

STATE OF OHIO (DAS) CLASSIFICATION SPECIFICATION	CLASSIFICATION SERIES: Application Development	SERIES NO.: 6411
	MAJOR AGENCIES: Attorney General only	EFFECT. DATE: 01/01/1980

SERIES PURPOSE:

The purpose of the application development occupation is to write & design new &/or modify existing computer programs in order to create computer applications for utilization by the Attorney General's office.

At the lower-levels, incumbents write, test, modify & debug new & existing computer programs from low to medium to high complexity level utilizing program specifications.

At the middle levels, incumbents act as project leaders & work independently writing, analyzing & designing new & existing computer programs of highest complexity level.

At the supervisory level, incumbents oversee application development program & supervise lower-level information technology personnel.

Defining computer programs of low to high level of complexity:

Low Level: Programs with only a few screens and modules, which are utilized for a section within the Attorney General's office (30 or fewer people). These programs require lower level application developers to adhere to strict standards, coding specifications & assignment sheets.

Medium Level: Programs with an increasing number of programs and modules which are utilized by more than one section within the Attorney General's office. These programs can be created independently by middle level application developers.

High Level: Programs with a large amount of screens and modules which are utilized agency wide. The programming logic is difficult in nature & middle to high level application developers & analysts must independently understand the appropriate programming tool, environment & business practice between two different languages.

CLASS TITLE:
Application Developer 1

CLASS NUMBER:
64111

EFFECTIVE DATE:
01/01/1980

NEW EFFECTIVE DATE:
07/26/1998

CLASS CONCEPT:

The entry level class works under immediate supervision & requires some knowledge of information technologies, computer program development & computer coding & specifications in order to write, test, modify & debug new & existing computer programs of low to medium complexity level, use program specifications when coding computer programs, adhere to all programming standards & provide completed work product to upper level application developer for review.

CLASS TITLE:
Application Developer 2

CLASS NUMBER:
64112

EFFECTIVE DATE:
01/01/1980

NEW EFFECTIVE DATE:
07/26/1998

CLASS CONCEPT:

The developmental performance level class works under general supervision & requires working knowledge of information technologies, computer program development & computer coding & specifications in order to write, test, modify & debug new & existing computer programs of medium to high complexity level, analyze & design computer

programs &/or program modules based on design phase documents & recommend & make modifications to program specifications.

CLASS TITLE:
Application Developer 3

CLASS NUMBER:
64113

EFFECTIVE DATE:
01/01/1980

NEW EFFECTIVE DATE:
07/26/1998

CLASS CONCEPT:

The full performance level class works under direction & requires considerable knowledge of information technologies, computer program development & computer coding & specifications in order to independently code, write, test, modify & debug new & existing computer programs of medium to high complexity level, develop & design specifications on program function & act as project leader on computer program development assignments.

CLASS TITLE:
Application Developer 4

CLASS NUMBER:
64114

EFFECTIVE DATE:
01/01/1980

NEW EFFECTIVE DATE:
07/26/1998

CLASS CONCEPT:

The first advanced performance level class works under general direction & requires considerable knowledge of information technologies, computer program development & computer coding & specifications in order to independently write, analyze & design new & existing computer programs of highest complexity level, assess project needs & requirement for application development, advise management & co-workers of application development & review work of lower-level application developers.

CLASS TITLE:
Application Analyst 1

CLASS NUMBER:
64115

EFFECTIVE DATE:
01/01/1980

NEW EFFECTIVE DATE:
07/26/1998

CLASS CONCEPT:

The second advanced performance level class works under general direction & requires thorough knowledge of data base design, visual basic programming, Microsoft Access, information technologies, computer program development & computer coding & specifications in order to independently write, analyze & design new & existing computer programs of highest complexity level, determine project needs & requirements for application development, interview & advise users regarding programming standards & review work of lower-level application developers.

CLASS TITLE:
Application Analyst 2

CLASS NUMBER:
64116

EFFECTIVE DATE:
01/01/1980

NEW EFFECTIVE DATE:
07/26/1998

CLASS CONCEPT:

The expert performance level works under general direction & requires extensive knowledge of data base design, visual basic programming, Microsoft Access, information technologies, computer program development & computer coding & specifications in order to independently write, analyze & design new & existing computer programs of highest complexity level, determine project needs & requirements for application development, advise management regarding policy development, programming standards, project requirements & staffing requirements, review work of lower-level application developers & participate in interviewing applicants for lower-level computer positions.

