



PRINCE WILLIAM COUNTY GOVERNMENT
invites applications for the position of:
**Fire Protection Engineer
(Engineer II)**

An Equal Opportunity Employer

POSITION #: 156003
DEPARTMENT: FIRE & RESCUE
SALARY: \$62,029.50 - \$105,300.00 Annually
OPENING DATE: 03/15/19
CLOSING DATE: Continuous

INTRODUCTION:

Would you like to be part of The Prince William County Fire Marshal's Office, a division of Prince William County Fire and Rescue? The successful candidate will be responsible for fire protection and fire prevention related to new and existing construction and developments. Our primary goal is to assure that fire suppression systems are designed and installed in accordance with the Virginia state mandated code requirements. Fire suppression systems are essential to the life safety aspects of buildings. Fire Marshal Office responsibilities are important to the welfare of building occupants, first responders and citizens of Prince William County.

The successful candidate will:

1. Perform fire protection plan reviews and code compliance issues in accordance to the applicable code requirements i.e., building code, fire code, respective NFPA codes and the approved fire protection system plan
2. Shows accuracy and proficiency in documenting the status of the fire protection permit and any associated code compliance issues using the EnerGov permit system
3. Displaying effective communication skills with customers, contractors, and County staff in order to address issues efficiently and complete the tasks accurately in a timely manner
4. Actively listen and understand code related issues and policies related to the job tasks and responsibilities that complies with the FMO goals
5. Complete and maintain the state mandated training required to perform as a fire protection plan reviewer, fire protection inspector and assistant fire marshal within 18 months

Preferred Experience and Certifications

Experience reviewing fire protection system designs and fire protection system installations. Experience using applicable NFPA Standards and Building Codes to determine plan compliance. Possession of Virginia 3C (Fire Protection Plan Review) and Virginia 3B (fire Protection General) certification. NICET Level III or Level IV certification for fire sprinkler systems or fire alarm systems.

Apply today!

Entry Salary Range: \$62,029.50 - \$83,674.50

Excellent benefits including coverage under the Virginia Retirement System.

GENERAL DEFINITION OF WORK, TYPICAL TASKS, KNOWLEDGE, SKILLS AND ABILITIES:

The statements in this class specification are intended to describe the general nature and level of work being performed by incumbent(s) assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified.

GENERAL DEFINITION OF WORK:

Performs responsible professional engineering work involving a specific engineering discipline in accordance with the requirements of the appointing agency. Work involves a wide variety of projects that require independent planning of work details for completion of special projects; or a specific area of expertise.

Work is performed under regular supervision of a Department Director or designee. Limited supervision may be exercised over engineering assistants, subordinate engineers and clerical support staff, is applicable to the work assignment or a specific project.

Distinguishing Differences:

An Engineer II differs from an Engineer I based on entry level work in a training nature, engineering calculations and analysis, cost estimates and report writing. This position is a journey level position performing full performance professional engineering work in a specific engineering discipline.

TYPICAL TASKS:

Oversees design, construction and inspections of public projects;
Coordinates the work of consulting architects and engineers with various agencies;
Participates in the review of construction and site plans for code compliance, conduct feasibility studies and develop cost estimates for design and construction;
Performs review to ensure that the design and planning of all land development projects, including subdivision, site plans and plats, to ensure compliance with all applicable codes and standards;
Performs site visits to proposed developments;
Designs and prepares plans, profiles, and specifications and surveys, oversees construction and inspection of designated public and private projects;
Designs and prepares construction plans for water drainage or related municipal improvements;
Researches and implements new techniques and equipment in areas of specialization;
Coordinates work of consulting engineers with various agencies;
Supervises and participates in the review of construction plans, site and subdivision plans, and rezoning plans for compliance with all codes and ordinances and for adherence to acceptable engineering principles;
Supervises subordinates in a variety of engineering projects, as required for specific work assignment;
Serves as liaison to County state officials, contractors, and developers on assigned projects within a specialized area of engineering;
Develops database management systems to track and analyze the status of engineering projects;
Conducts feasibility studies and develops cost estimates for design and construction involving applications of various engineering practices and principles;
Conducts plan review of fire protection systems for compliance with Virginia Uniform Standard building Code;

