

# National Contractor/Trades Examination Information Bulletin

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**1-888-ICC-SAFE (422-7233), ext. 5524**

**[www.iccsafe.org/contractor](http://www.iccsafe.org/contractor)**

## **IMPORTANT NOTE**

This bulletin contains National Contractor/Trades exams based on either the 2006 *International Codes* or the 2009 *International Codes*. Please refer to the approved references listed in the content outlines in this bulletin to obtain the correct exam ID for the exam you wish to take.

### **About this bulletin:**

**Please read and understand this bulletin in its entirety prior to registering for an exam. The answers to most questions raised by candidates can be found in this document. This bulletin is a useful reference throughout your registration and examination process.**

**SUMMARY OF BULLETIN CHANGES**

Date of Change	Section Affected	Revision

**You are welcome to use any of the checklists and summaries of information within this bulletin to familiarize yourself with the testing process, but be sure to read this bulletin in its entirety prior to scheduling your examination. You are responsible for following all policies and regulations found in this document, and not reading this bulletin does not relieve your responsibility for following all procedures herein.**

## How do I . . .

- schedule an exam?  
Computer-based testing: visit [www.pearsonvue.com/icc](http://www.pearsonvue.com/icc) or call Pearson VUE at 1-877-234-6082  
Paper-and-pencil testing: visit [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor)
- change my name or address?  
Fax or mail ICC a letter containing your name, old and new addresses, contact phone number, **and signature**; ICC will advise if additional documentation is needed
- request a duplicate pass letter?  
Visit [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor) for a request application
- review an exam I failed?  
See page 9 for more information on the exam feedback and appeals process
- request special testing accommodations?  
Computer-based testing: call Pearson VUE at 1-800-466-0450 and ask for special arrangements  
Paper-and-pencil testing: call ICC at 1-888-422-7233 ext. 5227 to request an application
- make comments about an exam I took?  
See page 9 for more information on the exam feedback and appeals process
- reschedule an exam?  
Computer-based testing: call Pearson VUE at 1-877-234-6082 prior to your scheduled exam—see page 16 for deadlines  
Paper-and-pencil testing: fax or mail a statement to ICC, including a signature, stating you wish to cancel your exam, and are aware of the administrative fee (see page 18 for more information)
- cancel an exam?  
Computer-based testing: call Pearson VUE at 1-877-234-6082 prior to your scheduled exam—see page 16 for deadlines  
Paper-and-pencil testing: fax or mail a statement to ICC, including a signature, stating you wish to cancel your exam, and are aware of the administrative fee (see page 18 for more information)
- find my exam code (ID)?  
See pages 20-36 for the exam outline listings in this bulletin
- know what I can take into the exam?  
See page 11 for the Test Site Regulations section
- obtain the books for my exam?  
Most references can be purchased at [www.iccsafe.org/store](http://www.iccsafe.org/store); more information is found in the exam outline listings starting on page 20
- access information on my passed exams on ICC's website?  
Visit [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor) to access the Official Contractor Exam Pass List link

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### **International Code Council Vision**

Protect the health, safety, and welfare of people  
by creating safe buildings and communities.

### **International Code Council Mission**

To provide the highest quality codes, standards, products, and services  
for all concerned with the safety and performance of the built environment.

**Information contained in this bulletin is deemed accurate as of the time of printing.**

**Contents are subject to change at any time.**

**For the most updated information, visit [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor).**

**Note:** Examination requirements, including registration/scheduling, dates, locations, fees, and references are subject to change. Please make sure that you have the most current information before registering for/scheduling any examination. For up-to-date information on Code Council examinations, go to [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor) or call 1-888-ICC-SAFE (422-7233), ext. 5524.

## ***About Code Council Contractor/Trades Testing***

The International Code Council's Contractor/Trades examination program is an independent testing program designed to provide licensing agencies with information regarding qualified contractors and trades professionals. Participating in the Code Council examination program does not guarantee that a licensing agency will award you a license. However, the Code Council examination program serves as an independent appraisal of your competency in the construction field, and your test results may be used by licensing agencies to satisfy the requirements for testing.

Examination information, including registration/scheduling requirements, dates, locations, fees, and references, are subject to change. **Candidates should make sure they have the most current information before registering for/scheduling a Code Council examination by going to [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor).**

## ***General Testing Information***

The purpose of this bulletin is to provide you with information regarding how to schedule and take your contractor/trades examination. Prior to scheduling a test with this program, you should first consult with your local or state licensing agency to determine which examination you should take. Some agencies may also require you to meet certain prequalification criteria prior to testing. You should therefore start your testing process by determining what test your local agency requires of you.

This bulletin is designed to follow the testing process from the initial application for testing up until the time when testing results are provided.

# Administrative Rules and Procedures



## FAQ

### How can I become licensed?

The International Code Council is not a licensing agency. If you want to become licensed in a city, county, or state that participates with the Code Council, that jurisdiction will require you to take and pass a Code Council examination. Upon successful completion of the examination, contact the jurisdiction for any other requirements in order to become licensed.

For detailed information on Contractor/Trades examinations and participating jurisdictions, visit our website at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor).

### How do I schedule a test?

It is your responsibility to read the Examination Information Bulletin for important information on examination requirements, procedures, and references allowed during the examination administration.

For paper-and-pencil testing, you may obtain a paper application at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor) or by calling the Code Council at 1-888-422-7233 ext. 5524. Some examinations are also available for online registration at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor).

For computer-based testing through Pearson VUE, the Code Council's computer-based testing vendor, you may schedule an examination online at [www.pearsonvue.com/icc](http://www.pearsonvue.com/icc). Follow the directions under "Contractor/Trade Licensing." You may also schedule an examination over the phone by contacting Pearson VUE at 1-877-234-6082, following the scheduling procedures listed in this bulletin.

Pre-payment is required to schedule an examination through any of the above methods.

### When can I test?

Computer-testing is administered by Pearson VUE frequently at over 250 sites across the nation. Pearson VUE test dates and sites can be found on their website at [www.pearsonvue.com/icc](http://www.pearsonvue.com/icc).

Paper-and-pencil examinations are administered on specific dates at specific locations. Administration dates and locations may be found on the paper application at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor).

### How often can I test?

You must wait 10 days before retaking a failed exam. It is strongly recommended that you allow time to study the approved references before registering to test a second time.

### **What examination do I need to take?**

As requirements for employment differ from jurisdiction to jurisdiction, the Code Council cannot recommend specific examinations to you. We strongly encourage you to contact the jurisdiction in which you wish to work for more information on their specific exam requirements for licensure.

