



ERIC L. ADAMS
Mayor

DEPARTMENT OF CITYWIDE ADMINISTRATIVE SERVICES
BUREAU OF EXAMINATIONS

LOUIS A. MOLINA
Commissioner

NOTICE OF EXAMINATION

COMPUTER ASSOCIATE (SOFTWARE) Exam No. 5050

(For Agencies Under the Jurisdiction of the Commissioner, DCAS Only)

WHEN TO APPLY: From: September 4, 2024

To: September 24, 2024

APPLICATION FEE: \$85.00

If you choose to pay the application fee with a credit/debit/gift card, you will be charged a service fee of 2.00% of the payment amount. This service fee is nonrefundable.

CANDIDATES WHO DEMONSTRATE THAT THEY ARE A VETERAN, UNEMPLOYED, RECEIVING PUBLIC ASSISTANCE, OR SUPPLEMENTARY SECURITY INCOME, ARE ENTITLED TO A WAIVER OF THE APPLICATION FEE.

YOU ARE RESPONSIBLE FOR READING THIS ENTIRE NOTICE BEFORE YOU SUBMIT YOUR APPLICATION.

WHAT THE JOB INVOLVES:

Computer Associates (Software) under direct supervision, with moderate latitude for independent initiative and judgment, are responsible for the analysis, design, development, implementation, troubleshooting, enhancement, maintenance, and security of database management systems, operating systems, data communication systems, applications, websites, and/or related software functions; may supervise staff performing these functions. All Computer Associates (Software) perform related work.

Special Working Conditions:

Computer Associates (Software) may be required to work various shifts including nights, Saturdays, Sundays, and holidays.

(This is a brief description of what you might do in this position and does not include all the duties of this position.)

THE SALARY:

The current minimum salary is \$74,957 per annum. This rate is subject to change. There are three assignment levels within this class of positions. Appointments will generally be made to Assignment Level I. After appointment, employees may be assigned to the higher assignment levels at the discretion of the agency.

HOW TO QUALIFY:

You are responsible for determining whether or not you meet the education and experience requirements for this examination prior to submitting your application. If you are found "Not Qualified," your application fee will not be refunded and you will not receive a score.

You will **not** receive credit for education which you obtain after January 31, 2025 or experience which you obtain after the end of the Application Period (September 24, 2024).

EDUCATION AND EXPERIENCE REQUIREMENTS:

1. A baccalaureate degree from an accredited college or university including or supplemented by 24 semester credits in computer science or a related computer field **and** one year of satisfactory, full-time computer software experience in computer systems development and analysis, applications programming, database administration, maintenance and support, systems programming, data communications, mainframe development, mobile development, and/or web development and design; **or**
2. A four year high school diploma or its educational equivalent and five years of satisfactory, full-time computer software experience as described in "1" above; **or**
3. Education and/or experience equivalent to "1" or "2" above. College education may be substituted for up to two years of the required experience in "2" above on the basis that 60 semester credits from an accredited college or university is equated to one year of experience. In addition, 24 semester credits

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from an accredited college, university or graduate school in computer science or a related field, or a certificate of at least 625 hours in computer programming from an accredited technical school (post high school), may be substituted for one year of experience. However, all candidates must have at least a four year high school diploma or its educational equivalent and at least one year of satisfactory, full-time experience as described in "1" above; **or**

4. Successful completion of one year of the Civil Service Pathways Fellowship program.

Some examples of acceptable experience include work performed in configuring Commercial off-the-shelf (COTS) applications, systems and security products in the areas of applications programming, applications development and systems programming.

Some examples of unacceptable experience include:

- a. end users of: a computer system, program or software package; productivity software products (e.g., word processing, spreadsheet, presentation, and database software, etc.); preprogrammed software without complex programming, design and implementation.
- b. experience in the areas of: computer technical support, computer operations, data entry/data retrieval, pure quality assurance (QA) auditing and analysis, hardware installation, call center, teaching and/or telecommunications.

The education requirement must be met by January 31, 2025. The experience requirement must be met by the last day of the Application Period (September 24, 2024).

The Civil Service Pathways Fellowship program requirement must be met by the last day of the Application Period (September 24, 2024).