Reviews engineering designs prepared by others, including quality assurance review and code conformance review;

Ensures compliance with all applicable engineering principals and required standards;

Provides contract management of engineering in a specified area of expertise;

Monitors budgets, schedules and progress payments, technical reports, plans, plats and specifications;

Meets with prospective developers and their engineers to inform them of county and department development regulations, review procedures and general plan processing requirements;

Coordinates with other agencies internally and externally to solve problems and make recommendations for solutions;

Provides transportation engineering and planning in relation to construction, road design, safety and improvements;

Develops, writes and coordinates requests for proposals for a variety of engineering professional services;

Investigates citizen's complaints in a specified area of engineering and provides recommendations for solutions;

Administers complex structures inspections programs performing a wide range of structurally engineering, geo-technical engineering and general engineering;

Oversees the preparation of failure analysis of failure structures.

KNOWLEDGE, SKILLS AND ABILITIES:

Thorough knowledge of the theory, principles, practices and methods of engineering in a variety of specialized areas as applied to planning, designing of structures and/or facilities, such as roads, buildings and/or water supply pertaining to fire protection principles and practices and sewage systems, or waste disposal units; inspecting land acquisitions, land development and construction and maintenance of varied public and private projects architectural engineering or of other areas of assignment; thorough knowledge of fire protection engineering technology; thorough knowledge of the principles, practices and techniques of engineering computerized drafting, hydraulic, sanitation, traffic, transportation, structural, mechanical, electrical, hydraulic calculations relating to automatic sprinkler systems and water supply; thorough knowledge of plan review of fire protection systems; general knowledge of the principles and practices of federal, state, County and Department of Fire and Rescue (DFR) and Fire and Rescue Association (FRA) policies and procedures where applicable to assignment; general knowledge of land and engineering survey systems, methods and techniques; general knowledge of departmental policies, procedures and technical standards; ability to instruct subordinate personnel in proper work methods and to supervise their work; ability to plan and design engineering projects in a specific area of expertise, e.g. fire protection and prevention, safety plans as applied to a specific area of Fire and Rescue; ability to make comprehensive reviews of a variety of plans; ability to develop database management systems to track and analyze the status of projects; ability to inspect construction facilities and to determine compliance with codes; ability to establish and maintain effective working relationships with County officials, employees, contractors and the general public; ability to communicate effectively, both orally and in writing; ability to prepare comprehensive technical reports; ability to operate engineering instruments, equipment and CADD.

EDUCATION AND EXPERIENCE:

Requires a Bachelor's Degree in an engineering discipline required by a specific position or related engineering field (i.e. architectural); and 2-3 years professional engineering work experience in departmental areas such as Planning, Public Works, Office of Technology, Facilities and Support Services; or areas which would be applicable to department needs, e.g. Fire and Rescue.

SPECIAL REQUIREMENTS:

Special Requirements:

Per the Code of Virginia Chapter 4, Title 54.1 - Licensure regulations are governed by the Commonwealth of Virginia Department of Professional and Occupational Regulations - Board of Architects, Professional Engineers, Land Surveyors, Certified Interior Designers and Landscape Architects.

Must possess a valid driver's license.

Must pass DMV Record Check.

Development Services Building Development Requirement:

Must become certified by the Virginia Department of Housing and Community Development as a Technical Assistant to the Building Official (applicable to assignment) within 18 months of employment/promotion in accordance with the Virginia Uniform Statewide Building Code.

Fire & Rescue Requirement:

Effective October 2012, mandated by the Virginia State Board of Health 12VAC5-31-540, VA EMS Regulations require a criminal background check conducted by the Central Crime Records Exchange and the National Crime Information Center via Virginia State Police; and a driving record transcript from the individual's state Department of Motor Vehicles

Fire Protection Engineering Technology Requirement:

Required National Institute for Certification in "Engineering" Technologies (NICET) Level IV, within one year of employment.