### **How do I know if pre-approval is required for me to test?**

Contact the licensing agency or review the appropriate National Contractor/Trades Examination Information Bulletin on the Code Council's website at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor).

### **What references or code books are the exams based on?**

The approved references for each exam are listed in the Examination Outlines section of this bulletin. For the most up-to-date bulletin information, visit our website at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor). You can also contact the Code Council at 1-888-422-7233 ext. 5524 to request a bulletin.

### **Are the examinations open book?**

Most Contractor/Trades exams are open book. Refer to the Examination Outlines section of this bulletin for open/closed book requirements for specific exams. For the most up-to-date bulletin, visit [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor). Additional policies governing the use of references can be found in the Test Site Regulations section of this bulletin.

### **When will I receive my results?**

Electronic exams:

Results for examinations taken electronically are available immediately after completion of the examination.

Paper-and-pencil exams:

Results for examinations taken by paper-and-pencil are mailed within three to four weeks of the exam date. Pass results also will be posted to the Code Council website in approximately the same time frame.

### **I didn't receive my pass letter. Can I have another mailed to me?**

Yes, but the pass letter must be requested within 90 days from the date of the passed examination to have another mailed without a fee. If a resend of a pass letter is requested after 90 days from the exam, a fee will be charged. For fees, go visit [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor).

### **What type of question format will be included in the examination?**

Test questions are in four-option, multiple-choice format, with one answer on each question scored as correct. Due to the rigorous psychometric processes used by the Code Council in exam development, questions do not follow patterns (e.g., "the most common answer is 'B'").

### **Can't I just look up all of the answers in the books?**

Because of the time constraints, you will not have time to look up all of the answers. For those answers you must look up, you must be VERY familiar with the references to avoid wasting time searching for information. First impressions are often the most accurate, but you may change your answers if time allows.

### **How long are the examinations?**

The length and allowed time varies depending upon the subject matter. To get the most updated information on examinations, go to [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor).

### **How many examinations can I take at one administration?**

For computer-based exams, in most cases you may take two exams in one day, as long as each examination is only two hours in length. For paper-and-pencil exams, you may schedule two exams at one administration, but multiple exams must be scheduled for different starting times (i.e., 8:00 and 10:30).

### **Should I guess if I don't know the answer to a question?**

There is no guessing penalty, so it is to your advantage to answer every question. Remember to base your answers on the listed references for each exam, not solely on long-time field practices.

### **What score do I need to pass the test?**

Most Contractor/Trades examinations require a candidate to answer at least 70 percent of their questions correctly in order to pass the exam. The Master Electrician examination requires 75 percent of the questions to be answered correctly to pass. Particular licensing agencies may require a passing score of higher than 70. It is important that you carefully read the relevant bulletin or contact the licensing agency for information regarding their minimum passing requirement.

### **How might exam scores be cancelled?**

On rare occasions, circumstances may render examination scores invalid. The Code Council reserves the right to cancel or withhold any examination scores if, in its sole opinion, there is adequate reason to question their validity. Reasons are:

1. Doubts may be raised about the validity of examinees' scores because of suspected misconduct, including but not limited to, giving or receiving help; using unauthorized notes, books, or papers; removing examination materials or notes from the examination room; or attempting to take an examination for someone else. In such circumstances, examinees will be expected to cooperate in an investigation of their scores. Such examinees will be notified of procedures developed by the Code Council to ensure fairness.



2. Some scores may be rendered invalid because of circumstances beyond the examinee's control, such as faulty examination materials or mistiming. These situations will be investigated; when such occurrences result in cancellation of an examinee's scores, the Code Council will arrange for a makeup examination for the examinees concerned.
3. The Code Council has implemented procedures to minimize the potential of negative conditions at the examination site such as bad lighting, excessive noise, or uncomfortable temperature conditions. In unlikely cases where such conditions may occur, the required passing score is not modified or changed. If a candidate finds unfavorable conditions at the examination site, we recommend the candidate immediately notify the proctor.

## ***Feedback and Appeals Process***

To have Code Council Certification and Testing staff review comments or challenges on specific exams, exam items, or any issues encountered during your examination, you must submit a Comment/Challenge form to the Code Council. The form is available by request to the proctor following completion of your exam or on the Code Council website at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor).

Our experience shows that the best comments are those that come as soon after the testing process as possible. Include sufficient amount of detail to aid staff in the review of your challenged question(s) or issues related to the exam experience. Following receipt of your challenge, Certification and Testing staff will investigate each comment for merit and final determination of approval or denial of your challenge.

You will be mailed a response from Code Council staff within 15 business days from receipt of the form by the Code Council; a request for staff review is based solely upon the most recent examination taken.



**IMPORTANT NOTE:** If you retake a failed exam on which you have submitted an appeal, you will forfeit your appeal opportunity for that exam attempt.

Comment/Challenge forms must be mailed or faxed to the following address or fax number:

International Code Council  
ATTN: Candidate Services Coordinator  
900 Montclair Road  
Birmingham, AL 35213  
Fax: 205-599-9884

## ***Review Session***

Reviews are designed to review missed questions and your original, incorrect answers on the most recently taken exam. It is **not** an opportunity to change answers on an examination or retake the exam.

During the Review, you may challenge questions you feel contain errors, or to defend your original answer. Review sessions are limited to one half of the original examination time. You may bring in any of the references listed in this bulletin as approved references for the examination you are challenging.

Challenges completed during a review session will be returned to Certification and Testing for analysis, and you will be provided a response to any items on which you complete a challenge form during your review session.

To be eligible for a review, you must have scored within **10 points** of the minimum passing score. Reviews must be scheduled no more than **ninety (90)** days following your most recent testing session.

The cost of the review is \$50 for each test reviewed. To review an exam taken via computer, you will schedule directly with Pearson VUE. To review an exam taken via paper-pencil, you will need to fill out the Review Session request form at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor) and submit to the Code Council.

## ***Hand Score***

You may request a hand score of your examination to verify the accuracy of your reported score. Please be aware that the Code Council and Pearson VUE follow very careful procedures to ensure the accuracy prior to issuance of score reports.

The cost of a hand score is \$25. You must complete the Hand Score Request form (at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor)) and submit this form with a copy of your score report to the Code Council. Hand score requests must be submitted to the Code Council within 90 days from your exam date.

You will be mailed the results of the hand score within 15 business days from receipt of your request.

Please know that it is very rare that a score will be changed based on a hand score, as the automated scoring systems are very accurate; a request for hand score is based solely upon the most recent examination taken.

# Test Site Regulations

To ensure the security of examination materials, reliable test results, and public confidence in the integrity of certified professionals, the rules and procedures below are strictly enforced at all Code Council examinations.