The high school diploma or its educational equivalent must be approved by a State's Department of Education or a recognized accrediting organization. The technical school (post high school) must be approved by a State's Department of Education or a recognized accrediting organization. The college or university must be accredited by regional, national, professional, or specialized agencies recognized as accrediting bodies by the U.S. Secretary of Education and by the Council for Higher Education Accreditation (CHEA).

If you were educated outside the United States, you must have your foreign education evaluated to determine its equivalence to education obtained in the United States. This is required only if you need credit for your foreign education in this examination. For more information see the Foreign Education Evaluation Guide in the Required Information section.

During the Education and Experience Exam (EEE), you may answer questions about your experience. If your experience was on a part-time basis working less than 35 hours per week, you will need to convert your part-time experience to full-time experience using the formula below. Once you have determined your full-time experience equivalent, use this amount to answer questions about your experience.

$(\text{number of hours worked per week}/35) \times (\text{number of months worked})$

For example, if you worked at a job for 21 hours per week for 12 months, you would make the following calculation: $21/35 \times 12 = 7.2$ months.

You have until midnight Eastern time on the last day of the Application Period (September 24, 2024) to clearly specify in detail all of your relevant education and experience and Final Submit your Education and Experience Exam in the Online Application System (OASys). Once you Final Submit your Education and Experience Exam in OASys, you will not be permitted to submit new or additional information on your Education and Experience Exam online.

If you do not Final Submit your Education and Experience Exam in OASys by midnight Eastern time on the last day of the Application Period (September 24, 2024), your examination will be considered incomplete, you will not receive a score, you will not be invited to subsequent portions of this examination (if applicable), and your application fee will not be refunded.

You will not receive credit for education which you obtain after January 31, 2025 or experience which you obtain after the end of the Application Period (September 24, 2024).

Residency: City residency is not required for this position.

English Requirement:

You must be able to understand and be understood in English.

Proof of Identity:

Under the Immigration Reform and Control Act of 1986, you must be able to prove your identity and your right to obtain employment in the United States prior to employment with an agency under the jurisdiction of the Commissioner, Department of Citywide Administrative Services.

HOW TO APPLY:

If you believe you meet the requirements in the "How to Qualify" section, apply using the Online Application System (OASys) at www.nyc.gov/examsforjobs. Follow the onscreen application instructions for electronically submitting your application, payment, and completing any required information. A unique and valid email address is required to apply online. Several internet service providers, including but not limited to Google, Yahoo!, AOL, Outlook.com, and Mail.com offer free email addresses. **All new OASys accounts require verification before a candidate can apply to ensure the accuracy of candidate information. Verification is instantaneous for most accounts and you will receive a confirmation email with instructions to activate your account. For any account creation issues, you will receive onscreen prompts to contact DCAS. This review may require up to two (2) business days to be reviewed and resolved. Please keep this information and the application period deadline in mind when creating your account.**

The following methods of payment are acceptable: major credit card, bank card associated with a bank account, or a prepaid debit card with a credit card logo which you may purchase online or at various retail outlets. If you are receiving or participating in certain forms of public assistance/benefits/programs, or are a

veteran, you may qualify to have the application fee waived. For more information on eligibility for a fee waiver and documentation requirements visit the Fee Waiver FAQ on the Online Application System at: <https://a856-exams.nyc.gov/OASysWeb/faqs>. **Effective January 2020, the Online Application System is no longer supported on Windows 7 or earlier versions of Windows operating systems.**

You may come to the DCAS Computer-based Testing & Application Centers to apply for this examination online.

The centers will be open Monday through Friday from 9:00 AM to 5:00 PM:

Manhattan

2 Lafayette Street
17th Floor
New York, NY 10007

Brooklyn

210 Joralemon Street
4th Floor
Brooklyn, NY 11201

Queens

118-35 Queens Boulevard
5th Floor
Forest Hills, NY 11375

Staten Island

135 Canal Street
3rd Floor
Staten Island, NY 10304

Bronx

1932 Arthur Avenue
2nd Floor
Bronx, NY 10457

You must complete the entire application by midnight, Eastern Time, of the last day of the application period. If you have questions about applying for this examination, you may contact DCAS at OASys@dcas.nyc.gov.

