

Programmer Analyst

Salary Range: \$4,619.00 - \$7,322.00 Monthly

Knowledge and Skillsets for Programmer Analysts

- Ability to conduct tests (e.g., unit, integration, stress, regression) to ensure the software functions as designed
- Ability to define and develop computer programs/applications with reusable components to streamline development and improve consistency and maintainability
- Ability to define and document technical requirements to design, develop and support systems
- Ability to define and document data and process flows to meet the system requirements
- Ability to develop and implement effective security practices to ensure system is safe from unauthorized users
- Ability to develop and maintain computer program/application documentation for ease of understanding and ongoing support
- Ability to incorporate data integrity control methods (e.g., validation, auditing) in the application design process
- Knowledge of basic mathematical principles to define equations and manipulate variables
- Knowledge of database administration functions (e.g., design, build, maintain, backup, recovery, user administration) to provide an application foundation and ensure data integrity and security
- Knowledge of debugging/troubleshooting tools and techniques used to assess problems within a computer program/application
- Knowledge of system development methodologies (e.g., Systems Development Lifecycle, Agile, Waterfall, Iterative)
- Ability to query databases to retrieve and update data using database query languages (e.g., Structured Query Language)
- Ability to write code using programming languages (e.g. VB.Net, JavaScript) in order to develop computer programs/applications

Job Titles for Programmer Analysts

- Systems Developer
- Database Administrator
- Software Engineer

How to Get a Job With the State:

<http://www.calhr.ca.gov/Pages/job-seekers-video-tutorials.aspx>

CDPH IT Career Opportunities: <http://cdph.ca.gov/it-jobs>