## What should I bring to the test site?

For electronic examinations, examinees must provide their testing confirmation number (that was provided by the Pearson VUE representative at the time of exam registration) at the testing site on the exam day in order to be admitted to take the exam.

For paper-and-pencil or electronic examinations, examinees must possess and present a valid (unexpired) photo ID with signature, issued by a state or federal regulatory agency, e.g., a driver's license, passport, etc.

For electronic examinations, **the name on the exam reservation must match the name on the ID provided. If it does not, you will not be allowed to test, and will forfeit your exam fee. Neither the Code Council nor Pearson VUE can make an exception to this policy.** If you are unable to present identification as required by the Code Council and Pearson VUE, or have questions about what will be allowed, you must call Pearson VUE prior to your scheduled exam to make other arrangements.

Examinees may bring the following items to the examination:

1. Three No. 2 pencils (sharpened) [PAPER-AND-PENCIL TESTING ONLY]
2. Reference(s) as listed in this Examination Information Bulletin for the applicable exam—**no other reference material will be allowed into the testing center:**
  - Bound (original bound book, three-ring binder, or stapled)
  - Notes written in ink or highlighted in code sections (not in blank pages)
  - Permanently attached tabs (tabs that can't be removed without destroying the page)
  - Pencil notes in your references that are highlighted prior to arrival at the test center
  - **Photocopies of copyrighted materials are not allowed**
3. Eraser [PAPER-AND-PENCIL TESTING ONLY]
4. Magnifying glass
5. Eyeglasses, if necessary
6. Architects' scale or rule
7. Watch **without** alarm/camera [PAPER-AND-PENCIL TESTING ONLY]
8. Battery-operated calculator:
  - Nonprogrammable
  - Not capable of storing examination information
  - No ribbon or paper printing capabilities
9. Foreign language/English translation dictionaries, if needed

## What should I leave home?

1. Any kind of ink (ballpoint, felt-tip, gel, etc.) pens, colored pencils, highlighters, writing paper, or briefcases
2. Personal items such as purses, wallets, or watches—lockers are available at Pearson VUE for

- small items, but will not accommodate laptops, briefcases, or large purses or bags
3. Calculators with print capability and/or that store formulas
  4. Copying, recording, or photo devices
  5. Cell phones, beepers, radios, MP3 players, and/or PDAs

### What are proctors, and what do they do?

The proctors are responsible for administering the examination and ensuring security of the exam materials at the test site. Proctors are well-trained and will treat candidates with respect, and in turn, will expect the same level of respect from candidates. Threatening a proctor or interfering with the administration of an examination at *any* time may be considered a criminal offense and punishable by law. Proctors cannot discuss contents of the exam or reference materials with a candidate.

Proctors have the right to remove a candidate's test and require the individual to leave the building if the candidate:

1. Gives or receives help during the examination;
2. Attempts to remove exam materials or notes from the room;
3. Creates a disturbance;
4. Copies or attempts to copy examination questions or answers; or
5. Is found to have prohibited materials (cell phone, recorder, etc.) during the exam.

If a candidate is dismissed from an examination for an infraction of the policies presented in this booklet, the candidate will not be entitled to a refund, may jeopardize his or her right to take a Code Council examination in the future, and may face possible prosecution.

### What does ICC expect of me?

Examinees are responsible for arriving at the exam site on the proper date, at the proper time, and with proper identification. You should determine in advance the exact location of the test site, how to get there, and how much time it will take you to get to the site. Examinations will be given only on the date and time scheduled.

Examinees are responsible for arriving at the test site with required reference(s), if desired, for use during the exam. Required examination references are listed with the individual examination outlines found in this bulletin. References for examinations are not supplied by the Code Council or the testing center.

**Examinees must know, understand, and adhere to all of the regulations governing Code Council examinations as listed in this bulletin.**

Examinees should arrive at the exam site at least 30 minutes before the examination is scheduled to begin. Remember, it is your responsibility to already be familiar with the regulations governing Code Council examinations.

## What can I expect at the test site?

The Code Council proctor will check your identification, have you sign in, and may assign you a seat. The examination proctor will explain the procedures for taking the examination; answer questions related to taking the exam and provide notification to begin the examination.

### Before the Exam

Metal detectors may be randomly used to search examinees entering and/or leaving the exam room. You will be asked to empty all of your pockets and place personal items in a locker. Proctors may inspect all materials an examinee carries into and from the exam room. If your reference materials do not meet test site regulations (relating to tabs, pencil notes, etc.), **you will not be allowed to take these references into the exam room.** You will still be allowed to test, but without these materials.

The Code Council randomly videotapes examination sessions.

You are not allowed to write or mark in or on your reference books during the examination.

While the examination is being administered, you are not allowed to leave the building and return to the exam room. If you wish to leave the exam room for any reason, you must receive permission from the proctor and turn in all of your examination materials and references to the proctor. Only one examinee at a time is allowed outside the exam room, and you are not allowed additional test time for time spent outside the exam room.

### During the Exam

You are not allowed to communicate, verbally or nonverbally, with other candidates during the examination, and you may not share references.

It is **highly recommended** that if you are taking a computer-based exam, especially for the first time, you complete the tutorial available to you at the beginning of your exam. The time spent on the tutorial does not count against your exam time. You will receive important information about how to keep track of your time remaining, how to mark items for review, where to find the number of the question you are on, and more.

For electronically administered examinations, there is an optional clock on the computer that counts down to display the time remaining. (Information on turning on the clock is available in the tutorial prior to the exam.) When the time limit is up for the examination, the computer will end the test.

### After the Exam

If you pass your examination, you cannot retake the examination you passed. If you do not pass your examination and wish to comment on your experience, please see the section of this bulletin titled "Feedback and Appeals Process."

# Computer-based Testing

## How do I register for a computer-based exam?

Some licensing agencies may require you to apply through them prior to testing with ICC, while others may not. You should check with the licensing agency for licensing requirements prior to registering for an examination.

Computer-based certification examinations are administered for the Code Council by Pearson VUE (formerly Promissor), a professional test administration company. **To register to take a Code Council computer-based Contractor/Trades exam, call Pearson VUE at 1-877-234-6082, or visit Pearson VUE's website at [www.pearsonvue.com/icc](http://www.pearsonvue.com/icc). You must provide the EXAM ID and EXAM TITLE, whether registering online or by telephone.**

Online reservations are available 24 hours a day, 7 days a week. The Code Council encourages candidates to register online, for your convenience. You must provide an email address to schedule an exam online, and Pearson VUE will email you a confirmation letter containing the date and time of your exam, along with test day instructions. **It is your responsibility to check this confirmation letter to ensure the exam listed is the one you wish to take.**

Pearson VUE's customer care reservations and customer service lines are open Monday through Friday from 8:00 a.m. to 11:00 p.m. (Eastern Time), Saturday from 8:00 a.m. to 5:00 p.m., and Sunday from 10:00 a.m. to 4:00 p.m. When you call to make your examination reservation, a representative will help you select the optimal test date and location for your schedule, provide instructions and directions, and give your examination reporting time. Walk-in testing is not available.

