

2007

ICC National Contractor Trades Examination Program Bulletin

Standardized Examinations for
Contractor and Trades Licensing Agencies



*People Helping People
Build a Safer World™*

International Code Council
Contractor Trades Examinations
Birmingham District Office
900 Montclair Road
Birmingham, AL 35213

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ICC Vision

Protecting the health, safety, and welfare of people
by creating better buildings and safer communities.

ICC Mission

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

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Note: Examination requirements, including registration/scheduling, dates, locations, fees and references are subject to change. For up-to-date information on ICC contractor trades examinations, go to www.iccsafe.org/contractor or call 1-888-ICC-SAFE (422-7233), ext. 33805.

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Examination registration/scheduling requirements, dates, locations, fees and references are subject to change. Please make sure that you have the most current candidate bulletin before registering for/scheduling any examination by visiting our web address at www.iccsafe.org/contractor.

About the ICC National Contractor Trades Examination Program

The International Code Council Contractor Trades Examination Program is a cooperative endeavor between ICC and participating states and jurisdictions.

Passing an ICC examination is not a license to practice and does not guarantee that a license will be granted. Instead, a passing score satisfies the testing requirement for licensing.

To acquire a license to practice, you must apply to a participating jurisdiction and meet all additional licensing requirements.

Additionally, some jurisdictions may not recognize all of the examination categories offered by this program. You are strongly encouraged to check with the specific licensing board where you wish to be licensed to determine whether it recognizes these examinations.

Before You Register for an Examination

Before you register for a written or electronic examination:

- Step 1** Contact the applicable licensing board for specific licensing requirements.
- Step 2** Ensure that you have the most current examination information by going to www.iccsafe.org/contractor for the applicable examination information bulletin.
- Step 3** Read all the information contained in the examination information bulletin in its entirety.
- Step 4** Select the examination you need to take. You may want to contact the specific licensing board/agency, if you need clarification.
- Step 5** Review the examination content outline for the examination you need to take.
- Step 6** Determine the reference materials required for the examination and obtain the references. Study these references well in advance of taking the examination.
- Step 7** Determine if the exam is administered electronically (computer-based exam) and/or by paper-and-pencil.
- Step 8** Follow the registration requirements for paper-and pencil examinations if you select to have the examination administered by paper-and-pencil or if the examination is only administered by paper-and-pencil. Follow the registration requirements for electronic/computer-based examinations if you select to have the examination administered electronically or if the exam is only administered electronically.
- Step 9** Pass the examination. If a candidate does not pass a written or electronic exam, in most cases, they must wait 10 days from the exam date to retest. However, a licensing agency/board may have specific retest requirements. Before registering to retake an examination you should refer to the specific examination information bulletin by going to www.iccsafe.org/contractor and contact the specific licensing board. To retake an electronic exam, contact LaserGrade at 1-800-211-2754 to reschedule/register to take the examination. If the examination is only administered by paper-and-pencil, you must wait until the next scheduled paper-and-pencil administration date and time to retake the examination.

Passing an ICC examination is not a license to practice and does not guarantee that a license will be granted.

Paper-and-Pencil Examinations

Registering

To register for a paper-and-pencil examination, you must obtain a registration application. The registration application must be completed and forwarded to ICC with pre-payment. There are three ways to obtain a registration application for a paper-and-pencil examination:

1. Go to the ICC website at: www.iccsafe.org/contractor.
2. Contact ICC at the address or phone number provided on the cover of this bulletin.
3. Contact the licensing department of the jurisdiction in which you plan to be licensed.

Once you have received a registration application it must be filled in completely and returned with payment to ICC by the deadline date indicated on the registration application.

If you fail to completely fill in the registration application, it will delay processing, which may cause you to miss the exam date you have selected.

Examination sites have a limited seating capacity. To ensure registration for the examination and date you have selected, return your completed registration application and fee as far in advance of the deadline date indicated on the registration application as possible.

Registrations for ICC examinations are accepted on a first-come, first-served basis.

