



Laboratory Assistant I - Aeronautics

Classified Range: 39

Board Approved: 11/18/21 P. 1|4

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job; however, any additional duties will be reasonably related to this class.*

SUMMARY DESCRIPTION

Provides instructional support to faculty in the instruction of students enrolled in the Aeronautics Program

SUPERVISION RECEIVED AND EXERCISED

Receives general direction from appropriate supervisor; checks with supervisor regarding non-routine assignments. May provide technical and functional direction to assigned student workers.

REPRESENTATIVE DUTIES

1. Working from knowledge of the subject area, reference materials, course outline, and without specific instructions, sets up and prepares class demonstrations in the Aeronautics program.
2. Assembles supplies, materials, and equipment used in class demonstrations and assignments.
3. Maintains inventory records, orders, receives, and stocks materials, supplies, and equipment for program use.
4. Issues and maintains records on materials loaned to students, instructors, and other departments; issues and maintains records on lockers.
5. Collaborates with faculty in all phases of airframe and power plant technology training in accordance with Federal Aviation Regulations, including the usage of equipment and materials, and shop safety practices.
6. Demonstrates the safe and effective operation, and use of tools and equipment.
7. Maintains the shop and equipment in a safe and organized manner; handles hazardous or dangerous materials and equipment appropriately; oversees the cleanup of work areas; participates in the daily cleanup of the shop, and the maintenance and repair of equipment.
8. Explains tool room procedures, and responds to student questions regarding the nomenclature, use, and availability of tools, materials, and supplies; assists in the inventory and storage of materials and supplies.
9. Demonstrates and provides assistance in the use of publications, files and service manuals used in the program.
10. Operates, adjusts, maintains, and performs minor repairs on tools, equipment and supplies used in the Aeronautics laboratory.
11. May maintain expenditure records and provide data for budget estimates.
12. Performs other duties related to the primary job duties.



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MINIMUM QUALIFICATIONS

CORE COMPETENCIES:

Critical Thinking

- Analytically and logically evaluates information to resolve problems
- Follow guide, SOP or other step by step procedures for locating the source of a problem and fixing it
- May detect ambiguous, incomplete, or conflicting information or instructions**

Fact Finding

- Obtaining facts and data pertaining to an issue or question
- Uses defined investigation and information search techniques

Adaptability

- Responding positively to change and modifying behavior as the situation requires**
- Accept and adjust to changes and the unfamiliar

Attention to Detail

- Focusing on the details of work content
- Shows care and thoroughness in adhering to process and procedures that assure quality
- Applies knowledge and skill in recognizing and evaluating details of work**
- Applies skilled final touches on products

Listening

- Comprehend and verbal instructions and orally presented information
- Recalls or retrieves key points in a conversation
- Listen actively by rephrasing others' input cogently and accurately**

Using Technology

- Working with electronic hardware and software applications
- Using basic features and functions of software and hardware
- Experiments and finds novel uses for standard features and functions **
- Adds, improves, modifies, or develops features and functionality**

Customer Focus

- Attending to the needs and expectations of customer
- Seeks information about the immediate and longer term needs of the customer
- Anticipates what the customer may want or expect in a product or service
- Works across organizational boundaries to meet customer needs **



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Reading Comprehension

- Understanding and using written information
- Knows the meaning of printed words; comprehend the literal meaning of text
- Make interpretations, applications, deductions, inferences, extrapolations from written information **

Professional and Technical Expertise

- Applying technical subject matter to the job **
- Applies a mastery of knowledge and skill for performing across a wide range of technical or professional applications
- Possess recognized expertise outside of the organization**

Self-Management

- Follows through on instructions and assignments
- Self-directed and self-monitored in commitments and accomplishments
- Redefines or reprioritizes activities within scope of responsibility

Valuing Diversity

- Shows acceptance of individual differences
- Welcomes input and inclusion of others who may be different from oneself
- Shows understanding and empathy for the challenges of groups seeking inclusion or dealing with perceived discrimination

***Lead, Advanced or Senior Level Positions*

Education and Experience Guidelines

Education:

- Equivalent to completion of high school.

Experience:

- Two (2) years of experience in the preventive maintenance and repair of aircraft and aircraft engines.

License or Certificate:

- Possession of an Airframe and Powerplant Mechanics Certificate issued by the Federal Aviation Administration
- Possession of, or ability to obtain a valid forklift certification.



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PHYSICAL DEMANDS AND WORKING ENVIRONMENT

The conditions herein are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.

Environment: Work is performed primarily in a laboratory setting; exposure to dusts, fumes, noise; work with laboratory and mechanical equipment and apparatus.

Physical: Primary functions require sufficient physical ability and mobility to work in a laboratory setting; to stand or sit for prolonged periods of time; to occasionally stoop, bend, kneel, crouch, reach, and twist; to frequently lift, carry, push, and/or pull light to moderate amounts of weight up to 50 pounds; to occasionally lift, carry, push, and/or pull heavier amounts of weight with or without assistance; to operate laboratory equipment requiring repetitive hand movement and fine coordination including use of a computer keyboard; and to verbally communicate to exchange information; requires the wearing of personal protective equipment including safety glasses or goggles, lab coats, rubber or gloves, respirators, or face shields.

Vision: See in the normal visual range with or without correction; vision sufficient to read computer screens and printed documents; and to operate assigned equipment.

Hearing: Hear in the normal audio range with or without correction.