



THE CITY OF NEW YORK  
DEPARTMENT OF CITYWIDE  
ADMINISTRATIVE SERVICES  
APPLICATION UNIT  
1 CENTRE STREET, 14<sup>TH</sup> FLOOR  
NEW YORK, NY 10007

**REQUIRED FORMS**

AFFIRMATION FORM

FOREIGN EDUCATION  
FACT SHEET  
(IF APPLICABLE)

MICHAEL R. BLOOMBERG  
Mayor

EDNA WELLS HANDY  
Commissioner

**NOTICE  
OF  
EXAMINATION**

**CHEMICAL ENGINEER  
Exam No. 3013  
AMENDED NOTICE - DECEMBER 5, 2012**

**WHEN TO APPLY:** November 14, 2012 to December 26, 2012

**APPLICATION FEE:** \$63.00 payable by credit card, bank card, or debit card.

The Notice of Examination is amended to extend the end of the filing period from December 4, 2012 to December 26, 2012. The deadline for meeting the education, license and experience requirements to qualify and receive additional credit is unchanged and remains December 4, 2012.

**WHAT THE JOB INVOLVES:** This class of positions encompasses professional chemical engineering work of varying degrees of difficulty and responsibility. There are three Assignment Levels within this class of positions.

**At Assignment Level I:** Chemical Engineers, under general supervision, perform responsible supervisory work, or difficult and responsible work in chemical engineering. They perform the usual duties of a section engineer in charge of a major chemical engineering section, or equivalent; plan, assign and review the work of subordinates, prepare progress reports, and may represent an agency, or department head, or top-level engineering or architectural officer or employee in relations with City departments and agencies, contractors, damage claimants, consultants or their representatives, and the general public; engage in, or supervise the conduct of, complex and important research, investigations, studies or examinations related to the engineering functions or activities of a department or agency; prepare, or supervise the preparation of, or examine and review, plans and proposals for major chemical engineering projects and programs, and prepare designs, plans, contract and working drawings, contract specifications and other technical specifications; supervise the inspection or testing in a laboratory, manufacturer's plant, or on a job site, of equipment or materials to be utilized by the City or incorporated in public works, plants or structures; supervise the inspection of premises in connection with the enforcement of federal, state or local laws, regulations and codes, including fire prevention, relating to the storage, sale, manufacture, use or transportation of combustibles and other hazardous materials, or to the provision and operating condition of required fire safeguards; act as consultant on chemical engineering matters to an agency, department head, or top-level engineering, architectural, or executive officer or employee; when assigned in writing, may sign and seal engineering and other official documents. May operate a motor vehicle. All Chemical Engineers perform related work.

Some of the physical activities performed by Chemical Engineers and environmental conditions experienced are: Walking to and from inspection sites and during the course of inspections; climbing and descending ladders or stairs to get to areas to be inspected; standing on scaffolds to inspect work; standing for an extended period of time; bending and stooping during inspections; working in confined areas; distinguishing colors; wearing hard hat; climbing over and around various objects; walking in areas that may be damp, dark, smoky or acrid; working outdoors in all kinds of weather.

**Special Working Conditions:** Chemical Engineers may be required to work 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 \$57,129 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.

**Special Note:** In addition to the above qualification requirements, to be eligible for placement in Assignment Levels II and III, individuals must have at least one year within the last three years of experience as a major contributor or a project leader on a complex project requiring additional and specific expertise in the disciplines needed to design or construct the project.