PREFERENCES:

Engineering-in-Training (EIT) Certification in Virginia is preferred.

Licensure as a Professional Engineer (PE) in Virginia is preferred in the Department of Public Works.

APPLICATIONS MAY BE FILED ONLINE AT:

<http://www.pwcgov.org/jobs>

OUR OFFICE IS LOCATED AT:

1 County Complex Court
Suite 155
Woodbridge, VA 22192

hr@pwcgov.org

Job #201204989
FIRE
PROTECTION
ENGINEER
(ENGINEER II)
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Prince William County is an Equal Opportunity Employer and supports workforce diversity.

Prince William County determines the legal employment status of all County employees by utilizing a two step process. Document verification is the first step of the process which is required of all employers as set forth in the Immigration Reform and Control Act of 1986. The second step in our process is E-Verify, an Internet-based system made available by the Department of Homeland Security and the Social Security Administration. This system permits the County to electronically confirm legal employment status of all new hires.

Fire Protection Engineer (Engineer II) Supplemental Questionnaire

- * 1. I understand that information provided on my application is used to determine my qualifications. Information on my resume will not substitute for the education, work experience and required fields on the County application. Only information provided at the time of the application submission will be considered when determining my qualifications. Only responses to Supplemental Questions that can be verified in my submitted education and work experience will be credited.]
- I have read, understand, and acknowledge the above statement
- I decline to proceed any further in this process.
- * 2. This position requires any combination of education and experience equivalent to a Bachelor's degree in Fire Protection Engineering or related field. Please select the choice which best describes your highest level of education.
- Associates degree in Fire Protection Engineering or related field
- Associates degree, unrelated
- Bachelor's degree in Fire Protection Engineering or related field
- Bachelor's degree, unrelated
- Master's degree or higher in Fire Protection Engineering or related field
- Master's degree or higher, unrelated
- None of the above
- * 3. This position requires 2-3 years professional engineering work experience in the Fire Protection Systems field. Please select the choice which best describes your work experience.
- 5 years or more professional engineering work experience in the Fire Protection Systems field.
- 4 years professional engineering work experience in the Fire Protection Systems field.
- 3 years professional engineering work experience in the Fire Protection Systems field.
- 2 years professional engineering work experience in the Fire Protection Systems field.
- 1 year professional engineering work experience in the Fire Protection Systems field.
- Less than 1 year professional engineering work experience in the Fire Protection Systems field.
- * 4. Please quantify your years of experience reviewing fire protection system designs and fire protection systems installations.
- 6 or more years of experience reviewing fire protection system designs and fire protection systems installations
- 4-5 years of experience reviewing fire protection system designs and fire protection systems installations
- 2-3 years of experience reviewing fire protection system designs and fire protection systems installations
- 1 year of experience reviewing fire protection system designs and fire protection systems installations
- Less than 1 year of experience reviewing fire protection system designs and fire protection systems installations
- * 5. Please quantify your experience using applicable NFPA Standards and Building Code to determine plan compliance.
- 6 or more years of experience using applicable NFPA Standards and Building Code to determine plan compliance.
- 4-5 years of experience using applicable NFPA Standards and Building Code to determine plan compliance.
- 2-3 years of experience using applicable NFPA Standards and Building Code to determine plan compliance.
- 1 year of experience using applicable NFPA Standards and Building Code to determine plan compliance.

Less than 1 year of experience using applicable NFPA Standards and Building Code to determine plan compliance

* 6. Please indicate if you have any of the following certifications.

- Virginia 3C (Fire Protection Plan Review) Certification
- Virginia 3B (Fire Protection General) Certification
- Certification in another state
- None of the above

* 7. Please indicate the date(s) your fire protection certification(s) were obtained, enter N/A if you do not have any of the certifications mentioned above.

* 8. Are you eligible to become certified by the state of Virginia as an E.I.T. (Engineer-In-Training) within one year of employment?

- Yes
- No

* 9. Are you willing to accept a starting salary between \$62,029.50 - \$83,674.50?

- Yes
- No

* Required Question