Auburn University Job Description

Job Title: **Senior Machinist** Grade ST13 $40,400 - $64,600

Job Code: **AD85**

FLSA status: Non-exempt

Job Family: Facilities, Maintenance, & Operations

Job Function:

Job Summary

Under limited supervision, sets up and operates a variety of machines, and equipment. This combines elements of mechanical design, technical drawings, mathematics, and computer aided machining (CAM).

Essential Functions

1. Safely uses all manual metrology tools. Leads manual metrology workshops including a discussion on Geometric Dimensioning and Tolerancing.
2. Troubleshoots CNC (Computer Numerically Controlled) G Code problems as they are encountered and fix them.
3. Creates complex engineering drawings from scratch or with customer input. Reviews and corrects customer drawings as necessary to produce CNC programs.
4. Reviews and detects errors in engineering drawings.
5. Programs 5 axis CNC machines.
6. Maintaines national certification in principles and legal requirements for OSHA Machining Safety, Safety Data Sheets, Lock Out Tag Out (LOTO), and Electrical Safety. Complies these standards professionally in the facility.
7. Performs all duties of a level I Machinist.
8. Teaches all Auburn University Level 1 and Level 2 skills to other operators and students in Industry and at the university.
9. Supervises safety of undergraduate and graduate students on the production/shop floor.
10. Performs other related duties as assigned.

Supervisory Responsibility

May be responsible for training, assisting or assigning tasks to others. May provide input to performance reviews of other employees.

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.

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Minimum Required Education and Experience

	Minimum	Focus of Education/Experience
Education	Associate's Degree	A.S in Advanced Manufacturing, Machining or Computer Numerical Control (CNC) Machining
Experience (yrs.)	2	

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 must be completed within 12 months of hire, transfer or promotion.
NIMS Certification in Turning 1 and 2 must be completed within 12 months of hire, transfer or promotion.
Qualified as CNC 5 axis Operator-Required
Qualified as an Electrostatic Discharge Machine Operator-Required
NIMS Certification in Diemaking I (preferred)
NIMS Certification in Moldmaking Level I (preferred)
NIMS I 4.0 Smart Maintenance Specialist (preferred)
NIMS I 4.0 Smart Production Specialist (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