**HOW TO APPLY:** If you believe that you meet the requirements in the "How to Qualify" section, you may submit an application on the Online Application System (OASys) at [www.nyc.gov/examsforjobs](http://www.nyc.gov/examsforjobs). Follow the onscreen application instructions for electronically submitting your application and payment, completing any required forms, and completing the online education and experience examination. A valid email address is required to file online. Several internet service providers, including but not limited to Google, Yahoo!, Hotmail, and AOL, offer free email addresses. The following methods of payment are acceptable: major credit card, bank card

**READ CAREFULLY AND SAVE FOR FUTURE REFERENCE**

associated with a bank account, or prepaid debit card which you may purchase online or at various retail outlets. If you cannot apply online for this examination, you must submit a money order payable to DCAS (Exams) at the DCAS Computerized Testing Centers and ensure you fill out the appropriate OLEE application form. The application fee will however be \$68.00 (\$5.00 more than if you applied online).

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

**Manhattan**  
2 Lafayette Street  
17<sup>th</sup> Floor  
New York, NY 10007

**Brooklyn**  
210 Joralemon Street  
4<sup>th</sup> Floor  
Brooklyn, NY 11201

**The Computerized Testing Centers will be closed on Thursday, 11/22 and Tuesday, 12/25.**

You must complete the entire examination 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 by calling 212 669-7208.

**Special Circumstances Form:** This form is included in the application package available at the DCAS Computerized Testing Centers and located on the DCAS website at [http://www.nyc.gov/html/dcas/html/employment/civilservice\\_exams.shtml#examinationforms](http://www.nyc.gov/html/dcas/html/employment/civilservice_exams.shtml#examinationforms). This form 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 form that pertain to you when you complete your "Application for Examination."

**HOW TO QUALIFY:** You are responsible for determining whether or not you meet the qualification requirements for this examination prior to submitting the application. If you are marked "Not Qualified," your application fee will not be refunded and you will not receive a final score.

**Education, Experience, and License Requirements:** By **December 4, 2012** you must have:

A valid New York State Professional Engineer's License. Current New York State registration as a Professional Engineer must be maintained for the duration of your employment; **and either**

1. A masters degree in chemical engineering (**which must be obtained by January 31<sup>st</sup>, 2013**) from an accredited college or university, 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) **and** three (3) years of full-time, satisfactory experience in chemical engineering work; **or**
2. Four (4) years of full-time, satisfactory experience in chemical engineering work.

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.

**You must carefully complete and submit the online application and examination with all relevant license, education, and experience by the end of the filing period.** You will not receive credit for license, education, and experience which you obtain after **December 4, 2012** or an otherwise specified date, nor will you be permitted to submit new or additional information about your license, education, and experience once the filing period has ended.

**In order to receive credit for performing chemical engineering work as described in "1" or "2" above, for each employment you must have performed at least three (3) of the tasks listed in the following Chemical Engineer Task Inventory:**

#### **Chemical Engineer Task Inventory**

- 0100.0000 Performs or supervises staff conducting chemical engineering work. (13 Tasks)**
- 0100.0001 Engages in, or supervises the conduct of research, investigations, studies or examinations related to chemicals, chemical processes or hazardous materials.
- 0100.0002 Prepares, or supervises the preparation of, or examines and reviews plans, proposals, designs, contract and working drawings, contract specifications and other technical specifications, and estimates of quantities for major chemical engineering projects and programs.
- 0100.0003 Participates in, or supervises major inspection operations by observing, checking and certifying the installation of materials or equipment, and by attesting to the performance and the results of tests of materials and equipment in a laboratory, manufacturer's plant or on a job site.
- 0100.0004 Participates in, or supervises the inspection of premises in connection with the enforcement of federal, state, or local laws and regulations relating to the storage, sale, manufacture, use or transportation of combustibles and other hazardous materials, or to the provision and operating condition of required fire safeguards.
- 0100.0005 Participates in, or supervises the operation, construction and maintenance of chemical engineering or manufacturing projects and the preparation of recommendations for alterations or repairs.
- 0100.0006 Develops safety procedures to be employed by workers operating equipment or working in close proximity to on-going chemical reactions.