You may make an exam reservation up to one business day prior to your desired exam date, depending on space availability at the test center.

**You must have the following information available at the time you are registering for a Code Council computer-based examination:**

1. Exam ID and title. Exam IDs and titles can be found in this bulletin
2. Your full name, address, and home and work telephone numbers
3. Jurisdiction/state in which you wish to be licensed
4. Selected examination date and location of the area you desire to take the exam
5. Your credit card or payment information

## Where are the test sites?

To locate test sites in your area, visit the Pearson VUE website at [www.pearsonvue.com/icc](http://www.pearsonvue.com/icc) for an updated listing of sites. Be aware that test sites are subject to change.

### How do I pay for my exam?

Examination fees must be paid by credit card, debit card (issued through VISA or MasterCard) or electronic check at the time a reservation is made, NOT at the test center. Candidates who do not have or do not wish to use a credit card, debit card, or personal checking account may choose to prepay their examination fees by filling out and sending in a voucher request form to Pearson VUE (visit [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor) for the Pearson VUE Voucher Request Form). Pearson VUE will process mailed requests within ten business days, and will notify candidates by mail when processing is complete. Candidates may then make a reservation.

### Do I have to be a computer whiz?

Examinations are administered on a personal computer (PC). Candidates are not required to have any computer knowledge to take the examination on the PC. Before you begin your test, you may take up to 15 minutes to practice with the sample questions. Timing of the examination does not begin until you look at the first question of the actual examination. You will be allowed to change your answers, mark answers for review, go back to skipped questions and, time permitting, review your test.

### When are exams available?

Code Council certification examinations are administered nationally, Tuesday through Saturday (exceptions noted below). Testing sessions are generally held at 8:00 a.m. and 1:00 p.m. Some test centers are open daily, while others are open on specific days of the week. In some locations, exams are administered on a monthly basis. Pearson VUE offices are closed in observance of the following holidays in 2011:

- New Year's Day
- Martin Luther King, Jr. Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving (including Friday following holiday)
- Christmas (including day after Christmas)

### What if the weather's bad?

Test administrations will be delayed or canceled only in emergencies. If severe weather or a natural disaster makes the test center inaccessible or unsafe, the test administration may be canceled. Call Pearson VUE at 1-800-274-2615 to check weather or other emergency delays.

### How do I cancel or reschedule my test?

To change or cancel your reservation without monetary penalty, you must notify Pearson VUE two business days before your scheduled examination. When this is done, the fee from your first appointment will be applied to your new test date. If you call Pearson VUE less than two business days before your scheduled examination, you will be charged the full examination fee. The fee from your first appointment will be owed in addition to the fee for the new test date.

### What if I can't make it to my test?

There are no refunds for examinations not taken. All candidates seeking excused absences must submit written verification and supporting documentation of the situation to Pearson VUE within 14 days of the original examination date. Illness excuses must be written by the attending physician. Inclement weather is not acceptable as an excused absence. If, on the day you are scheduled to test, you are unable to attend the examination for which you were scheduled, you may be excused without monetary penalty for the following reasons:

1. Documented illness, either yourself or immediate family member;
2. Death in the immediate family;
3. Disabling traffic accident;
4. Court appearance or jury duty; or
5. Military duty.

Written verification and supporting documentation for excused absences must be submitted to the Pearson VUE Program Coordinator via fax or mail within fourteen (14) days of the original examination date.

Pearson VUE  
c/o Candidate Services  
P.O. Box 8588  
Philadelphia, PA 19101  
Fax: 888-204-6291

If you are absent from an examination that you were scheduled to attend, and you did not reschedule or cancel according to the policy, you will owe Pearson VUE the full examination fee for that missed examination.

### When do I get my test results?

After completing the test, candidates will raise their hands and the assessment center manager will retrieve the unit for immediate scoring. Failing candidates will be provided with diagnostic information on their performance on major content areas of each examination taken. This information is not used to determine whether a candidate passes or fails; it is for self-evaluation only. Candidates who pass will be notified with the word "PASS." No numerical score is provided to passing candidates. Your score report will include an ICC ID number which participating jurisdictions can use to verify your passing status on the ICC website.



## What if I have special needs?

Pearson VUE certifies that it shall comply with the provisions of the Americans with Disabilities Act (ADA). If you need special arrangements for testing, please call 1-800-466-0450 to request special testing services. This telephone number is available for reservations Monday through Friday, 7:00 a.m. to 6:00 p.m. CST. All examination sites have access for candidates with disabilities.

Pearson VUE will provide auxiliary aids and services, except where it may fundamentally alter the examination or results. It is recommended that you submit a written request for special test arrangements and services approximately two to three weeks in advance of your desired test date. In addition, candidates should indicate when registering for re-examination that special arrangements were made or services used for the prior test administration, and that these services will be needed again for the upcoming test date. Supporting documentation can be faxed to 610-617-9397.

Pearson VUE is equipped with TDD (Telecommunications Devices for the Deaf) to assist deaf and hearing-impaired candidates. TDD calling is available during standard business hours through a special Pearson VUE toll-free number, 1-800-274-2617. This phone number is for express use by candidates with compatible TDD equipment.

Pearson VUE will determine the time and place of specially arranged examinations and confirm these arrangements with the candidate directly. In some cases, there may be an additional fee for special arrangements.

In the event that an examination is offered only on Saturdays, candidates who cannot take the examination for religious reasons may request a non-Saturday test administration. Such a request must be put in writing on official stationery by your religious advisor and sent via fax machine, or mailed to Pearson VUE. Non-Saturday testing for this circumstance is done only on a prearranged basis.

## Paper-and-Pencil Testing

### How do I register for a paper-and-pencil exam?

A registration application is required to be completed and forwarded to the Code Council with prepayment. The application can be found on our website at [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor); some exams are available for online registration at this site as well. Click on the link “Exam Information and Registration,” choose the state, choose the category, and click on the “ICC” link next to the name of the exam you wish to take. If there is no “ICC” link located next to the exam name, online registration is not available for that exam.