Special Circumstances Guide: This guide is located on the DCAS website at https://www1.nyc.gov/assets/dcas/downloads/pdf/employment/pdf_c_special_circumstances_guide.pdf and available at the DCAS Computer-based Testing & Application Centers. This guide gives important information about claiming Veterans' or Legacy credit, and notifying DCAS of a change in your mailing address. Follow all instructions on the Special Circumstances Guide that pertain to you when you complete your "Application for Examination."

REQUIRED INFORMATION:

1. **Application for Examination:** Follow the online instructions, including those relating to the payment of fee and, if applicable, those found in the Special Circumstances Guide.
2. **Education and Experience Exam:** Fill out all the required sections displayed onscreen (if applicable). You will have until midnight Eastern time on the last day of the Application Period (September 24, 2024) to clearly specify in detail all of your relevant education and experience on your Education and Experience Exam and submit it in the Online Application System (OASys).

If you do not Final Submit your Education and Experience Exam in OASys by midnight Eastern time on the last day of the Application Period (September 24, 2024), your examination will be considered incomplete, you will not receive a score, you will not be invited to subsequent portions of this examination (if applicable), and your application fee will not be refunded.

3. **Foreign Education Evaluation Guide (Required only if you need credit for your foreign education in this examination):** If you were educated outside the United States, you must have your foreign education evaluated to determine its equivalence to education obtained in the United States. The services that are approved to make this evaluation are listed on the Foreign Education Evaluation Guide which is located on the DCAS website at <https://www1.nyc.gov/assets/dcas/downloads/pdf/employment/foreigneducation.pdf>. When you contact the evaluation service, ask for the evaluation as follows:
 - A. If you wish to claim a diploma/degree only and do not wish to claim any semester credits in the subject area(s) described in the How to Qualify section, ask for a **"document-by-document (general)"** evaluation of your foreign education.
 - B. If you wish to claim a diploma/degree and/or semester credits in the subject area(s) described in the How to Qualify section, ask for a **"course-by-course"** evaluation (which includes a "document-by-document" evaluation of your foreign education).
 - C. If you wish to claim a certificate of at least 625 hours in computer programming described in the How to Qualify section, then ask the Evaluation Service to recommend the appropriate type of evaluation and ensure that the evaluation states the number of hours completed.

You must have one of these services submit its evaluation of your foreign education directly to the Department of Citywide Administrative Services no later than eight weeks from the last day of the Application Period (September 24, 2024).

THE TEST:

Your score will be determined by an Education and Experience Exam. You will receive a score of 70 points for meeting the education and experience requirements listed above. After these requirements are met, you will receive additional credit up to a maximum of 100 points on the following basis:

If you have satisfactory full-time experience troubleshooting, triaging, and resolving computer system issues in a fast-paced environment for:

You will receive up to:

At least 1 year but less than 2 years

4 points

At least 2 years but less than 3 years	8 points
At least 3 years but less than 4 years	12 points
At least 4 years but less than 5 years	16 points
5 or more years	20 points

If you have satisfactory full-time experience troubleshooting, triaging, and resolving computer system issues in a non-fast-paced environment for:

You will receive up to:

At least 1 year but less than 2 years	2 points
At least 2 years but less than 3 years	4 points
At least 3 years but less than 4 years	6 points
At least 4 years but less than 5 years	8 points
5 or more years	10 points

A fast-paced work environment is defined as a work environment that operates 24/7 and requires ongoing multi-tasking, where tasks and responsibilities are consistently demanding. This includes, but is not limited to: stock exchange, call center, public safety.

You will receive 10 points if you possess one of the following certifications from the International Institute of Business Analysis (IIBA):

Agile Analysis Certification (IIBA-AAC)

Certified Business Analysis Professional (CBAP)

Certification in Business Data Analytics (IIBA-CBDA)

Certificate in Cybersecurity Analysis (IIBA-CCA)

Certification of Capability in Business Analysis (CCBA)

Certificate in Product Ownership Analysis (CPOA)

Entry Certificate in Business Analysis (ECBA)

During the Education and Experience Exam (EEE), you may answer questions about your experience. If your experience was on a part-time basis working less than 35 hours per week, you will need to convert your part-time experience to full-time experience using the formula below. Once you have determined your full-time experience equivalent, use this amount to answer questions about your experience.