CLASS TITLE:

Application Development Supervisor

CLASS NUMBER:

64117

EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

07/26/1998

CLASS CONCEPT:

The supervisory level class works under administrative direction & requires extensive knowledge of data base design, visual basic programming, Microsoft Access, information technologies, computer program development & computer coding & specifications in order to direct & oversee application development program & multiple projects, act in absence of director &/or assistant director regarding information technology issues, administer long range strategic planning, formulate application development policies & procedures, establish & implement quality assurance procedures & supervise lower-level information technology personnel.

CLASS TITLE: Application Developer 1	CLASS NO.: 64111	BARG. UNITS: 047
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EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

07/26/1998

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.)

Writes, tests, modifies & debugs new & existing computer programs of low to medium complexity level, uses program specifications when coding computer programs, adheres to all programming standards & provides completed work product to upper level application developer for review.

Compares program results with user requirements & expected outputs for adequacy & program functions; assists with writing & development of technical & on-line help documentation; troubleshoots computer related problems & finalizes & helps with user specification as part of requirements definition phase.

Provides technical assistance to user group on proper use of equipment & conducts or assists in training of new or modified programs.

MAJOR WORKER CHARACTERISTICS:

Knowledge of computer systems/programming; computer program specifications & coding; client server technologies (e.g., Microsoft SQL & Visual Basic); program modules*; training methods*. Skill in operation of personal computer & peripheral equipment (e.g., printers, modems). Ability to write computer modules & screens within computer programs; communicate verbally & in writing technical information technology matters; read technical instructions; collate & classify information about data, people or things; cooperate with others on group projects; move limbs/fingers easily to perform manual functions repeatedly.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of associate degree program or undergraduate program core coursework in computer information science, information technology or business/accounting which must have included at least one course in each of following: computer programming & programming techniques, job control/programming language, management information systems & algebraic algorithms or algebra course providing mathematical concepts for use in computer science.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

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

Not applicable.

UNUSUAL WORKING CONDITIONS:

Not applicable.

CLASS TITLE: Application Developer 2	CLASS NO.: 64112	BARG. UNITS: 047
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EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

07/26/1998

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.)

Writes, tests, modifies & debugs new & existing computer programs of medium to high complexity level, analyzes & designs computer programs &/or program modules based on design phase documents & recommends & makes modifications to program specifications.

Writes, tests, modifies & debugs new & existing computer programs of low to medium complexity level; compares program results with user requirements & expected outputs for adequacy & program functions; assists with writing & development of technical & on-line help documentation; troubleshoots computer related problems & finalizes user specifications as part of requirements definition phase; adheres to all programming standards & provides completed work product to upper level application developer for review.

Assists in conducting user interviews to understand business process, provides technical assistance to user group on proper use of equipment & conducts or assists in training of new or modified programs.

MAJOR WORKER CHARACTERISTICS:

Knowledge of computer systems/programming; computer program specifications & coding; client server technologies (e.g., Microsoft SQL & Visual Basic); design phase documents; program modules; training methods*. Skill in operation of personal computer & peripheral equipment (e.g. printers, modems). Ability to write computer modules & screens within computer programs; communicate verbally & in writing technical information technology matters; read technical instructions; collate & classify information about data, people or things; cooperate with others on group projects; move limbs/fingers easily to perform manual functions repeatedly. (*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of associate degree program or undergraduate program core coursework in computer information science, information technology or business/accounting which must have included at least one course in each of following: computer programming & programming techniques, job control/programming language, management information systems & algebraic algorithms or algebra course providing mathematical concepts for use in computer science; 6 mos. exp. in writing, testing, modifying & debugging new & existing computer programs of low to medium complexity level.

-Or 6 mos. exp. as Application Developer 1, 64111AG.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

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

Not applicable.

UNUSUAL WORKING CONDITIONS:

Not applicable.

CLASS TITLE: Application Developer 3	CLASS NO.: 64113	BARG. UNITS: 047
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EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

07/26/1998

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.)

Independently codes, writes, tests, modifies & debugs new & existing computer programs of medium to high complexity level, develops & designs specifications on program function & acts as project leader on computer program development assignments.

Compares program results with user requirements & expected outputs for adequacy & program functions; assists with writing & development of technical & on-line help documentation; troubleshoots computer related problems & finalizes user specification as part of requirements definition phase.

