



DUTCHESS COUNTY DEPARTMENT OF HUMAN RESOURCES ANNOUNCES AN OPEN COMPETITIVE TRAINING & EXPERIENCE EXAMINATION FOR:

Title: Programmer/Analyst (GIS)  
Number: 19791  
Salary: \$69,219 – Dutchess County  
If used in other agencies salary varies.

Final Application Filing Date: 08/15/2018

Applications postmarked 08/15/2018 will be accepted.

Applications accepted until 4:30 p.m. Monday through Friday.

**Administration of an exam does not imply a vacancy exists.**

**A \$15.00 fee and examination application is required for each separately numbered examination:** Application processing fee is payable by check, money order or credit card. Cash is **NOT** accepted. Check or money order must be made payable to "Commissioner of Finance" with the examination number and title indicated on the check or money order. The fee may be waived for candidates meeting certain criteria. See application for more details regarding fee waiver. **Read the announcement carefully; the application processing fee will NOT be refunded to disapproved applicants.**

**VACANCY:** The eligible list established as a result of this examination will be used, when appropriate, to fill vacancies as they occur in all units under the jurisdiction of the Dutchess County Department of Human Resources.

**MINIMUM QUALIFICATIONS:** Candidates must meet the following requirements on or before August 15, 2018:

Graduation from high school or possession of a high school equivalency diploma AND:

- EITHER: (A) Graduation from a regionally accredited or New York State registered college or university with a Bachelor's degree in Geographical Information Systems (GIS), geography, urban planning, or a closely related field AND one (1) year of paid work experience which primarily involved working in GIS and web-based programming languages;
- OR: (B) Graduation from a regionally accredited or New York State registered college or university with an Associate's degree in GIS, geography, or a closely related field AND three (3) years of work experience as indicated in (A) above;
- OR: (C) An equivalent combination of education and experience between the limits of (A) and (B) above.

**NOTE:** You must provide a legible copy of your college transcript(s) for each college attended. Transcript(s) must show your name; your student identification number; the name of the issuing school; the type of degree received, if any; the date the degree, if any, was conferred; full course names; credit hours; grade earned for each course; and a cumulative Grade Point Average (G.P.A.). Transcripts can be submitted in person, by email to [HRExams@DutchessNY.gov](mailto:HRExams@DutchessNY.gov) or by postal mail to Dutchess County Human Resources, Exams Unit, 22 Market Street, 5<sup>th</sup> Floor, Poughkeepsie, NY 12601.

**NOTE:** Unless otherwise specified, part-time experience will be pro-rated towards meeting the full-time experience requirements.

**SPECIAL REQUIREMENT:** An appointing authority may require the possession of a New York State Driver License at time of appointment.

**DUTIES:** This is a more advanced position in the programmer series with programming tasks and projects of greater scope and difficulty than those assigned to other programmers. The position differs from other Programmer/Analyst positions in that it specializes in applications working with the Geographical Information System (GIS). **EXAMPLES OF WORK (Illustrative Only):** Codes GIS applications using GIS software macro languages, COM compliant development languages such as Visual Basic, and RDBMS software through the use of SQL; makes modifications to existing GIS applications; imports data into GIS database, maintaining established standards for level of accuracy; develops related internet applications; prepares users and computer operating instructions; assists in developing and conducting training programs for GIS related system users; keeps abreast of GIS technology, networking and platform dependent technical issues and applies to work as necessary.

**SUBJECT OF EXAMINATION:**

The examination will consist of two parts: a rated evaluation of training and experience and a qualifying PC-administered test. You must pass the evaluation of training and experience in order to take the qualifying PC-administered test. You must pass both tests in order to be considered for appointment. Only your rating on the evaluation of training and experience will be considered when computing final scores.

Candidates must first complete an examination application and submit it to the Dutchess County Department of Human Resources on or before the last filing date of August 15, 2018. Approved candidates will be mailed a notice containing directions to a website address needed to complete a Training and Experience Questionnaire.