Approximately 2 weeks prior to the examination date, the Code Council will send a confirmation letter stating the examination(s) for which the candidate is registered, examination date, reporting time(s), and examination center address. **It is your responsibility to check this confirmation letter to ensure the exam listed is the one you wish to take.**

If you do not receive a confirmation letter within one week prior to the exam date, you must contact the Code Council at 1-888-422-7233 ext 5524. **As sites are subject to change, please confirm the address of your test site prior to arriving on test day.**

### What if I need to cancel or transfer my exam?

A candidate will be refunded 100 percent of the written examination registration fee when cancellation is made at least 14 days prior to the scheduled examination date. If cancellation is made fewer than 14 days before the scheduled examination date, your examination fee, less a \$15 penalty, will be refunded.

Cancellations must be in writing (via fax or U.S. mail) with the candidate's signature. The exam date, type, and location must be listed on the cancellation request.

You also have the option to transfer your paid registration to the next scheduled examination administration date, if your request is made at least 14 days prior to the scheduled examination date. If the transfer request is made fewer than 14 days before the scheduled examination date, you will be required to pay a \$15 transfer fee.

Transfers must be requested in writing, via fax or U.S. mail, and contain your signature. The currently scheduled exam date, type, and location, as well as the exam date, type, and location you wish to transfer to must be listed on the transfer request. The \$15 transfer fee must accompany your written request.

If you do not appear on your scheduled examination date, no refund is made, and the option to transfer registration to the next scheduled examination administration will require written request within 7 days of the examination date. The following reasons will be accepted:

1. Documented illness, either yourself or immediate family member;
2. Death in the immediate family;
3. Disabling traffic accident;
4. Court appearance or jury duty; or
5. Military duty.

#### **What if I have special needs?**

If you have a disability that prohibits you from taking the examination under standard conditions, you may request special arrangements. Your request must accompany your registration form. In addition to the letter of request, a special accommodations form must be submitted. This form may be obtained by contacting the Candidate Services Coordinator at 1-888-422-7233 ext 5527. Please contact the department for instructions concerning the required information before you submit your application. Completed accommodations forms must be submitted and approved by the examination department a minimum of three months prior to the requested examination administration date.

#### **What can I expect during the exam?**

Each candidate will be given a packet containing an examination booklet, plans (if appropriate), an answer sheet, and a sheet for calculations. You will not need additional scratch paper. All of this material must be enclosed in the return envelope along with the original envelope and confirmed by the proctor.

Any comments pertinent to the examination or site should be recorded by you on a comment sheet available from the proctor, and mailed to the Code Council. Under no circumstances are examination materials to be taken from the room.

#### **When do I get my exam results?**

All examinees are notified by mail of their examination results from three to four weeks after the examination date. Candidate results are not available by telephone.

When you receive your paper-and-pencil testing results, they will include a Code Council ID number which participating jurisdictions may use to verify your passing status on the Code Council website.

# National Contractor/Trades Examinations

## Based on the 2005 NEC and 2006 International Codes

Please visit [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor) for the most up-to-date information. Outlines are subject to change.  
Exam fees are listed for paper-and-pencil (P&P) method, if available, and computer-based testing (CBT).

**614 National Standard General Building Contractor (A)** 90 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—4-hour time limit

Content Area	% of Total	Reference
Footings and Foundations	18%	2006 <i>International Building Code</i> ®
Structural and Design	46%	
Nonstructural Elements	18%	
Plan Reading	11%	
Administration	7%	
<b>Total</b>	<b>100%</b>	

**615 National Standard Building Contractor (B)** 80 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—4-hour time limit

Content Area	% of Total	Reference
Footings, Foundations, and Crawlspace	15%	2006 <i>International Building Code</i> ®
Building Planning	18%	
Floors	15%	2006 <i>International Residential Code</i> ®
Walls	18%	
Roofs	15%	
Plan Reading	13%	
Administration	8%	
<b>Total</b>	<b>100%</b>	

**616 National Standard Residential Building Contractor (C)** 80 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—4-hour time limit

Content Area	% of Total	Reference
Footings, Foundations, and Crawlspace	11%	2006 <i>International Residential Code</i> ®
Building Planning	15%	
Masonry	8%	
Floors	13%	
Walls	14%	
Roofs	10%	
Fireplaces	8%	
Plan Reading	13%	
Administration	10%	
<b>Total</b>	<b>100%</b>	

**764 National Standard Roofing Contractor/Subcontractor**

60 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
Administration	10%	2006 <i>International Building Code</i> ®
General Requirements	15%	2006 <i>International Plumbing Code</i> ®
Fire Classification	10%	
Materials	5%	
Installation of Roof Coverings	35%	
Roof Drainage	10%	
Rooftop Structures	15%	
<b>Total</b>	<b>100%</b>	

**358 National Standard Shingle Roofing**

40 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—2-hour time limit

Content Area	% of Total	Reference
Shingle Roofing	100%	2006 <i>International Residential Code</i> ®
<b>Total</b>	<b>100%</b>	

**701 National Standard Master Electrician**

100 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—5-hour time limit

Content Area	% of Total	Reference
General Knowledge	19%	2005 <i>National Electrical Code</i>
Services and Service Equipment	16%	
Feeders	4%	
Branch Circuits and Conductors	14%	
Wiring Methods and Materials	5%	
Equipment and Devices	10%	
Control Devices	7%	
Motors and Generators	10%	
Special Occupancies, Equipment, and Conditions	5%	
Plan Reading and Analysis	10%	
<b>Total</b>	<b>100%</b>	

**703 National Standard Journeyman Electrician**

80 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—4-hour time limit

Content Area	% of Total	Reference
General Knowledge	19%	2005 <i>National Electrical Code</i>
Services and Service Equipment	24%	
Feeders	5%	
Branch Circuits and Conductors	20%	
Wiring Methods and Materials	4%	
Equipment and Devices	8%	
Control Devices	8%	
Motors and Generators	11%	
Special Occupancies, Equipment, and Conditions	5%	
<b>Total</b>	<b>100%</b>	

**824 National Standard Residential Electrician**

80 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—4-hour time limit

Content Area	% of Total	Reference
Electrical Layout and Plan Reading	11%	2005 <i>National Electrical Code</i>
Branch Circuit and Wiring	10%	
Appliance and Motor Circuits	3%	
Installation	3%	
Panel Wiring	3%	
Trimout and Wiring	3%	
Administrative	1%	
Grounding and Bonding	3%	
Electrical Layout	6%	
Branch Circuits B Rough-in	9%	
Branch Circuits and Appliances	10%	
Services	9%	
Grounding	10%	
Panel Wiring and Overcurrent Protection	10%	
Final Wiring and Trimout	9%	
<b>Total</b>	<b>100%</b>	