- 0100.0007 Troubleshoots problems with chemical engineering or manufacturing processes to determine the most effective arrangement of operations, including, but not limited to mixing, crushing, heat transfer, distillation, and drying.
- 0100.0008 Performs tests and monitors performance of processes throughout stages of production to determine degree of control over variables, including, but not limited to temperature, density, specific gravity, and pressure.
- 0100.0009 Designs, evaluates, and supervises the installation of measurement and control systems for chemical plants based on data collected in laboratory experiments and in pilot plant operations.
- 0100.0010 Develops and evaluates processes to separate components of liquids or gases or generate electrical currents using controlled chemical process.
- 0100.0011 Examines and reviews, or supervises the examination and review of plans, drawings, specifications, permits, licenses, applications, and records related to chemical engineering or manufacturing projects to ensure compliance with federal, state, or local regulations, laws and codes.
- 0100.0012 Collaborates with scientists, planners, engineers, and other specialists, and experts in law and business to review, prepare, and amend regulatory codes including fire-fighting and prevention and pollution control or to comment on technical aspects or to address environmental issues.
- 0100.0013 Supervises or participates in the monitoring or inspection of industrial, commercial, manufacturing or municipal facilities or programs to evaluate operational effectiveness or ensure compliance with environmental regulations.

**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 the City of New York.

**REQUIRED FORMS:**

1. **Affirmation Form:** The Affirmation Form, which is found online, must be printed, signed, dated and sent by mail to the address on the form. If DCAS does not receive your completed Affirmation Form, your application will not be considered complete, and your name will not appear on the eligible list for this examination.
2. **Foreign Education Fact Sheet (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 Fact Sheet which is found online. When you contact the evaluation service, ask for a "**document-by-document**" evaluation of your foreign education. 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 date for applying for this examination.

**THE TEST:** Your score will be determined by an experience and license test. You will receive a score of 70 points for meeting the experience and license requirements as listed above. After these requirements are met, you will receive additional credit up to a maximum of 100 points on the following basis:

<b>If you have satisfactory full-time experience performing chemical engineering work, subsequent to receiving a New York State Professional Engineer's License for:</b>	<b>You will receive:</b>
At least 12 months but less than 36 months	5 points
At least 36 months but less than 60 months	15 points
At least 60 months but less than 72 months	25 points
72 months or more	30 points

In order to receive credit for satisfactory experience performing chemical engineering work, for each employment you must have performed **at least three (3)** of the tasks listed in the Chemical Engineer Task Inventory shown in the How to Qualify section above.

You will receive a maximum of one year of experience credit for each year you worked. If you have any of the above experience on a part-time basis, it will be credited according to the equivalent percent of full-time experience. **Experience used to meet the minimum requirements cannot be used to gain additional credit.**

**You must carefully complete and submit the online application and examination with all relevant license, education, and experience by the end of the filing period.** You will not receive credit for license, education, and experience which you obtain after **December 4, 2012** or an otherwise specified date, nor will you be permitted to submit new or additional information about your license, education, and experience once the filing period has ended.

Experience and license must be obtained by **December 4, 2012.**

**THE TEST RESULTS:** Immediately after you have submitted the examination online, you will be informed of the results. If you are found Qualified, you will receive a tentative score. At the time of establishment of the eligible list for this examination, your score will become final, your name will be placed in the final score order on the eligible list, and you will be given a list number. You will be notified by mail of your final test results. If you meet all requirements and conditions, you will be considered for appointment when your name is reached on the eligible list.

**ADDITIONAL INFORMATION:**

**Selective Certification for Driver License:** If you have a motor vehicle Driver License that is valid in the State of New York, you may be considered for appointment to positions requiring this license through a process called Selective Certification. If you wish to apply for this Selective Certification, click on the Selective Certification option and follow the instructions by checking the appropriate selection to indicate your interest in such Selective Certification. Your Driver License will be checked by the appointing agency at the time of appointment. If you are appointed through this Selective Certification, you must maintain your motor vehicle Driver License for the duration of your employment.