$(\text{number of hours worked per week}/35) \times (\text{number of months worked})$

For example, if you worked at a job for 21 hours per week for 12 months, you would make the following calculation: $21/35 \times 12 = 7.2$ months.

Experience used to meet the minimum requirements cannot be used to gain additional credit.

You have until midnight Eastern time on the last day of the Application Period (September 24, 2024) to clearly specify in detail all of your relevant education and experience and Final Submit your

Education and Experience Exam in the Online Application System (OASys). Once you Final Submit your Education and Experience Exam in OASys, you will not be permitted to submit new or additional information online.

If you do not Final Submit your Education and Experience Exam in OASys by midnight Eastern time on the last day of the Application Period (September 24, 2024), your examination will be considered incomplete, you will not receive a score, you will not be invited to subsequent portions of this examination (if applicable), and your application fee will not be refunded.

Certifications and experience must be obtained by the last day of the Application Period (September 24, 2024).

CHANGE OF MAILING ADDRESS, EMAIL ADDRESS, AND/OR TELEPHONE NUMBER:

It is critical that you promptly notify DCAS of any change to your mailing address, email address and/or phone number. If we do not have your correct mailing address, email address and/or phone number, you will not receive information about your exam(s), consideration for appointment and/or important information that may require a response by a specified deadline. If you need to update your Mailing Address, Email Address, and/or Telephone Number, read below:

- City Employees - update this information in NYCAPS Employee Self-Service (ESS) at www.nyc.gov/ess
- All Others - update this information on your Profile page in the Online Application System (OASys) by logging into your OASys account and navigating to your Dashboard, then your Profile tab at www.nyc.gov/examsforjobs
- Submit a written request by email at OASys@dcas.nyc.gov, by fax (646) 500-7190, or by regular mail: DCAS, 1 Centre Street, 14th Floor, New York, NY 10007. Your written request must include your full name, social security number, exam title(s), exam number(s), previous mailing and/or email address, and your new mailing and/or email address, and/or new telephone number.

CHANGE OF NAME AND/OR SOCIAL SECURITY NUMBER:

Use the Data Correction Form and follow all instructions for changing your name and/or social security number with DCAS. The following link will provide you with the DCAS Data Correction Form: <https://www1.nyc.gov/assets/dcas/downloads/pdf/employment/dp148a.pdf>

THE TEST RESULTS:

If you pass the Education and Experience Exam, your name will be placed in final score order on eligible list, you will be given a list number, and you will be notified by email of your test results. The eligible list determines the order by which candidates will be considered for appointment. If you meet all requirements and conditions, you will be considered for appointment if your name is reached on the eligible list. Once a list has been established, it will typically remain active for four years. To learn more about the civil service system go to: <https://www1.nyc.gov/site/dcas/employment/civil-service-system.page>.

If you believe that your test part was rated incorrectly, you may submit an appeal of your score to DCAS, Committee on Manifest Errors, through the Online Application System (OASys). Your appeal must give specific reasons why your score should be higher. Your appeal may result in a higher or lower rating.

To access the appeal portal of OASys, please log into your OASys account at www.nyc.gov/examsforjobs and use the following steps:

1. Navigate to the Dashboard for the Appeals tab.
2. Click the NEW APPEAL button to create and submit your appeal.
3. Select the exam from the Exam drop-down list, and
4. Select the exam part from the Exam Part drop-down list.
5. Select the reason for your appeal from the Appeal Reason drop-down list (if applicable).
6. Enter the details of your appeal by providing specific reasons why your score should be higher.

ADDITIONAL INFORMATION:

Selective Certification for Certification and/or Special Experience: If you have the certification and/or experience listed in one or more of the areas listed below, you may be considered for appointment to positions requiring a certification and/or experience through a process called Selective Certification. If you qualify for Selective Certification, you may be given preferred consideration for positions requiring this certification and/or experience. If you wish to apply for this Selective Certification, follow the onscreen instructions when completing the Education and Experience Test to indicate your interest in such Selective Certification and Final Submit it in the Online Application System (OASys). Your certification(s) and/or experience will be checked by your agency at the time of appointment.