Confirmation

After ICC receives your completed registration application and pre-payment, you can expect to receive a letter from ICC confirming your examination date by U.S. mail approximately two weeks prior to the examination date. The letter will also include the location of the examination site, directions to the site, and the time of day you should be at the site. If you do not receive your confirmation letter from ICC within one week before the exam date, call ICC at 1-888-ICC-SAFE (422-7233), ext. 33805.

Your confirmation letter cannot be used as a form of identification for entrance to the examination. You must present an acceptable form of photo ID in order to take the ICC examination. An acceptable form of photo ID is your driver's license.

Dates and Locations

Examination dates and cities where the exams are administered are listed on the registration application that you are required to complete and forward to ICC with pre-payment. The exact location of the site will be included in the confirmation letter that is sent to you about two weeks prior to the examination date.

Rescheduling and Refunds

If you are unable to attend the examination you registered for and would like a refund or to reschedule for another examination date, you must notify ICC in writing at least 14 days before the examination date for which you have registered. If you request to cancel or reschedule 13 or less days before the exam date you must contact ICC at: 1-888-ICC-SAFE (422-7233), extension 33805. ICC will then send you the applicable form to complete. You must complete this form and submit it to ICC along with a \$15 fee. If you do not send your request in writing to ICC before the exam date, you will lose your entire exam fee and will have to submit a new application with payment.

The following actions will result in forfeiture of your examination fee:

1. Attempting to cancel or reschedule your examination less than 14 days before your examination date.
2. Failing to appear at the examination site on your examination date.
3. Failing to have acceptable photo identification when you appear at the examination site. Acceptable photo identification is a driver's license. If you do not possess a driver's license, you will be required to provide two forms of ID issued by a federal or state regulatory agency. One of the two required forms of ID must be a photo ID the second form of ID can be your birth certificate or social security card, military ID, or passport.

Examination Results

ICC notifies all examinees of their examination results by U.S. mail. ICC will send your examination results to you within three weeks after the examination date.

All examinees that have passed ICC contractor/trades exams are included in ICC's Official Pass List for Contractor Examination on the ICC website at www.iccsafe.org/contractor.

Electronic Examinations

Registering

ICC electronic (computer-based) examinations are administered by LaserGrade, LP. To register for an electronic examination, call LaserGrade at 1-800-211-2754 between 6:00 a.m. and 5:00 p.m. Pacific time, Monday through Friday; or 6:00 a.m. to 2:00 p.m. on Saturday. A LaserGrade representative will take your name and information and will help you select the optimal test date and location for your schedule. Testing locations near you can be found at www.lasergrade.com/locate.shtml. Same-day, walk-in testing is not available.

Confirmation

The LaserGrade representative will give you a confirmation number when you register. You will need to provide this confirmation number at the testing site to be admitted to take the electronic examination. You will not be admitted to take the electronic examination without providing the confirmation number at the testing site.

Dates and Locations

ICC computer-based exams are administered Monday through Saturday, with the exception of holidays. Some testing centers are open daily, while others are open on specific days of the week. To access the most current information on testing centers, hours of operation, and test center code numbers, go to the LaserGrade website at www.lasergrade.com/locate.shtml. Test administrations are delayed or canceled only in emergencies. If severe weather or a natural disaster makes a test center inaccessible or unsafe, the test administration will be canceled.

Computer Experience

Even if you have never used a computer, you can still take an ICC electronic examination. Before you take the examination you will receive a short tutorial and introduction to taking the exam using the computer.

Once the examination begins, the questions and choice of answers are displayed on the computer screen along with clear, easy-to-follow, step-by-step instructions. The questions on the electronic examinations are the same type as on the paper-and-pencil examinations.

Rescheduling and Refunds

To change or cancel your reservation without monetary penalty, you must notify LaserGrade at least 24 hours before your scheduled exam date. When this is done, the fee from your first appointment will be applied to your new test date.