This requirement may be met at anytime during the duration of the list. When you have met the requirements, please submit documentation by mail to DCAS Bureau of Examinations - TELEG, 1 Centre Street, 14th Floor, New York, NY 10007. Please include the examination title and number and social security number on your correspondence.

**Application Receipt:** You will be e-mailed a receipt immediately after you have applied for the examination. If you do not receive this receipt, contact this agency at OASys@dcas.nyc.gov. Include your social security number and the examination number and title in your email.

**Promotion Test:** A promotion examination for this title is being held for eligible City 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.

**Special Insert: Guide for Completing the Online Examination**

This online examination consists of the following sections:

Application, including the Notice of Examination and payment of fee  
Education Level  
Employment/Work Experience  
Licenses, Certificates, and/or Registrations  
Selective Certification  
Survey

There are detailed instructions online for each of these sections, so make sure that you read these instructions before you begin to fill out each section. In addition, the **Overview** and **Frequently Asked Questions (FAQs)**, which are accessible throughout the examination process, contain valuable information about the online examination process and civil service procedures governing examinations. This guide is a brief summary of some of the items found in these instructions.

1. You **must** complete the application and examination by midnight, Eastern time, of the last day of the filing period. If you do **not** complete your application, which includes payment of the filing fee, there will be no record that you applied for the examination.
2. You **must** have a valid New York State Professional Engineer's License **and either** a masters degree in chemical engineering (**which must be obtained by January 31<sup>st</sup>, 2013**) from an accredited college or university, 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) **and** three (3) years of full-time, satisfactory experience in chemical engineering work **or** four (4) years of full-time, satisfactory experience in chemical engineering work in order to qualify for this examination. If you do **not** meet any of the qualification requirements, you will be found **Not Qualified** and your application fee will **not** be returned.
3. **Completing the Education Level Section (Required only if you possess a masters degree in chemical engineering from an accredited college or university and you need credit for your degree in this examination):** For each degree you select, you **must** fill out the information requested. If you were educated in a foreign country, you **must** have an evaluation of your education sent directly to DCAS by a DCAS approved foreign education evaluation service no later than eight weeks from the last day of the application period. Your examination will be tentatively scored based on the education level you claim. Your foreign education evaluation will then be reviewed by DCAS examiners. If the evaluation differs from what you claimed, or if you did **not** submit a foreign education evaluation, your examination will be re-scored.
4. **Completing the Employment/Work Experience Section:** For each job you **must** fill out the information requested. A maximum of one year of full-time experience will be credited for each 12-month period. Part-time experience will be pro-rated according to the following ranges:

35 hours per week or more = 100%  
34 hours or less per week will be pro-rated as a percentage of a 35 hour work week.

For each job you **must** select the tasks you performed from the tasks listed in the drop-down menu.

5. **Completing the Licenses, Certificates, and/or Registrations Section:** From the drop-down menu under the Licenses, Certificates, and/or Registrations section, select the appropriate license. On the line labeled Original Date of Issue you must enter the date that your NYSPE license was originally issued, not the date you last renewed your registration nor the expiration date. Only experience gained after the original date of issue of your license will be used to compute additional credit. Since the date of issue of your license predates the renewal date of your registration, you would be potentially lowering your score if you entered the renewal or expiration date of your registration rather than the original date of issue of your license.
6. **Completing the Selective Certification Section:** This section is optional and will **not** affect your score.

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The General Examination Regulations of the Department of Citywide Administrative Services apply to this examination and are part of this Notice of Examination. They are posted and copies are available at [nyc.gov/dcas](http://nyc.gov/dcas) and at the DCAS Computerized Testing Centers.

The City of New York is an Equal Opportunity Employer.  
Title Code No. 20515; Engineering Occupational Group.

For information about other exams, and your exam or list status, call 212-669-1357.  
Internet: [nyc.gov/dcas](http://nyc.gov/dcas)