

Title: <b>Applications Analyst/Programmer V</b>	Effective Date: October 18, 2010	Grade: XV	Job Category: Professional
Prior Title: Senior Programmer/Analyst	Prior Effective Date: August 24, 2007	Grade: XV	Page: 1 of 1

**CHARACTERISTICS OF WORK**

This position is responsible for the design and maintenance of large complex computer systems.

**EXAMPLES OF WORK**

The following examples are intended only as illustrations of various types of work performed. No attempt is made to be exhaustive. Related, similar, or other logical duties are performed as assigned. The Department may require employees to perform functions beyond those contained in job descriptions. The Department may modify job descriptions based on Department needs. The Arkansas State Highway and Transportation Department is an "at will" employer.

**APPLICABLE TO MAINTENANCE ANALYST:**

- Lead programming teams, perform advanced programming and test system prior to production.
- Review user's proposed system changes to determine feasibility, compliance with Division programming standards and complexity of maintenance.
- Develop jobs and programs with flowcharts, data formats, runbooks, informational flows (including manual tasks) and reload/recovery procedures.
- Modify production programs with approved user recommendations and provide system and user documentation according to Computer Services Standards.

**APPLICABLE TO DEVELOPMENT ANALYST:**

- Lead project teams involved in major system development.
- Review user's current systems and determine feasibility of proposed systems in terms of existing hardware/software capabilities, cost, manpower, and time for development.
- Formulate detail design of individual application programs.
- Monitor creation of test data, direct conversion, parallel testing and implementation.
- Develop jobs and programs with flowcharts, data formats, runbooks, informational flows (including manual tasks) and reload/recovery procedures.
- Modify production programs with approved user recommendations and provide system and user documentation according to Computer Services Standards.

**MINIMUM REQUIREMENTS**

The educational equivalent to a bachelor's degree from an accredited college or university in computer science or related field plus a minimum of five years of progressively more responsible experience in programming, two of which must be in leadership capacity. Knowledge of current programming methods, capabilities, limitations and internal processing methods for hardware and software used in applications systems for the mainframe and PC. Ability to develop logic for complicated functions according to verbally expressed needs.

*("Accredited" means the educational institution or program is accredited by an accrediting organization recognized either by the United States Department of Education or by the Council for Higher Education Accreditation.)*