Assists in conducting user interviews to understand business process, provides technical assistance to user group on proper use of equipment & conducts or assists in training of new or modified programs.

MAJOR WORKER CHARACTERISTICS:

Knowledge of computer systems/programming; computer program specifications & coding; client server technologies (e.g., Microsoft SQL & Visual Basic); design phase documents; program modules; project leadership skills & management*; training methods*. Skill in operation of personal computer & peripheral equipment (e.g., printers, modems). Ability to independently write computer modules & screens within computer programs; delegate project assignments; communicate verbally & in writing technical information technology matters; read technical instructions; collate & classify information about data, people or things; cooperate with others on group projects; move limbs/fingers easily to perform manual functions repeatedly. (*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of associate degree program or undergraduate program core coursework in computer information science, information technology or business/accounting which must have included at least one course in each of following: computer programming & programming techniques, job control/programming language, management information systems & algebraic algorithms or algebra course providing mathematical concepts for use in computer science; 18 mos. exp. in writing, testing, modifying & debugging new & existing computer programs of medium to high complexity level.

-Or 6 mos. exp. as Application Developer 2, 64112AG.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

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

Not applicable.

UNUSUAL WORKING CONDITIONS:

Not applicable.

CLASS TITLE: Application Developer 4	CLASS NO.: 64114	BARG. UNITS: 047
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EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

07/26/1998

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.)

Independently writes, analyzes & designs new & existing computer programs of highest complexity level, assesses project needs & requirements for application development, advises management & co-workers on application development & reviews work of lower-level application developers.

Acts as project leader on computer program development assignments; compares program results with user requirements & expected outputs for adequacy & program functions; writes or assists with development of technical documentation; troubleshoots computer related problems & finalizes user specification as part of requirements definition phase.

Provides technical assistance to user group on proper use of equipment & conducts or assists in training of new or modified programs.

MAJOR WORKER CHARACTERISTICS:

Knowledge of computer systems/programming; computer program specifications & coding; client server technologies (e.g., Microsoft SQL & Visual Basic); basic database administration; design phase documents; program modules; project leadership skills & management; training methods*. Skill in operation of personal computer & peripheral equipment (e.g., printers, modems). Ability to independently write computer modules & screens within computer programs; design tables, forms & data base structure; delegate project assignments; communicate verbally & in writing technical information technology matters; read technical instructions; collate & classify information about data, people or things; cooperate with others on group projects; move limbs/fingers easily to perform manual functions repeatedly.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of associate degree program or undergraduate program core coursework in computer information science, information technology or business/accounting which must have included at least one course in each of following: computer programming & programming techniques, job control/programming language, management information systems & algebraic algorithms or algebra course providing mathematical concepts for use in computer science; 30 mos. exp. independently coding, writing, testing, modifying & debugging new & existing computer programs of medium to high complexity level.

-Or 6 mos. exp. as Application Developer 3, 64113AG.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

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

Not applicable.

UNUSUAL WORKING CONDITIONS:

Not applicable.

CLASS TITLE: Application Analyst 1	CLASS NO.: 64115	BARG. UNITS: 047
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EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

07/26/1998

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.)

Independently writes, analyzes & designs new & existing computer programs of highest complexity level, determines project needs & requirements for application development, advises users regarding programming standards & reviews work of lower-level application developers.

Acts as project leader on computer program development assignments; compares program results with user requirements & expected outputs for adequacy & program functions; writes or assists with development or technical documentation; troubleshoots computer related problems & finalizes user specification as part of requirements definition phase.

Provides technical assistance to user group on proper use of equipment & conducts or assists in training of new or modified programs.

MAJOR WORKER CHARACTERISTICS:

Knowledge of computer systems/programming; computer program specifications & coding; client server technologies (e.g., Microsoft SQL, data base design & Visual Basic programming); Microsoft Access; design phase documents; program modules; project leadership skills & management; training methods*. Skill in operation of personal computer & peripheral equipment (e.g., printers, modems). Ability to independently write computer modules & screens within computer programs; design tables, forms & data base structure; delegate project assignments; communicate verbally & in writing technical information technology matters; read technical instructions; collate & classify information about data, people or things; cooperate with others on group projects; move limbs/fingers easily to perform manual functions repeatedly.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of associate degree program or undergraduate program core coursework in computer information science, information technology or business/accounting which must have included at least one course in each of following: computer programming & programming techniques, job control/programming language, management information systems & algebraic algorithms or algebra course providing mathematical concepts for use in computer science; 42 mos. exp. independently writing, analyzing, & designing new & existing computer programs of high complexity level.