**Rated Evaluation of Training and Experience:**

You will complete a questionnaire that asks for specific information on your information technology education (formal degrees, IT-related training courses, certifications) and experience. You will also be asked to briefly describe a significant achievement in each of the job's areas and to provide the name and contact information for someone who can verify your information. The information you provide about your experience will be rated against the following areas:

- Computer Programming
- User Support
- Business/Systems Analysis
- Web Site Development

**Qualifying Tests:**

**Qualifying Multiple-Choice Test of Logical Reasoning and Interpreting Instructions for Computer-Related Positions**

These questions test for ability to reason logically and interpret instructions in a computer-related context. They cover verbal and quantitative reasoning, flowchart interpretation and applying written directions. The verbal and quantitative reasoning questions include logical implications (e.g., if A and B, then C) and relations (e.g., greater than). Knowledge of addition, subtraction, multiplication and division is necessary, but neither mathematical sophistication nor computational speed is needed. The flowchart interpretation questions require prior knowledge of flowchart conventions. The interpreting instructions questions provide the instructions and specific rules for applying them. All the information needed to answer the questions is presented with the questions.

**Qualifying Simulation Test on Working Effectively with Others to Solve Job-Related Problems**

This test requires candidates to assume the role of a staff member in an Information Technology work group who is working with colleagues during a time of change in policy or procedure, in a particular agency. During the test, candidates will be required to deal with obstacles within the working environment, which includes peer relations and the demands of handling multiple tasks. Candidates will be required to demonstrate the ability to be flexible, creative and persistent as a team player. They will also need to demonstrate the ability to cooperate, show initiative, and establish positive working relationships with peers and administrators.

**Qualifying Simulation Test of User Support and Training**

The test requires candidates to assume the role of a staff member in a Help Desk support unit. Candidates will be presented with a user's problem. During the course of handling the problem, candidates will be required to: demonstrate communication skills, apply troubleshooting practices and tools, determine the appropriate level of training needed by the user, and educate the user on the proper use of computers.

**Waiver Policy for Qualifying Tests:** If a candidate has previously passed an IT Qualifying Test which was prepared by the New York State Department of Civil Service using the same test plan as announced, the qualifying test may be waived. A candidate requesting such a waiver must submit verifiable evidence of having previously passed the IT Qualifying Test, including the name of the Civil Service agency that administered the test and the test date.

**NOTE:** The Dutchess County Department of Human Resources reserves the right to give the qualifying PC administered test to only as many candidates as are needed to fill current vacancies.

DUTCHESS COUNTY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

APPLY ONLINE AT [WWW.DUTCHESSNY.GOV](http://WWW.DUTCHESSNY.GOV)

\*\*\*\*\*IMPORTANT  
No. 2018-00000154

SEE REVERSE

IMPORTANT\*\*\*\*\*  
ISSUED: 08/01/2018

**FOR ADDITIONAL EXAMINATION INFORMATION OR TO APPLY ONLINE VISIT OUR WEBSITE AT**  
**[www.dutchessny.gov](http://www.dutchessny.gov) or [www.co.dutchess.ny.us](http://www.co.dutchess.ny.us)**

When the examination is prepared and rated by the New York State Department of Civil Service in accordance with Section 23.2 of the Civil Service Law, the administration of this examination, including rating and review, is governed by the provisions of the New York State Civil Service Rules and Regulations.

**RETURNED CHECK FEE:** A \$20.00 fee will be required for all returned checks. Failure to submit the returned check fee will disqualify you from the exam in which you participated.

**FINGERPRINTING:** An appointing authority may require a fingerprint supported background investigation before appointment. The candidate may be responsible for paying any associated fees with this service.

**WEATHER:** In case of inclement weather the morning of the examination, please call the Examinations Hotline at 845-486-2167 and select option 3. You may also listen to the following radio stations for possible delays or other updates:

WEOK/WPDH	WKIP/Q92	WBNR/WSPK	WCZX	WGNY	WRWD/WBWZ
1390AM	1450AM	1260AM	97.7FM	1220AM	107.3FM/93.3FM
101.5FM	92.1FM	104.7FM		103.1FM	

**ALTERNATE TEST DATES** may be arranged upon review of documented circumstances in accordance with established policy. Such arrangements must be made prior to the exam except for emergency situations or active military service.

**RELIGIOUS ACCOMMODATION:** – If you cannot take the test on the announced test date (most written exams held on Saturdays) due to a conflict with a religious observance or practice, indicate this on your application. Documentation will be required. You will be granted an alternate test date, usually during the following week.