**705 National Standard Master Sign Electrician**60 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
General Knowledge	23%	2005 <i>National Electrical Code</i>
Services and Service Equipment	20%	
Feeders	10%	
Branch Circuits and Conductors	20%	
Wiring Methods and Materials	27%	
<b>Total</b>	<b>100%</b>	

**706 National Standard Journeyman Sign Electrician**40 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—2-hour time limit

Content Area	% of Total	Reference
General Knowledge	25%	2005 <i>National Electrical Code</i>
Services and Service Equipment	30%	
Feeders	5%	
Branch Circuits and Conductors	10%	
Wiring Methods and Materials	30%	
<b>Total</b>	<b>100%</b>	

**218 National Standard Low-voltage Electrician**50 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
General Low-voltage Requirements	20%	2005 <i>National Electrical Code</i>
Power Limiting/Alarm Systems	40%	
Telephones	20%	
Television and Radios	20%	
<b>Total</b>	<b>100%</b>	

**704 National Standard Maintenance Electrician**60 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
Terms and Definitions	10%	2005 <i>National Electrical Code</i>
Electrical Theory	10%	
General Requirements and Fundamentals	10%	
Wiring Methods	25%	
Voltage Drop	5%	
Motor Loads	10%	
Overcurrent Protection	10%	
Calculations	15%	
Clearances	5%	
<b>Total</b>	<b>100%</b>	

**672 National Standard Master Plumber**

100 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—4-hour time limit

Content Area	% of Total	Reference
Plumbing Fixtures and Terminology	7%	2006 <i>International Plumbing Code</i> ®
Plumbing Fundamentals	13%	
Traps, Cleanouts, and Interceptors	7%	
Special Requirements	3%	
Drainage Requirements	19%	
Vent Requirements	17%	
Water Distribution	11%	
Plan and Analysis	23%	
<b>Total</b>	<b>100%</b>	

**673 National Standard Journeyman Plumber**

70 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—3-hour time limit

Content Area	% of Total	Reference
Plumbing Fixtures and Terminology	6%	2006 <i>International Plumbing Code</i> ®
Plumbing Fundamentals	14%	
Traps, Cleanouts, and Interceptors	6%	
Special Requirements	4%	
Drainage Requirements	16%	
Vent Requirements	16%	
Water Distribution	11%	
Plan Reading	27%	
<b>Total</b>	<b>100%</b>	

**674 National Standard Master Plumber with Gas**

100 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—4-hour time limit

Content Area	% of Total	Reference
Plumbing Fixtures and Terminology	7%	2006 <i>International Plumbing Code</i> ®
Plumbing Fundamentals	13%	
Traps, Cleanouts, and Interceptors	7%	2006 <i>International Fuel Gas Code</i> ®
Special Requirements	6%	
Drainage Requirements	8%	
Vent Requirements	9%	
Water Distribution	7%	
Plan and Analysis	23%	
Gas	20%	
<b>Total</b>	<b>100%</b>	



**675 National Standard Journeyman Plumber with Gas**70 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
Plumbing Fixtures and Terminology	4%	2006 <i>International Plumbing Code</i> ®
Plumbing Fundamentals	13%	2006 <i>International Fuel Gas Code</i> ®
Traps, Cleanouts, and Interceptors	4%	
Special Requirements	4%	
Drainage Requirements	14%	
Vent Requirements	14%	
Water Distribution	11%	
Plan Reading	14%	
Gas	20%	
<b>Total</b>	<b>100%</b>	

**676 National Standard Residential Plumber**70 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
Administration and Definitions	6%	2006 <i>International Plumbing Code</i> ®
General Requirements	6%	
Fixtures Requirements	14%	
Water Requirements	14%	
Drainage Requirements	17%	
Venting Requirements	17%	
Plan Reading	26%	
<b>Total</b>	<b>100%</b>	

**670 National Standard Master Mechanical**100 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—4-hour time limit

Content Area	% of Total	Reference
HVAC Principles, Terminology, Administration and Safety	16%	2006 <i>International Mechanical Code</i> ®
HVAC Installation Requirements	14%	2006 <i>International Fuel Gas Code</i> ®
Venting Duct and Combustion Air	18%	2005 <i>National Electrical Code</i>
Gas Piping	8%	
HVAC Electrical	13%	
Boilers Duct and Electrical	11%	
Plan Analysis	20%	
<b>Total</b>	<b>100%</b>	

**671 National Standard Journeyman Mechanical**

50 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
Workman Safety	2%	2006 <i>International Mechanical Code</i> ®
Basic Heat Flow	4%	2006 <i>International Fuel Gas Code</i> ®
Refrigeration Cycle	4%	2005 <i>National Electrical Code</i>
Types of Refrigeration Systems	2%	
Types of Air Flow and Distribution Systems	2%	
Installation Requirements—Heating	6%	
Installation Requirements—A.C.	2%	
Boilers	6%	
Insulation	4%	
Venting	6%	
Combustion Air	4%	
Gas Piping	16%	
Electrical	4%	
Ducts	6%	
Materials and Standards	4%	
Heating and Cooling Calculations	2%	
Mechanical Principles and Terminology	4%	
Plan Reading and Analysis	22%	
<b>Total</b>	<b>100%</b>	

**677 National Standard Master Gas Pipe Fitter**

75 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
Terminology and Fundamentals	13%	2006 <i>International Fuel Gas Code</i> ®
Theory and Principles	12%	
Plan Reading	13%	
Operating Principles	7%	
Materials	7%	
Pipe Sizing and Installation	9%	
Appliances	16%	
Vents	5%	
Special Requirements	7%	
Plan Application	11%	
<b>Total</b>	<b>100%</b>	

**678 National Standard Journeyman Gas Pipe Fitter**

50 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—2-hour time limit

Content Area	% of Total	Reference
Terminology and Fundamentals	6%	2006 <i>International Fuel Gas Code</i> ®
Basic Theory and Principles	10%	
Materials	12%	
Appliances	24%	
Venting	24%	
Pipe Sizing and Installation	24%	
<b>Total</b>	<b>100%</b>	

**679 National Standard Residential Mechanical—Class C**

70 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
HVAC Principles, Terminology, Administration, and Safety	26%	2006 <i>International Residential Code</i> ®
HVAC Installation Requirements	29%	
Venting, Duct, and Combustion Air	31%	
Gas Piping	14%	
<b>Total</b>	<b>100%</b>	

**200 National Standard Fire Suppression Installer/Worker**

60 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—2-hour time limit

Content Area	% of Total	Reference
Inspection (Alarms and Subsection)	15%	2006 <i>International Fire Code</i> ®
Emergency Impairment	5%	2006 <i>International Building Code</i> ®
Piping Systems	20%	2002 NFPA 13, 13D, 13R, and 25
Water Supply	10%	2003 NFPA 14 and 20
Fire Pumps	10%	
Special Systems	20%	
Accepting Systems	20%	
<b>Total</b>	<b>100%</b>	

**680 Residential Fire Sprinkler Design/Installation**

60 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—2-hour time limit

Content Area	% of Total	Reference
Sprinkler Components	10%	2009 <i>International Residential Code</i> ®
Piping Components	10%	
Water Supply	10%	
System Design	45%	
Installation	25%	
<b>Total</b>	<b>100%</b>	

# National Contractor/Trades Examinations

## Based on the 2008 NEC and 2009 International Codes

Please visit [www.iccsafe.org/contractor](http://www.iccsafe.org/contractor) for the most up-to-date information. Outlines are subject to change.

