

AVIATION SAFETY SPECIALIST I

This is specialized work in assisting in the development, coordination, administration and promotion of aviation safety training programs.

Employees perform research and development relating to aviation safety and assists in conducting an active statewide aviation safety and education program directed toward pilots, mechanics and other support functions involved in the aviation field. Work includes developing and presenting safety seminars, designing and preparing aviation safety reports for publication, and serving as an aviation safety resource to private pilots, airport owners and managers, and other related groups. Employees also conduct refresher courses and seminars on aviation safety, perform aerial hazard control investigation, assist in the maintenance of agency flight operations manuals and operating procedures, and perform co-piloting duties as required. Work may include other duties and responsibilities as assigned.

I. DIFFICULTY OF WORK:

Variety and Scope - Duties primarily involve assisting in the planning, developing, promoting, coordinating, and consulting with state, local government, and public groups in aviation safety training. Additional responsibilities include co-piloting single and multi-engine fixed wing aircraft in point to point passenger and precision photogrammetry flights.

Intricacy - Subject matter, format, and presentation of information will vary according to particular groups. Work assignments and projects can involve a variety of generally related areas including research in aviation safety, preparation of safety reports, investigations of aerial hazards, analysis of flight operations in specific locations on request, and safety consulting on air and ground traffic patterns, and other aspects of facility or flight operations.

Subject Matter Complexity - Work requires some understanding of the concepts and principles of aviation safety in combination with a knowledge of piloting and the aviation industry.

Guidelines - Guidelines are provided in a variety of resource and professional sources, including manuals, texts, FAA publications, and Federal and State laws and regulations as applicable.

II. RESPONSIBILITY:

Nature of Instructions - Employee receives specific objectives, projects, and assignments from supervisor.

Nature of Review - Work is closely reviewed, both technically and administratively, to assure objectives of aviation assignments are met. Piloting duties are reviewed through observation and check flights.

Scope of Decisions - Directly impacts most aviation personnel operating within the State. Indirectly impacts the general public of North Carolina, especially those using aviation facilities, air transportation and airports.

Consequence of Decisions - Information provided through consultation and training programs could ultimately affect the safety of the public and employees involved in aviation operations.'

III. INTERPERSONAL COMMUNICATIONS:

Scope of Contacts - Work requires contact with local, state and federal officials including the military, in addition to public groups in the aviation field.

Nature and Purpose - The major purpose is to provide a resource for aviation safety to those involved in the general field of aviation. This is accomplished primarily through explaining and educating during seminars and refresher courses; but also includes promoting, motivating and influencing various groups and authorities when providing information and evaluating operations.

IV. OTHER WORK DEMANDS:

Work Conditions - The majority of the work is performed in an indoor setting but field visits, usually to airports, provide exposure to various weather conditions. The field visits sometimes include construction sites, at which dust, fumes and noise are present. Co-piloting duties are performed in an aircraft cockpit with varying temperature and noise conditions.

Hazards - Work requires some travel and hazard potentials such as those normally associated with vehicular or aircraft conveyance.

V. RECRUITMENT STANDARDS:

Knowledges, Skill, and Abilities - Considerable knowledge of the guidelines and regulations concerning aviation and aviation safety; the FAA rules and regulations concerning piloting aircraft; and in the operation of single and multi-engine aircraft. Some knowledge of the methods and techniques of presenting educational and informational materials. Skill in piloting in IFR and VFR conditions. The ability to communicate and teach effectively; to establish and maintain effecting working relationships with the public and co-workers.

Minimum Training and Experience - Graduation from high school and a minimum of 500 hours of flight time in a closely related type of aircraft and/or type of mission, along with a minimum of two years of related experience; or an equivalent combination of training and directly related experience.

Necessary Special Qualifications - Certification as an FAA commercial or air transport pilot in airplanes, and possession of an FAA Class II Medical Certificate. May also require ratings in multi-engine (land), instrument flying, or others as designated.

Special Note - This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA. Examples of work are primarily essential functions of the majority of positions in this class, but may not be applicable to all positions.