

STATE OF OHIO (DAS) CLASSIFICATION SPECIFICATION	CLASSIFICATION SERIES: Systems Programmer	SERIES NO.: 6419	
	MAJOR AGENCIES: Attorney General only	EFFECT. DATE: 01/01/1980	NEW EFF. DATE: 09/22/1991

SERIES PURPOSE:

The purpose of the systems programmer occupation is to maximize response time & overall system performance of mainframe computers.

Incumbents install & maintain operating system software or act as lead worker.

CLASS TITLE:

Systems Programmer 1

CLASS NUMBER:

64191

EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

09/22/1991

CLASS CONCEPT:

The full performance level class works under general supervision & requires considerable knowledge of computer science & operating systems programming in order to install, test & maintain operating system software on mainframe computers.

CLASS TITLE:

Systems Programmer 2

CLASS NUMBER:

64192

EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

09/22/1991

CLASS CONCEPT:

The advanced level class works under direction & requires thorough knowledge of computer science & operating systems programming in order to lead team of lower-level systems programmers in installation & maintenance of operating system software on mainframe computers.

CLASS TITLE: Systems Programmer 1	CLASS NO.: 64191	BARG. UNITS: 047
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EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

09/22/1991

JOB DUTIES IN ORDER OF IMPORTANCE: (THESE DUTIES ARE ILLUSTRATIVE ONLY. INCUMBENTS MAY PERFORM SOME OR ALL OF THESE DUTIES OR OTHER JOB-RELATED DUTIES AS ASSIGNED.)

Installs, tests & maintains operating system software on mainframe computer in order to maximize computer response time & to enhance overall system performance (e.g., participates in pre-installation planning; reads technical computer systems/software manuals & guides; performs regression testing; installs new software packages/upgrades; monitors hardware performance as result of software changes; evaluates vendor software releases; restores system following software or hardware massive failures; maintains system security).

Provides technical assistance to management & system users; identifies, analyzes & resolves software problems associated with teleprocessing applications; contacts vendor representatives to resolve system problems; trains programmers & computer operations personnel in use of software & hardware; analyzes system &/or region dumps/error messages.

Writes exit routines &/or programs to interact with system software; recommends programming & operating standards to aid in optimum software/ hardware performance; prepares system performance & usage reports.

MAJOR WORKER CHARACTERISTICS:

Knowledge of computer science; computer hardware & peripheral equipment; functions & capabilities of software systems; computer programming; job control & report-generating languages; software installation & maintenance procedures of mainframe operating systems. Ability to read & understand variety of technical material related to computer software & related hardware systems; define problems, collect data, establish facts & draw valid conclusions; communicate verbally on technical matters; move limbs/fingers easily to operate computer terminal.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of undergraduate core program in computer science; 12 mos. trg. or 12 mos. exp. in Job Control Language; 12 mos. trg. or 12 mos. exp. in high-level computer language (e.g., COBOL); 3 mos. trg. or 3 mos. exp. in software installation & maintenance for mainframe operating systems.

-Or alternative, equivalent evidence of the Major Worker Characteristics noted above.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

Not applicable.

UNUSUAL WORKING CONDITIONS:

Work involves operation of computer terminal for long periods of time; may be on-call 24 hrs./day, 7 days/week.

CLASS TITLE: Systems Programmer 2	CLASS NO.: 64192	BARG. UNITS: 047
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EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

JOB DUTIES IN ORDER OF IMPORTANCE: (THESE DUTIES ARE ILLUSTRATIVE ONLY. INCUMBENTS MAY PERFORM SOME OR ALL OF THESE DUTIES OR OTHER JOB-RELATED DUTIES AS ASSIGNED.)

Leads team of lower-level systems programmers (i.e., provides work direction & training) in installation, testing & maintenance of operating systems software on mainframe computers, participates in planning software requirements, provides technical advice & assistance to lower-level systems programmers, assists in developing procedures & standards for work unit & assists in scheduling new installations.

Installs, tests & maintains operating system software on mainframe computer in order to maximize computer response time & to enhance overall system performance (e.g., participates in pre-installation planning; reads technical computer systems/software manuals & guides; performs regression testing; installs new software packages/upgrades; monitors hardware performance as result of software changes; evaluates vendor software releases; restores system following software or hardware massive failures; maintains system security).

Provides technical assistance to management & system users; identifies, analyzes & resolves software problems associated with teleprocessing applications; contacts vendor representatives to resolve system problems; trains programmers & computer operations personnel in use of software & hardware; attends management meetings &/or vendor schools; writes procedures for operations staff.

MAJOR WORKER CHARACTERISTICS:

Knowledge of employee training & development*; computer science; computer hardware & peripheral equipment; functions & capabilities of software systems; computer programming; job control & report-generating languages; software installation & maintenance procedures of mainframe operating systems. Ability to read & understand variety of technical material related to computer software & related hardware systems; define problems, collect data, establish facts & draw valid conclusions; communicate verbally on technical matters; move limbs/fingers easily to operate computer terminal.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of undergraduate core program in computer science; 12 mos. trg. or 12 mos. exp. in software installation & maintenance of mainframe operating systems; 2 yrs. trg. or 2 yrs. exp. in Job Control Language; 2 yrs. trg. or 2 yrs. exp. in high-level computer language (e.g., COBOL).

-Or 12 mos. exp. as Systems Programmer 1, 64191AG.

-Or alternative, equivalent evidence of the Major Worker Characteristics noted above.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

Not applicable.

UNUSUAL WORKING CONDITIONS:

Work involves operation of computer terminal for long periods of time; may be on-call 24 hrs./day, 7 days/week.