Exam fees are listed for paper-and-pencil (P&P) method, if available, and computer-based testing (CBT).

### N11 National Standard General Building Contractor (A)

90 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—4-hour time limit

Content Area	% of Total	Reference
Administration	8%	2009 <i>International Building Code</i> ®
Building Planning	6%	ACI 318-08 <i>Building Code Requirements for Structural</i>
Plan Reading	12%	<i>Concrete and Commentary</i> or 2009 ICC <i>Concrete Manual</i>
Life Safety	12%	
Roof Assemblies and Rooftop Structures	13%	
Soils and Foundations	11%	
Concrete	4%	
Masonry	9%	
Steel	4%	
Wood	13%	
Gypsum Board and Plaster	2%	
Special Construction	2%	
Energy Efficiency	2%	
<b>Total</b>	<b>100%</b>	

### N12 National Standard Building Contractor (B)

80 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—4-hour time limit

Content Area	% of Total	Reference
Administration	6%	2009 <i>International Building Code</i> ®
Building Planning	5%	2009 <i>International Residential Code</i> ®
Plan Reading	13%	ACI 318-08 <i>Building Code Requirements for Structural</i>
Life Safety	9%	<i>Concrete and Commentary</i> or 2009 ICC <i>Concrete Manual</i>
Exterior Walls	3%	
Roof Assemblies and Rooftop Structures	8%	
Soils and Foundations	11%	
Concrete	5%	
Masonry	11%	
Steel	6%	
Wood	18%	
Glass and Glazing	1%	
Gypsum Board and Plaster	3%	
Special Construction	1%	
Energy Efficiency	1%	
<b>Total</b>	<b>100%</b>	

**N13 National Standard Residential Building Contractor (C)**

80 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—4-hour time limit

Content Area	% of Total	Reference
Administration	9%	2009 <i>International Residential Code</i> ®
Building Planning	11%	ACI 318-08 <i>Building Code Requirements for Structural</i>
Plan Reading	13%	<i>Concrete and Commentary</i> <u>or</u> 2009 ICC <i>Concrete Manual</i>
Life Safety	5%	
Exterior Walls	3%	
Roof Assemblies and Rooftop Structures	8%	
Soils and Foundations	11%	
Concrete	3%	
Masonry	8%	
Wood	24%	
Glass and Glazing	3%	
Gypsum Board and Plaster	3%	
Energy Efficiency	3%	
<b>Total</b>	<b>100%</b>	

**N14 National Standard Roofing Contractor/Subcontractor**

60 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
General Administration	5%	2009 <i>International Building Code</i> ®
Permits	6%	2009 <i>International Plumbing Code</i> ®
Inspections and Structural Tests	5%	
Violations and Stop Work Orders	2%	
Weather Protection	4%	
Fire Classification	15%	
Requirements for Roof Coverings	36%	
Re-roofing	2%	
Roof Insulation	5%	
Rooftop Structures	8%	
Roof Drainage	12%	
<b>Total</b>	<b>100%</b>	

**N15 National Standard Shingle Roofing**

40 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—2-hour time limit

Content Area	% of Total	Reference
General Administration	3%	2009 <i>International Residential Code</i> ®
Permits	3%	
Inspections and Structural Tests	3%	
Violations and Stop Work Orders	3%	
Weather Protection	3%	
Fire Classification	6%	
Requirements for Roof Coverings	65%	
Re-roofing	3%	
Roof Insulation	4%	
Roof Drainage	7%	
<b>Total</b>	<b>100%</b>	

**N16 National Standard Master Electrician**

100 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—5-hour time limit

Content Area	% of Total	Reference
General Knowledge and Plan Reading	12%	2008 <i>National Electrical Code</i>
Services and Service Equipment	16%	
Feeders	4%	
Branch Circuits and Conductors	16%	
Wiring Methods and Materials	19%	
Equipment and Devices	10%	
Control Devices	3%	
Motors and Generators	8%	
Special Occupancies, Equipment, and Conditions	12%	
<b>Total</b>	<b>100%</b>	

**N17 National Standard Journeyman Electrician**

80 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—4-hour time limit

Content Area	% of Total	Reference
General Knowledge	8%	2008 <i>National Electrical Code</i>
Services and Service Equipment	13%	
Feeders	3%	
Branch Circuits and Conductors	20%	
Wiring Methods and Materials	26%	
Equipment and Devices	13%	
Control Devices	3%	
Motors and Generators	5%	
Special Occupancies, Equipment, and Conditions	11%	
<b>Total</b>	<b>100%</b>	

**N18 National Standard Residential Electrician**

60 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—3-hour time limit

Content Area	% of Total	Reference
General Knowledge	12%	2008 <i>National Electrical Code</i>
Services and Service Equipment	22%	
Feeders	13%	
Branch Circuits and Conductors	25%	
Wiring Methods and Materials	13%	
Equipment and Devices	8%	
Special Occupancies, Equipment, and Conditions	7%	
<b>Total</b>	<b>100%</b>	

**N22 National Standard Master Sign Electrician**

60 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—3-hour time limit

Content Area	% of Total	Reference
Basic Electricity and Wiring	23%	2008 <i>National Electrical Code</i>
Electrical Materials and Installation	21%	
Motors and Transformers	3%	
Outside Branch Circuits and Feeders	21%	
Services	6%	
Electrical Signs and Outdoor Lighting	26%	
<b>Total</b>	<b>100%</b>	

**N23 National Standard Journeyman Sign Electrician**

40 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—2-hour time limit

Content Area	% of Total	Reference
Basic Electricity and Wiring	25%	2008 <i>National Electrical Code</i>
Electrical Materials and Installation	30%	
Motors and Transformers	5%	
Outside Branch Circuits and Feeders	10%	
Services	5%	
Electrical Signs and Outdoor Lighting	25%	
<b>Total</b>	<b>100%</b>	