1. **Agile Scrum Master Experience (ASM):** At least two (2) years of satisfactory, full-time scrum master experience as a servant leader for agile teams implementing packaged or custom built applications, systems, major system components, or integrations between multiple applications or system components; and at least two (2) years of satisfactory, full-time experience implementing Scrum to lead teams using the Agile Scrum software development methodology by conducting daily scrum meetings as the scrum master with complex delivery teams, and at least two (2) years of satisfactory, full-time experience with Application Lifecycle Management (ALM) tools (e.g., Azure DevOps, Jira, and/or Microfocus ALM/Quality Center).

2. **Artificial Intelligence / Machine Learning Engineering (AIL):** At least two (2) years of satisfactory, full-time experience in design, development, implementation, maintenance, and enhancement of machine learning systems. The experience should include, but is not limited to: Large Language Models, Deep Learning, Python, JavaScript, OpenAI, OpenAI API, ChatGPT, Google Bard and AWS Bedrock.

3. **Azure Data Engineering (43T):** A valid Azure Data Engineer certification and at least two (2) years of satisfactory, full-time experience in professional development (including work with Microsoft Azure). Experience must include a combination of implementing data storage solutions, managing and developing data processing, monitoring and optimizing data solutions. Experience must also include designing Azure

data storage solutions, processing solutions, and data security and compliance solutions.

4. **Business Analysis (BNA):** At least two (2) years of satisfactory, full-time experience employing User-Centered Analysis techniques (interviews, direct observations, requirement work sessions, etc.) in a variety of systems development life cycle (SDLC) methodologies, including Agile methodologies (e.g., Scrum, Kanban, Scrumban, etc.), with experience including eliciting business needs and defining requirements packages for IT applications.

5. **Cisco Certified Network Associate Certification (15C):** A valid certification as a Cisco Certified Network Associate (CCNA).

6. **CompTIA A+ Certification with Experience (A+C):** A valid CompTIA A+ certification and at least two (2) year of satisfactory, full-time experience in, but not limited to, defining, building, deploying, or maintaining software solutions applications/systems.

7. **CompTIA PenTest+ (22D):** A valid CompTIA PenTest+ certification from the Computing Technology Industry Association.

8. **CompTIA Security+ Certification with Experience (230):** A valid Computing Technology Industry Association (CompTIA) Security+ certification and two (2) years of satisfactory, full-time experience in assessing the security posture of an enterprise environment and recommending and implementing appropriate security solutions; monitoring and securing hybrid environments, including cloud, mobile and IoT; operating with an awareness of applicable laws and policies, including principles of governance, risk, and compliance; identifying, analyzing and responding to security events and incidents.

9. **CyberSecurity (221):** At least two (2) years of satisfactory, full-time experience in CyberSecurity technology.

10. **Data Engineer (DEX):** At least two (2) years of satisfactory, full-time experience in the design, development, implementation, maintenance and enhancement of application and data pipeline integrations using cloud, database, programming and ETL/ELT technologies. Examples include, but are not limited to OBIEE, Oracle Analytics Cloud (OAC), Looker, Power BI, Informatica PowerCenter, Informatica Intelligent Cloud Services, SSIS, SQL Server, AWS Redshift, AWS Glue, AWS S3, AWS Lambda, Azure Synapse, Azure Data Factory, Azure Logic Apps, Azure Databricks, Azure Storage Accounts, Azure DevOps, Kafka, Spark, Powershell, Bash scripting, Python, Snowflake, Oracle, Postgres, MongoDB and API integrations.

11. **Data Science (DAC):** At least two (2) years of satisfactory, full-time experience in cleaning, analyzing, modeling, predicting, and visualization of data from a variety of sources (SQL and No-SQL databases, files, geospatial formats, open data) using methods such as machine learning, deep learning, reinforcement learning, supervised and unsupervised learning, time-series analysis, genetic algorithms, and/or clustering and dimensionality reduction.

