

## **IS APPLICATIONS ANALYST PROGRAMMER II**

### **DEFINITION OF WORK**

This is professional work in the performance of the full range of complex analytical and programming activities within Information Services. Under the direction of a technical or administrative supervisor, employees perform analysis and programming associated with complex maintenance, modifications, or enhancements to existing computer applications; or analysis and programming associated with the development of complex new applications. Work in this class is distinguished from that recognized in the IS Applications Analyst Programmer I class by the sophistication of the analytical questions and judgments facing the employee in the maintenance or enhancement of large applications, and/or by the responsibility given the employee for the complete development of system modules for complex applications. Employees either oversee the programming activities of lower level applications programmers or perform the programming duties associated with the projects themselves. Work may include related duties as required.

### **EXAMPLES OF WORK**

Work may include assessing, designing, developing, implementing and maintaining applications to enhance information processing in County operations; serving as a project leader; developing new programs/procedures; addressing problems with existing software; and assisting other programmers. Employees may confer with users regarding needs for systems development, modification, enhancements, customization, and special requests; analyze user operations (both manual and automated); identify needed changes and resources; and develop and/or update software to facilitate the operations. Development work may include design, files, reports, data entry formats, and documentation. Implements new applications and/or modifications; and tests to ensure there are no operational problems. Provides training, assistance and guidance to users regarding use of new software. Assists the department operations staff with resolving problems. Troubleshoots applications as needed. Coordinates, plans and instructs the work of computer programmers engaged in assigned projects. Develops and maintains documentation for assigned programs and software; writes complex programs. Evaluates information from non-County sources as it pertains to extra and intradepartmental activities. Coordinates intra- and interdepartmental activities to ensure effective and efficient information processing. Performs systems operations duties as requested. Purges system files of outdated and unnecessary information. Employees may provide services in areas such as application development, database integration development, database server administration, web content maintenance, and web server administration. Employees may also perform GIS desktop and internet application programming; MS SQL Server/SDE database administration; and problem resolution with GIS systems.

### **EMPLOYMENT STANDARDS**

#### **Education and Experience:**

Graduation from a four-year college or university with a degree in computer science, information technology, information systems or a closely related discipline and four years of experience that includes performing systems analysis, development and programming work; or an Associate's degree in computer science, information technology, information systems or a closely related field and six years of experience that includes performing systems analysis, development and programming work; or an equivalent combination of education and experience.

**Knowledge, Skills, and Abilities:**

Thorough knowledge of programming techniques, programming language(s), operating systems, and the capabilities and limitations of computer and peripheral equipment. Thorough knowledge of the principles and techniques of computer programming applications and documentation. Considerable knowledge of the analysis process. Ability to comprehend, analyze, and interpret organizational and procedural problems to make alterations to existing applications or develop new applications. Ability to plan and coordinate the work of other analysts and programmers. Ability to communicate effectively in oral and written form. Ability to establish and maintain effective working relationships.

**SPECIAL REQUIREMENTS**

Requires hardware and software knowledge of micro and mainframe computers, knowledge of batch and online concepts in information processing; Prefer experience in VSE or MVS operating systems and/or experience with COBOL or CICS. Background check with local law enforcement agency required. Some positions within classification may require a valid North Carolina driver's license. Condition of Employment: Each applicant who is tendered an offer for employment for any position with Cumberland County shall be tested for the use of drugs specified in the County policy. Refusal to submit to testing or a confirmed positive test shall be basis for withdrawal of the conditional employment offer.

**ADA REQUIREMENTS**

Requires the ability to perform coordinated movements for the purpose of operating a wide range of office equipment including mainframe and personal computers and related peripheral equipment. Some tasks require the ability to perceive and discriminate colors or shades of colors. Some tasks require the ability to perceive and discriminate sounds. Some tasks require visual perception and discrimination. Some tasks require oral communications ability. Tasks may risk exposure to adverse environmental conditions, such as dirt, dust, odors, temperature extremes or eye strain.

**PHYSICAL REQUIREMENTS**

Tasks involve the ability to exert very moderate physical effort in light work, typically involving some combination of stooping, kneeling, crouching and crawling, and which may involve some lifting, carrying, pushing and/or pulling of objects and materials of moderate weight (12-20 pounds).