**N21 National Standard Low-voltage Electrician**

50 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—3-hour time limit

Content Area	% of Total	Reference
General Knowledge	24%	2008 <i>National Electrical Code</i>
Low-voltage Remote Control and Alarm Systems	22%	
Low-voltage Communication and Sound Systems	36%	
Low-voltage Control Circuits	14%	
Fiber Optical Cables and Raceways	4%	
<b>Total</b>	<b>100%</b>	

**N19 National Standard Maintenance Electrician**

60 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—3-hour time limit

Content Area	% of Total	Reference
General Knowledge and Calculations	10%	2008 <i>National Electrical Code</i>
Utilization Equipment and Devices	23%	
Motors and Controls	8%	
Wiring Methods, Materials, and Conductors	32%	
Grounding and Overcurrent Protection	18%	
Special Occupancies, Systems, and Equipment	8%	
<b>Total</b>	<b>100%</b>	

**N24 National Standard Master Plumber**

100 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—4-hour time limit

Content Area	% of Total	Reference
Administration	4%	2009 <i>International Plumbing Code</i> ®
General Regulations	8%	
Fixtures	7%	
Water Heaters	4%	
Water Supply and Distribution	13%	
Sanitary Drainage	16%	
Vents	20%	
Traps, Interceptors, and Separators	4%	
Storm Drainage	1%	
Plan Reading	23%	
<b>Total</b>	<b>100%</b>	



**N25 National Standard Journeyman Plumber**

70 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—3-hour time limit

Content Area	% of Total	Reference
Administration	4%	2009 <i>International Plumbing Code</i> ®
General Regulations	7%	
Fixtures	6%	
Water Heaters	4%	
Water Supply and Distribution	11%	
Sanitary Drainage	16%	
Vents	16%	
Traps, Interceptors, and Separators	7%	
Storm Drainage	1%	
Plan Reading	27%	
<b>Total</b>	<b>100%</b>	

**N27 National Standard Master Plumber with Gas**

100 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—4-hour time limit

Content Area	% of Total	Reference
Administration	4%	2009 <i>International Plumbing Code</i> ®
General Regulations	8%	
Fixtures	5%	
Water Heaters	4%	
Water Supply and Distribution	11%	
Sanitary Drainage	9%	
Vents	13%	
Traps, Interceptors, and Separators	4%	
Storm Drainage	2%	
Plan Reading	21%	
Gas	19%	
<b>Total</b>	<b>100%</b>	

**N28 National Standard Journeyman Plumber with Gas**

70 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—3-hour time limit

Content Area	% of Total	Reference
Administration	3%	2009 <i>International Plumbing Code</i> ®
General Regulations	6%	2009 <i>International Fuel Gas Code</i> ®
Fixtures	6%	
Water Heaters	6%	
Water Supply and Distribution	11%	
Sanitary Drainage	14%	
Vents	14%	
Traps, Interceptors, and Separators	6%	
Storm Drainage	3%	
Plan Reading	14%	
Gas	17%	
<b>Total</b>	<b>100%</b>	

**N29 National Standard Master Mechanical**

100 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—4-hour time limit

Content Area	% of Total	Reference
Appliances and Equipment	10%	2009 <i>International Mechanical Code</i> ®
Chimneys and Vents	7%	2009 <i>International Fuel Gas Code</i> ®
Combustion Air	8%	2008 <i>National Electrical Code</i>
Duct Systems	12%	
Electrical	9%	
Exhaust and Ventilation Systems	8%	
Fuel Supply Systems	7%	
General Requirements and Plan Analysis	33%	
Special Requirements	4%	
Water	2%	
<b>Total</b>	<b>100%</b>	

**N31 National Standard Journeyman Mechanical**

50 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—3-hour time limit

Content Area	% of Total	Reference
General Requirements	46%	2009 <i>International Mechanical Code</i> ®
Appliances and Equipment	14%	2009 <i>International Fuel Gas Code</i> ®
Exhaust and Ventilation Systems	2%	2008 <i>National Electrical Code</i>
Duct Systems	14%	
Combustion Air	6%	
Chimneys and Vents	6%	
Fuel Supply Systems	2%	
Special Requirements	6%	
Electrical	4%	
<b>Total</b>	<b>100%</b>	

**N32 National Standard Residential Mechanical—Class C**

70 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—3-hour time limit

Content Area	% of Total	Reference
General Requirements	29%	2009 <i>International Residential Code</i> ®
Appliances and Equipment	4%	
Duct Systems	14%	
Combustion Air	21%	
Chimneys and Vents	9%	
Fuel Supply Systems	13%	
Electrical	10%	
<b>Total</b>	<b>100%</b>	

**N33 National Standard Master Gas Pipe Fitter**

75 multiple-choice questions  
 Exam fee: \$100 (CBT)  
 Open book—3-hour time limit

Content Area	% of Total	Reference
General Requirements and Plan Analysis	39%	2009 <i>International Fuel Gas Code</i> ®
Appliances and Equipment	13%	
Fuel Supply Systems	17%	
Combustion Air	12%	
Chimneys and Vents	13%	
Special Requirements	5%	
<b>Total</b>	<b>100%</b>	

**N34 National Standard Journeyman Gas Pipe Fitter**

50 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—2-hour time limit

Content Area	% of Total	Reference
General Requirements	28%	2009 <i>International Fuel Gas Code</i> ®
Appliances and Equipment	20%	
Fuel Supply Systems	22%	
Combustion Air	10%	
Chimneys and Vents	12%	
Special Requirements	8%	
<b>Total</b>	<b>100%</b>	

**N35 National Standard Fire Suppression Installer/Worker**

60 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—2-hour time limit

Content Area	% of Total	Reference
Inspection	15%	2009 <i>International Fire Code</i> ®
Emergency Impairment	5%	2009 <i>International Building Code</i> ®
Piping Systems	20%	2007 NFPA 13, 13D, 13R, 14, and 20
Water Supply	10%	2008 NFPA 25
Fire Pumps	10%	
Special Systems	20%	
Accepting Systems	20%	
<b>Total</b>	<b>100%</b>	

**680 Residential Fire Sprinkler Design/Installation**

60 multiple-choice questions  
Exam fee: \$100 (CBT)  
Open book—2-hour time limit

Content Area	% of Total	Reference
Sprinkler Components	12%	2009 <i>International Residential Code</i> ®
Piping Components	12%	2007 NFPA 13 and 13D
Water Supply	12%	
System Design	37%	
Installation	28%	
<b>Total</b>	<b>100%</b>	