12. **DevOps Engineer (22E):** At least two (2) years of satisfactory, full-time experience in design, development, implementation, maintenance, and enhancement of CI/CD pipelines. The experience should include, but is not limited to: Azure DevOps, Git, GitHub.com, YAML, Jenkins, Java/.NET/Python/JS, Terraform.

13. **Front-End Development (FED):** At least two (2) years of satisfactory, full-time experience in HTML, HTML5, CSS, CSS3, JavaScript, Enterprise Content Management System, Photo/Graphics Editing Software; two (2) years of which must have been experience in CSS Frameworks, JavaScript Frameworks, AJAX, XML, JSON and/or responsive web development.

14. **Help Desk Institute (HDI) Certified (86B):** A valid HDI Support Center certification from Helpdesk Institute (HDI).

15. **Help Desk Institute (HDI) Desktop Advanced Support Technician (86A):** A valid HDI Desktop Advanced Support Center technician certification from Help Desk Institute (HDI).

16. **Incident Command Structure (ICS) Certification (382):** A valid Incident Command Structure (ICS) certification such as FEMA's Professional Development Series certificate or an IS-100.b, IS-200.b, IS-700, or IS-800.b certificate.

17. **Informatica Intelligent Cloud Service (IIC):** At least two (2) years of satisfactory, full-time experience with Informatica Intelligent Cloud Service (IICS) processes with CAI, CDI, Mass Ingestion, and Informatica Secure Agents.

18. **Information Technology Infrastructure Library Foundation Certification (39E):** A valid Information Technology Infrastructure Library (ITIL) Foundation certification from Axelos.

19. **IT Project Management (42B):** At least two (2) years of satisfactory, full-time IT project management experience implementing packaged or custom built applications, systems, major system components, or integrations between multiple applications or system components; including deployment to, or provisioning of, physical, virtual, or cloud-based hosting; and at least two (2) years of satisfactory, full-time experience managing multi-disciplinary teams including Business Analysts, Developers, Server Engineers, Network Engineers, Security Engineers, Quality Assurance Testers, and Support Engineers in a matrixed environment; and at least two (2) years of satisfactory, full-time experience with project management, project portfolio management and IT Service Management tools, such as MS Project, CA Clarity, and BMC Remedy. Acceptable application development projects include enterprise-class technologies such as, but not limited to: HTML5, Java, Spring, .Net, Oracle, SQL server, MQ, Web Services, ETL, and specific product stacks such as Oracle WebLogic, JBOSS, Azure, AWS Elastic Beanstalk, Docker, OBIEE, Informatica, Socrata, Documentum, Law Manager, MS Dynamics CRM, MS SharePoint, and mobile technologies such as IOS and Android development.

20. **Senior Java Developer (SJD):** At least two (2) years of satisfactory, full-time experience in design, development, implementation, maintenance, and enhancement of java applications. The experience should include, but is not limited to: Java, Spring, SpringBoot, Hibernate, Containerization, Docker, Postgres, MySQL, Microsoft SQL Server, Oracle DB, JavaScript, HTML, CSS, CI/CD, Linux.

21. **M.204 Mainframe Developer (MDL):** At least two (2) years of satisfactory, full-time experience in the analysis, design, implementation, maintenance, and enhancement of Model 204 (M204) Mainframe environment. Experience must include working with M204 backup and recovery, installation of M204 software and Early Warnings.

22. **Microsoft 365 Fundamentals Certification/Credential(s) (MFC):** A valid certification based on role of position and specific skill base, showcasing proficiency in Microsoft 365.

23. **Microsoft Azure Certification (ACM):** A valid Microsoft Azure Certification from Microsoft, Inc.

24. **Microsoft Office 365 Administrator (OFF):** A valid Microsoft Office 365 Administrator Certification and two (2) years of satisfactory, full-time experience in evaluating, planning, migrating, deploying, and managing Microsoft 365 services such as email, SharePoint, MS Teams, OneDrive, and associated

Policies.