The following actions will result in forfeiture of your examination fee:

1. Attempting to cancel or reschedule your examination less than 24 hours before your examination date.
2. Failing to appear at the examination site on your examination date.
3. Failing to have acceptable photo identification when you appear at the examination site. Acceptable photo identification is a driver's license. If you do not possess a driver's license, you will be required to provide two forms of ID issued by a federal or state regulatory agency. One of the two required forms of ID must be a photo ID. The second form of ID can be your birth certificate or social security card, military ID, or passport.

Examination Results

When you have completed an ICC electronic examination, the examination proctor will provide you a printed test report with your unofficial test results. If you failed the exam, this test report may help you determine the areas you may need to focus your studies.

Official test results will be mailed to you from ICC within five working days. All examinees that have passed ICC contractor trades exams are included in ICC's Official Pass List for Contractor Examination on the ICC website at www.iccsafe.org/contractor.

Administrative Rules and Procedures

Special Needs

Paper-and-Pencil Examinations

If you require special accommodations under the Americans with Disabilities Act (ADA) for a paper-and-pencil examination, contact the ICC Contractor/Trades Examination Services at 1-888-ICC-SAFE (422-7233), extension 33805, to obtain an accommodation request form.

Electronic Examinations

If you require special accommodations under the Americans with Disabilities Act (ADA) for a computer-based examination, you may ask for special services at the time you are scheduling your testing appointment with the LaserGrade representative.

Passing Score and Release of Results

The passing score on examinations is 70, excluding the Master Electrician examination, which requires 75 as a passing score.

ICC examinations are not designed to discriminate among passing examinees. Therefore, if you pass an ICC examination, your actual score is not indicated/reported. ICC only sends written notification that you have passed the examination, and your name is added to ICC's Official Pass List for Contractor Examination on the ICC website at www.iccsafe.org/contractor.

Cancellation of Examination Scores

On rare occasions, circumstances may render examination scores invalid. ICC reserves the right to cancel or withhold examination scores if, in the sole opinion of ICC, there is adequate reason to question the validity of certain results.

Canceled scores may result from two situations:

1. Doubts raised about the validity of certain scores because of suspected misconduct, such as giving or receiving help or removing materials or notes from the examination site. In such circumstances, examinees will be expected to cooperate in an investigation of their scores.
2. Some scores may be rendered invalid because of circumstances beyond the examinee's control, such as faulty examination materials.

These situations will be thoroughly investigated. When such occurrences result in cancellation of examination scores, ICC will arrange for retesting at a time and place convenient to all concerned with no additional cost to the examinees.

Comments

Paper-and-Pencil Examinations

If you desire to comment about any matter related to the examination, you may complete the comment form provided at the conclusion of the examination, or you may submit written comments to ICC by e-mail at contexam@iccsafe.org or by mail to the address listed on the front cover of this bulletin. Please be sure to include the examination taken, the examination date, the center location, and your complete name and address with your comment.

Electronic Examinations

If you desire to comment about any matter related to the examination, you may complete the survey provided at the conclusion of the examination, or you may submit written comments to ICC by e-mail at contexam@iccsafe.org or by mail to the address listed on the front cover of this

bulletin. Please be sure to include the examination taken, the examination date, the center location, and your complete name and address with your comment.

Challenges

An examinee may challenge the ICC examination or examination process. A challenge does not change or have any effect on the final exam score unless an error is found. An examination review session allows the individual to only see the questions missed and incorrect responses. Note-taking is not allowed during a review session, and no instruction is provided.

Paper-and-Pencil Examinations

Challenges must be in writing and include a completed and signed challenge form and a separate and complete statement of each item upon which the challenge is based. Challenges must be submitted to ICC by mail and postmarked no later than 60 days following the date of the examination. Written requests to receive a challenge form may be sent by e-mail to contexam@iccsafe.org or by mail to the below address.

An examinee that has failed the examination and scored within ten (10) points of passing may submit a written request to review his or her examination materials to prepare the challenge. There is a fee for a review session. ICC must receive the completed and signed challenge form before the request for a review session.

