*

A two-year work-study program designed  
for individuals with an interest in the  
Electro Mechanical field