



Associate of Applied Science in Applied Technologies
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Degree Summary

Purpose

The program is designed to

- provide the basic academic and hands-on skills for entry-level technician positions in rapidly evolving fields such as nanotechnology, electro-mechanical technology, manufacturing;
- prepare students become competitive in the labor market for technicians;
- provide quality training needed for individuals seeking employment with regional employers such as LANL, Intel, Bechtel, Qwest, PNM.

Program Description

The degree program includes general education core classes and a group of basic technical courses. Each participant in this degree program will select one area of concentration which contains specialized technical training courses. Initially, 3 areas of concentration may be offered:

- 1) Electro-Mechanical Technology,
- 2) Nanotechnology,
- 3) Manufacturing Technology.

Other concentration areas will be added as needed or requested. The core curriculum classes in the degree program will be offered each year and technical courses will be offered on a 1 – 3 year basis as needed for cohorts of students progressing through the program.

Program Curriculum

Core Classes

Math – College Algebra, Trigonometry

English – Composition, Technical Communications

Science – General Chemistry, Introduction to Physics

Computer Science – Computer Aided Drafting and Design

Communication – Public Speaking

Technical Courses

Introduction to Drafting

Blueprint Reading

Machining

Welding

Electronics – Electronic Devices, Electronics Lab

Material Science & lab

Safety in the Workplace

Service-learning

Students have the opportunity to use skills and knowledge in real-life situations by working on projects connected to their chosen area of concentration.