-Or 6 mos. exp. as Application Developer 4, 64114AG.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

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

Not applicable.

UNUSUAL WORKING CONDITIONS:

Not applicable.

CLASS TITLE: Application Analyst 2	CLASS NO.: 64116	BARG. UNITS: 047
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EFFECTIVE DATE:
01/01/1980

NEW EFFECTIVE DATE:
07/26/1998

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.)

Independently writes, analyzes & designs new & existing computer programs of highest complexity level, determines project needs & requirements for application development, advises management regarding policy development, programming standards, project requirements & staffing requirements, reviews work of lower-level application developers & participates in interviewing applicants for lower-level computer positions.

Acts as project leader on computer program development assignments; compares program results with user requirements & expected outputs for adequacy & program functions; writes or assists with development of technical documentation; troubleshoots computer related problems & finalizes user specification as part of requirements definition phase.

Provides technical assistance to user group on proper use of equipment & conducts or assists in training of new or modified programs.

MAJOR WORKER CHARACTERISTICS:

Knowledge of computer systems/programming; computer program specifications & coding; policy development*; interviewing procedures*; client server technologies (e.g., Microsoft SQL, data base design & Visual Basic programming); Microsoft Access; design phase documents; program modules; project leadership skills & management; training methods*. Skill in operation of personal computer & peripheral equipment (e.g., printers, modems). Ability to independently write computer modules & screens within computer programs; design tables, forms & data base structure; delegate project assignments; communicate verbally & in writing technical information technology matters; read technical instructions; collate & classify information about data, people or things; cooperate with others on group projects; move limbs/fingers easily to perform manual functions repeatedly.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of associate degree program or undergraduate program core coursework in computer information science, information technology or business/accounting which must have included at least one course in each of following: computer programming & programming techniques, job control/programming language, management information systems & algebraic algorithms or algebra course providing mathematical concepts for use in computer science; 48 mos. exp. independently writing, analyzing, & designing new & existing computer programs of high complexity level.

-Or 6 mos. exp. as Application Analyst 1, 64115AG.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

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

Not applicable.

UNUSUAL WORKING CONDITIONS:

Not applicable.

CLASS TITLE: Application Development Supervisor	CLASS NO.: 64117	BARG. UNITS: 047
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EFFECTIVE DATE:

01/01/1980

NEW EFFECTIVE DATE:

07/26/1998

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.)

Directs & oversees application development program & multiple projects, acts in absence of director &/or assistant director regarding information technology issues, administers long range strategic planning, formulates application development policies & procedures, establishes & implements quality assurance procedures & supervises lower-level information technology personnel.

Evaluates computer hardware & software platforms; determines priority for agency-wide computer projects; plans & prepares section budget & conducts applicant interviews.

Insures quality assurance & overall good project management for lower-level information technology personnel & identifies & facilitates use of computer resources.

MAJOR WORKER CHARACTERISTICS:

Knowledge of computer systems/programming; computer program specifications & coding; supervisory principles/techniques*; policy development; interviewing procedures; strategic planning*; client server technologies (e.g., Microsoft SQL, data base design & Visual Basic programming); Microsoft Access; design phase documents; program modules; project leadership skills & management; training methods*. Skill in operation of personal computer & peripheral equipment (e.g., printers, modems). Ability to independently write computer modules & screens within computer programs; design tables, forms & data base structure; delegate project assignments; communicate verbally & in writing technical information technology matters; read technical instructions; collate & classify information about data, people or things; maintain productive & team work environment as supervisor; move limbs/fingers easily to perform manual functions repeatedly.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of associate degree program or undergraduate program core coursework in computer information science, information technology or business/accounting which must have included at least one course in each of following: computer programming & programming techniques, job control/programming language, management information systems & algebraic algorithms or algebra course providing mathematical concepts for use in computer science; 60 mos. exp. independently writing, analyzing, & designing new & existing computer programs of high complexity level.

-Or 6 mos. exp. as Application Analyst 2, 64116AG.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

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

Not applicable.

UNUSUAL WORKING CONDITIONS:

Not applicable.