Written requests for an examination review session and additional information, including applicable fee, may be sent by e-mail to contexam@iccsafe.org or by mail to:

International Code Council
Certification and Testing Services
Candidate Services Coordinator
900 Montclair Road
Birmingham, AL 35213

Electronic Examinations

An examinee that has failed the examination and scored within ten (10) points of passing may contact LaserGrade directly to challenge his score. There is a fee for a review session. For more information on the challenge process for electronic examinations, please contact LaserGrade at 1-800-211-2754.

Test Site Regulations

ICC and participating licensing agencies are committed to safeguarding the public health, safety, and general welfare. ICC's copyrighted testing materials and stringent testing security procedures, including videotaping, ensure participating licensing agencies that examinees who have passed an ICC contractor/trades examination possess knowledge governing the trade in which the examinee seeks to be licensed.

To ensure the security of examination materials, reliable test results, and public confidence in the integrity of licensed trade professionals, the following rules and procedures are strictly enforced at all ICC examinations:

1. Examination will be given only on the date and time scheduled.
2. For electronic examinations, examinees must possess and provide their testing confirmation number (that was provided by the LaserGrade representative at the time of exam registration) at the testing site on the exam day in order to be admitted to take the exam.
3. Examinees must possess and present a valid photo ID issued by a state or federal regulatory agency, i.e., a driver's license, passport, etc.
4. Metal detectors may be randomly used to search examinees entering and/or leaving the exam room.
5. Proctors may inspect all materials an examinee carries into and from the exam room.
6. ICC randomly videotapes examination sessions.
7. Individuals who pass an examination cannot retake the examination they passed.
8. Individuals who failed an examination may take the exam again. Individuals must wait 10 days before they take the exam again. However, a licensing agency/board may have specific retest requirements. Before registering to retake an examination, you should refer to the specific examination information bulletin by going to www.iccsafe.org/contractor or contact the specific licensing agency/board.
9. Examinees are allowed to bring/use only approved references. References must be in their original forms; however, notes written in ink in the code sections, highlighted code sections, and permanent tabs are allowed.
10. Examinees are not allowed to communicate, verbally or nonverbally, with each other during the examination.
11. Examinees are not allowed to share references.
12. Examinees are not allowed to bring ballpoint pens, colored pencils, highlighters, felt pens, writing paper, or briefcases into the exam room.
13. Examinees are not allowed to bring and use calculators with print capability and/or that perform electrical functions or store electrical formulas.
14. Examinees are not allowed to bring copying, recording, or photo devices into the exam room.
15. Examinees are not allowed to bring cell phones, beepers, radios, MP3 players, and/or PDAs into the exam room.
16. Examinees are not allowed to write or mark in or on their reference books during the examination.
17. Examinees are not allowed to leave the building and return to the exam room while the examination is being administered.
18. If an examinee wishes to leave the exam room for any reason, he or she must receive permission from the proctor and turn in all his or her examination materials and references to the proctor.
19. Only one examinee at a time is allowed outside the exam room.
20. Examinees are not allowed additional test time for time spent outside the exam room.
21. Visitors are not allowed in the exam room.

Proctors

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; or
4. Copies or attempts to copy examination questions or answers.

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 an ICC examination in the future, and may face possible prosecution.

Examinees

Examinees are responsible for arriving at the exam site on the proper date, at the proper time, with proper identification, and with approved reference(s). Approved examination references are listed with the individual examination outlines found in this bulletin. References for examinations are not supplied by ICC or the testing center.