- 25. Mobile Application Development (475):** At least two (2) years of satisfactory, full-time experience in the design, development, implementation, maintenance and enhancement of mobile application development. The experience must include, but is not limited to Swift Objective-C, Java, Kotlin, Android API, xCode, MAC OS X, Google Maps, and Test-Driven Development (TDD).
- 26. Municipal Information Technology Agency Experience (ITM):** At least two (2) years of satisfactory, full-time experience working for a large Information Technology agency within a municipal government in a similar position, which provides services for a city with over 1 million in population.
- 27. Salesforce Platform Developer II (66Q):** A valid Salesforce Certified Platform Developer II (PDII) certification and at least two (2) years of satisfactory, full-time experience in developing dashboards and other reports with, and testing, implementing and maintaining modifications to applications on the Salesforce platform.
- 28. PMI Project Management Professional Certification (58V):** A valid certification as a Project Management Professional (PMP) from the Project Management Institute (PMI) and at least two (2) years of satisfactory, full-time IT project management experience.
- 29. Product Design (PDE):** At least two (2) years of satisfactory, full-time experience building digital products that fulfill user needs and functional objectives.
- 30. Public Safety IT (599):** At least two (2) years of satisfactory, full-time experience in Public Safety technology.
- 31. Red Hat Certified Systems Administrator (RHCSA) (603):** A valid certification with a minimum of (2) years administrator experience including managing, configuration, and deploying Linux environments.
- 32. RedHat Certified Engineer (605):** At least two (2) years of satisfactory, full-time experience in Red Hat Enterprise Linux (RHEL) environment management; deploying, managing, and troubleshooting enterprise-level environments; system administration, configuration management, automation using Ansible; security and stability of Linux server.
- 33. Redhat OpenShift Certified Engineer (604):** At least two (2) years of satisfactory, full-time experience in environment management; deploying, managing, and optimizing OpenShift Container Platform environments; orchestrating containerized applications, automating deployments and ensuring the scalability, security, and performance of the OpenShift clusters; Kubernetes, containerization, cloud-native applications; Red Hat Enterprise Linux, Ansible, and DevOps.
- 34. Salesforce Administrator (65A):** A valid Salesforce Certified Administrator certification and at least two (2) years of satisfactory, full-time experience in administering applications on the Salesforce platform.
- 35. Database Management Systems Certification (219):** At least two (2) years of satisfactory, full-time experience as a DB2 Database Administrator in an IBM Mainframe z/OS environment (DB2 Installs, SMP/E, DB2 Connect for Windows and Z/Linux, DB2 Utilities, DB2 Version 8+ Db2 Version 11+), which must include in- depth knowledge of TSO/ISPF, JCL, IBM utilities, and COBOL.
- 36. ServiceNow Certified System Administrator (614):** A valid ServiceNow Certified System Administrator Certification and at least two (2) years of satisfactory, full-time experience in designing, developing and customizing ServiceNow applications, providing support to end-users, administrating workflows, implementing new add-ons, and assisting in problem resolution.
- 37. ServiceNow Development (61M):** At least two (2) years of satisfactory, full-time experience in analysis, design, development, implementation, and maintenance of ServiceNow-based applications and environments.
- 38. Software Quality Assurance Testing (66Z):** At least two (2) years of satisfactory, full-time experience in at least one of the following areas: 1) Performing functional testing tasks for applications with browser-based user interfaces and web services (API), ETL, or designed for mobile devices, including but not limited to analyzing business requirements for completeness and testability; designing requirements-based test cases; executing test cases; and registering, reporting and tracking defects using Application Lifecycle Management (ALM) tools (e.g. Azure DevOps, Jira, or ALM/Quality Center) as well as the test management system; handling test data and test results in various locations or formats like files systems, relational databases (using SQL), flat files, JSON, XML, CSV, Excel files; 2) Automating functional test cases for applications with browser-based user interfaces, API-based applications (e.g. SOAP or REST API), or applications designed for mobile devices, using open source test automation tools (e.g., Selenium IDE, Selenium WebDriver, Playwright) in Java, JavaScript, or Python and/or using mobile-based automation tools such as Appium, Android Studio, or Xcode, following test automation methods like recording/parametrization/play back, descriptive programming, or manual coding; AND/OR 3) Conducting performance testing activities such as analyzing application functionality and architecture; script creation; execution, analysis, and reporting of results; troubleshooting application performance issues; and deep diagnostics using LoadRunner and/or Performance Center for applications with a browser-based user interface or API.
- 39. Telecommunication/VOIP (725):** At least two (2) years of satisfactory, full-time experience in managing and overseeing the design, development, installation, configuration, integration, management, support and/or enhancement of Voice-Over-IP System.
- 40. UNIX/LINUX Server Administration (DAX):** At least five (5) years of satisfactory, full-time experience in UNIX/LINUX System administration, including, but not limited to in-depth installation, configuration, administration and tuning of enterprise class servers. Having OpenShift/Kubernetes experience is a plus.
- 41. User Interface/User Experience Design (UIE):** At least two (2) years of full-time experience in User Experience Design, including software interaction design, visual design, front-end coding, and Agile/Waterfall methodologies using communication and visual design software (e.g., Figma, Adobe Creative Cloud, Microsoft Office, Apple productivity applications).
- 42. VM Ware Engineering (744):** A Valid VM Ware Certified Professional and at least two (2) years of satisfactory, full-time experience in Converged Network Architectures, 10 GB, NFS and/or Cisco Nexus (1k, 2k, 5k, 7k or higher).
- 43. Web Design (WDE):** At least two (2) years of satisfactory, full-time experience in web design, photo and graphics editing, user experience design, user interaction design, and information architecture design, one (1) year of which must have been experience in responsive web design, knowledge of and experience in designing to accessibility standards (WCAG level A and AA), HTML5 and CSS3.
- 44. Website Analytics (ALE):** At least two (2) years of satisfactory, full-time experience implementing analytics tags on digital websites and apps and analyzing data from multiple resources to generate actionable insights.

