

## COMPUTER PROGRAMMER

RAPIDS: 0811D

O\*NET/SOC: 15-1131.00

REVISION DATE: 09/2019

**TRADE DESCRIPTION:** Create, modify, and test the code, forms, and script that allow computer applications to run. Work from specifications drawn up by software developers or other individuals. May assist software developers by analyzing user needs and designing software solutions. May develop and write computer programs to store, locate, and retrieve specific documents, data, and information.

**TASK PERFORMANCE:** Demonstrate knowledge and skills for qualifying as Journeyman. Applicable Job Qualification Requirements will be used as a guide in performing tasks and demonstrating knowledge in the following skill areas. Actual work time must be recorded in the Work Experience Log; each skill area must be completed.

### Applicable Ratings/MOS/NEC

**USMC MOS:** None

**USCG:** None

**USN:** IT, ITS

**USA MOS:** None

### Related Instruction:

Trade related On-The-Job-Training (OJT) or Any Trade related schools/courses totaling 288 or more hours.

### Additional Requirement:

None

Total Hours: **4000**

Skill	Description	Hours
A	SOFTWARE DEVELOPMENT	1000

	<p>-- Write, update, and maintain computer programs or software packages to handle specific jobs such as tracking inventory, storing or retrieving data, or controlling other equipment.</p> <p>-- Write, analyze, review, and rewrite programs, using workflow chart and diagram, and applying knowledge of computer capabilities, subject matter, and symbolic logic.</p> <p>-- Perform systems analysis and programming tasks to maintain and control the use of computer systems software as a systems programmer.</p>	
<b>B</b>	<p><b>DOCUMENTATION DEVELOPMENT AND REVISION</b></p> <p>-- Compile and write documentation of program development and subsequent revisions, inserting comments in the coded instructions so others can understand the program.</p> <p>-- Prepare detailed workflow charts and diagrams that describe input, output, and logical operation, and convert them into a series of instructions coded in a computer language.</p> <p>-- Write or contribute to instructions or manuals to guide end users.</p>	<b>800</b>
<b>C</b>	<p><b>SOFTWARE TESTING</b></p> <p>-- Conduct trial runs of programs and software applications to be sure they will produce the desired information and that the instructions are correct.</p> <p>-- Investigate whether networks, workstations, the central processing unit of the system, or peripheral equipment are responding to a program's instructions.</p>	<b>600</b>
<b>D</b>	<p><b>PROGRAM ERROR CORRECTION</b></p> <p>-- Correct errors by making appropriate changes and rechecking the program to ensure that the desired results are produced.</p> <p>-- Consult with and assist computer operators or system analysts to define and resolve problems in running computer programs.</p>	<b>600</b>
<b>E</b>	<p><b>PROGRAM REVISION</b></p> <p>-- Consult with managerial, engineering, and technical personnel to clarify program intent, identify problems, and suggest changes.</p> <p>-- Perform or direct revision, repair, or expansion of existing programs to increase operating efficiency or adapt to new requirements.</p>	<b>600</b>
<b>F</b>	<p><b>TRAINING</b></p> <p>-- Assign, coordinate, and review work activities of programming personnel.</p>	<b>400</b>