
Auburn University Job Description

Job Title: **Lead Machinist**

Job Code: **AD87**

Grade ST17 \$58,700 - \$105,700

FLSA status: Non-exempt

Job Family: Production & Skilled Trades

Job Summary

Performs various duties including setting up and operating a variety of machines and equipment. Combining elements of mechanical design, technical drawings, mathematics, and computer programming. Tracks a product through each phase of its creation, from an initial concept to a tangible, finished item and utilizes 3D printers, CNC machines, Coordinate Measuring Equipment, and state of the art 3D scanners to physically make precision products.

Essential Functions

1. Serves as senior workforce member on the ICAMS Safety Council. Enforces and supervises principles and legal requirements for OSHA Machining Safety, Material Safety Data Sheets, Lock Out Tag Out (LOTO), and Electrical Safety.
2. Demonstrates excellent capability to program CMM machines and 3D scanners of all types. Gathers and organizes data and information, establishes cause-and-effect patterns.
3. Collaborates with vendors to maintain all manual and CNC equipment. Able to independently troubleshoot and take corrective actions necessary to maintain the functionality of machining equipment.
4. Leads teams of less experienced operators, engineers and students on industry field trips to assist regional industries.
5. Lectures and leads workshops on CAD and CAM to industry and students.
6. Certifies GD&T drawings as an advanced Senior Level operator.
7. Leads troubleshooting teams upon request to troubleshoot 5 axis machines, Swiss machines, Grinding machines and EDM machines.
8. Instructs all Level 1, 2, 3 and 4 skills with other operators and students.
9. Performs most duties of a level 2 and level 3 Machinist.
10. Operates as a qualified Safety Officer during complex operations.
11. Performs other duties as assigned.

Supervisory Responsibility

Full supervisory responsibility for other employees is a major responsibility and includes training, evaluating, and making or recommending pay, promotion or other employment decisions.

The above essential functions are representative of major duties of positions in this job classification. Specific duties and responsibilities may vary based upon departmental needs. Other duties may be assigned similar to the above consistent with the knowledge, skills and abilities required for the job. Not all of the duties may be assigned to a position.

Auburn University Job Description

Minimum Required Education and Experience

	<u>Minimum</u>	<u>Focus of Education/Experience A.S in</u>
Education	Associate's Degree	Advanced Manufacturing,
Experience (yrs.)	6	Machining or Computer Numerical Control (CNC) Machining

Substitutions allowed for Education:

Indicated education is required; no substitutions allowed.

Substitutions allowed for Experience:

Indicated experience is required; no substitutions allowed.

Minimum Required Knowledge

Knowledge of basic machining concepts.

Certification or Licensure Requirements

NIMS Certification in Milling 1 and 2-Required
NIMS Certification in Turning 1 and 2-Required
Qualified as CNC 5 axis Operator-Required
Qualified as an Electrostatic Discharge Machine Operator-Required
NIMS Certification in Diemaking Level III (preferred)
NIMS Certification in Moldmaking Level III (preferred)
GD&T Technologist Level Exam (required)
GD&T Senior Level Exam (preferred)

Pre-Employment Screening Requirements

Must be eligible for U.S Security Clearance.

Physical Requirements/ADA

Regularly involves lifting, bending or other physical exertion. Often exposed to one or more elements such as heat, cold, noise, dust, dirt, chemicals, etc., with one often to the point of being objectionable. Injuries may require professional treatment.

Routine deadlines; usually sufficient lead time; variance in work volume seasonal and predictable; priorities can be anticipated; some interruptions are present; involves occasional exposure to demands and pressures from persons other than immediate supervisor.

Job frequently requires standing, walking, reaching, stooping/kneeling/crouching/crawling, talking, hearing, handling objects with hands, and lifting up to 25 pounds.

Job occasionally requires sitting, climbing or balancing, and lifting more than 100 pounds.

Vision requirements: Ability to see information in print and/or electronically, ability to distinguish colors.

Date: 8/3/2023