**SPECIAL ACCOMMODATION:** If you require an accommodation or special assistance in taking an exam, indicate this on your application. Documentation will be required.

**COLLEGE CREDITS AND/OR DEGREE:** Must have been awarded by a regionally accredited college or university or one recognized by the NYS Education Department as following acceptable educational practices. If your college credits and/or degree were awarded by an educational institution outside the United States and its territories, you must provide independent verification of degree and course-by-course (including grades) equivalency. You can contact the Dutchess County Department of Human Resources for a list of acceptable companies who provide this service. You must pay the required evaluation fee. The proof of independent verification of equivalency can be submitted in person, by email to [HRExams@DutchessNY.gov](mailto:HRExams@DutchessNY.gov) or by postal mail to Dutchess County Human Resources, Exams Unit, 22 Market Street, 5<sup>th</sup> Floor, Poughkeepsie, NY 12601.

**VETERANS:** Military personnel who are either in the service at time of examination or who have already been discharged may apply for disabled or non-disabled veterans' credits if they meet established criteria. Candidates who are interested in these additional credits should request an application and information sheet from the Dutchess County Department of Human Resources. Veterans' application forms will also be available on the website and upon request at the examination center. The completed forms and DD-214 must be received in the office as soon as possible after the examination date or before the eligible list for this examination is established.

**CALCULATORS:** Unless otherwise notified, candidates are permitted to use quiet, hand-held, solar or battery powered calculators. Devices with typewriter keyboards, spell checkers, personal digital assistants, address books, language translators, dictionaries or any similar devices are prohibited.

**ADMISSION TO EXAMINATION:** Do not interpret a notice to appear for, or actual participation in the examination to mean that you have been found to meet fully the announced requirements.

Depending on the time available before an examination, *applicants may be admitted to the examination on the basis of statements made on the application or conditionally, without prior review of the application. Such statements may not be reviewed and/or verified until after the examination is held.* At that time, those candidates not meeting the requirements are disqualified. Candidates who are subsequently disqualified after taking the test will NOT be notified of their score.

**If you do not receive a notice three days prior to the date of examination informing you whether or not you are to be admitted to the examination, call the Dutchess County Department of Human Resources immediately at 845-486-2169.**

**CHANGE OF ADDRESS:** Notify this office immediately of any change of address. The appropriate change of address form is available on the website, in the Dutchess County Department of Human Resources, and will be available at the examination center.

**RESIDENCE PREFERENCE:** Pursuant to Section 23.4a of Civil Service Law, preference in appointment from open-competitive lists may be given to candidates who have been residents in a locality or school district in which appointment is to be made for at least 30 days prior to certification of the eligible list. For appointment in some jurisdictions you may be required to become a resident thereof in accordance with law or resolution.

**MULTIPLE EXAMINATIONS:** If you have applied for any other Civil Service examinations for employment with New York State or any other local government jurisdiction, you must make arrangements to take all the examinations at one test site **no later than two weeks before the test date**. Call 845-486-2169 for further information regarding multiple examinations on the same date.

**NOTE:** In conformance with section 85-a of the Civil Service Law, children of firefighters and police officers killed in the line of duty shall be entitled to receive an additional ten points in a competitive examination for original appointment in the same municipality in which his or her parent has served. If you are qualified to participate in this examination and are a child of a firefighter or police officer killed in the line of duty in this municipality, please inform this office of this matter when you submit your application for examination. A candidate claiming such credit has a minimum of two months from the application deadline to provide the necessary documentation to verify additional credit eligibility. However, no credit may be added after the eligible list has been established.

**APPLICATIONS:** May be obtained online at [www.dutchessny.gov](http://www.dutchessny.gov), by sending a legal-sized, self-addressed, stamped envelope or visiting the Dutchess County Department of Human Resources, 22 Market Street, Poughkeepsie, NY 12601 (9 a.m. - 5 p.m., Monday through Friday).

“HOW TO TAKE A WRITTEN TEST” and questions and answers about **MUNICIPAL CIVIL SERVICE EXAMINATIONS** publications are available on and can be fully downloaded from the New York State Department of Civil Service website [www.cs.ny.gov/testing/localtestguides.cfm](http://www.cs.ny.gov/testing/localtestguides.cfm).