# APPLICATIONS PROGRAMMER (1429)

## Task List

1. Writes new programs or modifies existing ones with programming languages, such as Java, C++, .NET, JavaScript, PHP, or C#, from specifications provided by supervisors, in order to meet the new hardware and software needs, or changing requirements of users and management.

2. Writes detailed flow charts, program designs, and operational documentation in order to establish or modify an existing production job.

3. Responds to users' requests made through telephone, e-mail, and memos, for information concerning hardware and software use, availability, capability and maintenance, in order to meet the service needs of users, which include budget and facilities planning.

4. Physically installs and uses various network devices such as terminals, printers, or controllers, by delivering, unpacking, and setting up equipment, providing the cable connection to the main frame, and conducting necessary tests, to insure that communication capability is created, and made available to users.

5. Talks to users and writes down complaints regarding printers and personal computers to initially troubleshoot the issue, then assigns the complaints to appropriate internal IT staff or vendors depending upon the complexity of the issue in order to resolve problems and ensure user satisfaction.

6. Writes necessary test data such as valid, invalid, numeric, and character data elements, in order to verify that the program executes correctly and generates expected output.

7. Reads computer test runs for completeness and correctness of output, and makes all necessary program changes (e.g. recoding, modifying requirements), in order to satisfy the requirements of the program specification.

8. Writes status reports including information such as tasks accomplished, status of incomplete tasks, problems encountered, and tasks for future completion, in order to keep management and users informed of operational conditions and new developments.

9. Makes oral presentations to supervisors and users, in order to keep both management and users informed of operational conditions and new development.