45. Windows Desktop Engineering (790): At least two (2) years of satisfactory, full-time experience in the design, development, implementation, maintenance and enhancement of systems, applications, operating systems and computer imaging in a Microsoft Windows environment including Microsoft Office Suite, Microsoft Operating Systems, Browser-based applications (.NET Framework, Java), Adobe Suite, McAfee, Active Directory, Microsoft Deployment Tool Kit, SCCM and BladeLogic Client Management.

46. Windows Systems Administration (792): At least two (2) years of satisfactory, full-time experience administering Windows servers in a large-scale environment with Windows 2003/2008/2012 Enterprise Server Platform or more recent versions, Active Directory, Microsoft Clustering, and/or Remote Installation Services.

47. Windows Systems Engineering (793): At least two (2) years of satisfactory, full-time experience administering Windows servers in a large-scale environment with Windows 2003/2008/2012 Enterprise Server Platform or more recent versions, Active Directory, Microsoft Clustering, and/or Remote Installation Services.

The above Selective Certification requirements may be met at anytime during the duration of the list. If you meet this requirement at some future date, please submit a request by email to: LMACustomerService@dcas.nyc.gov, or by mail to: DCAS Bureau of Examinations - Exam Development Group, 1 Centre Street, 14th Floor, New York, NY 10007. Please include the examination title and number, your full name, OASys Profile ID number, and the selective certification(s) you are requesting in your correspondence.

Application Receipt:

You will be emailed a receipt immediately after you have applied for the examination. If you do not receive this receipt, check "Junk", "Trash", or "Spam" folders for the primary email linked to your Online Application System (OASys) account. If you are unable to locate the email, you can view a summary of the notification email to you on your OASys Dashboard, then Notifications. If you are still unable to find the email, please email DCAS via the Contact feature available in OASys with a description of the issue and include the exam number and your profile number located on your Profile page. While on your Profile page, check that the email addresses you provided are correct and/or updated.

Promotion Test: A promotion examination for this title is being held for eligible employees. The names appearing on the promotion list will be considered first in filling vacancies.

PENALTY FOR MISREPRESENTATION:

Any intentional misrepresentation on the application or examination may result in disqualification, even after appointment, and may result in criminal prosecution.

The General Examination Regulations of the Department of Citywide Administrative Services (DCAS) apply to this examination and are part of this Notice of Examination. They are posted at nyc.gov/dcas and copies are available at the DCAS Computer-based Testing & Application Centers.

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Internet: nyc.gov/dcas**