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

Examinees may bring the following items to the examination:

1. Three No. 2 pencils (sharpened)
2. Correct/approved reference(s)
3. Eraser
4. Magnifying glass
5. Eyeglasses, if necessary
6. Architects' scale or rule
7. Watch - no alarms allowed during exams
8. Battery-operated calculator that is nonprogrammable. The calculator **cannot** be capable of storing alpha-numeric numbers, performing electrical functions, or storing examination information, nor have ribbon or paper printing capabilities. Solar-powered calculators are not recommended. Lighting conditions are such that there is usually insufficient light to power a solar calculator. Calculator malfunctions are not grounds for challenging test results or requesting additional time. Special seating is not available to accommodate solar calculators or electrical supply cords.
9. Foreign language/English dictionaries, if needed

Before the Exam

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 ICC examinations.

The ICC 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.

During the Exam

For paper-and-pencil administered examinations, the proctor provides a 30-minute and a 10-minute time-remaining alert and announcement when time has expired. For electronically administered examinations, there is a clock on the computer that counts down to display the time remaining. When the time limit is up for the examination, the computer will end the test.

After Completing the Exam

If you complete an examination before the time limit has expired you may conclude your examination appointment and leave.

Participating States and Jurisdictions

States and jurisdictions participating in the ICC National Contractor Trades Examination Program are subject to change as is the range of qualifying examinations offered. For the most up-to-date information on participating states and jurisdictions, go to the ICC website at www.iccsafe.org/contractor.

Examination Outlines

The percentage of questions for each content area is subject to change and may not equal 100% due to rounding.

EXAM ID: 701 EXAM: STANDARD MASTER ELECTRICIAN **One Part - Open Book - 100 Multiple-Choice Questions - 5-Hour Time Limit**

Major Content Area	No. of Questions	Percent of Exam
Service Transformers and Equipment	19	19 %
Wiring Methods and Installation	16	16 %
Cabinets, Panelboards, Switchboards, Boxes, and Conduit Bodies	4	4 %
Conductors	14	14 %
Control Devices	5	5 %
Motors and Generators	10	10 %
Utilization Equipment and Devices	7	7 %
Special Occupancies and Uses	10	10 %
Miscellaneous	5	5 %
Plan Reading and Analysis	10	10 %

Approved Reference: *National Electrical Code*[®], 2005 Edition

EXAM ID: 703 EXAM: STANDARD JOURNEYMAN ELECTRICIAN **One Part - Open Book - 80 Multiple-Choice Questions - 4-Hour Time Limit**

Major Content Area	No. of Questions	Percent of Exam
Service Transformers and Equipment	13	16 %
Wiring Methods and Installation	19	24 %
Cabinets, Panelboards, Switchboards, Boxes, and Conduit Bodies	4	5 %
Conductors	16	20 %
Control Devices	3	4 %
Motors and Generators	6	8 %
Utilization Equipment and Devices	6	8 %
Special Occupancies and Uses	9	10 %
Miscellaneous	4	5 %

Approved Reference: National Electrical Code, 2005 Edition

EXAM ID: 218 EXAM: LOW-VOLTAGE ELECTRICIAN **One Part - Open Book - 50 Multiple-Choice Questions - 3-Hour Time Limit**

Major Content Area	No. of Questions	Percent of Exam
General Low-Voltage Requirements	10	20 %
Power Limiting /Alarm Systems	20	40 %
Telephones	10	20 %
Televisions and Radios	10	20 %

Approved Reference: *National Electrical Code*, 2005 Edition

EXAM ID: 824 EXAM: STANDARD RESIDENTIAL ELECTRICIAN
One Part - Open Book - 80 Multiple-Choice Questions - 4-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Electrical Layout and Plan Reading	9	11 %
Branch Circuit and Wiring	8	10 %
Appliance and Motor Circuits	3	3 %
Installation	3	3 %
Panel Wiring	2	3 %
Trimout and Wiring	2	3 %
Administrative	1	1 %
Grounding and Bonding	2	3 %
Electrical Layout	5	6 %
Branch Circuits B Rough In	7	9 %
Branch Circuits and Appliances	8	10 %
Services	7	9 %
Grounding	8	10 %
Panel Wiring and Overcurrent Protection	8	10 %
Final Wiring and Trimout	7	9 %

Approved Reference: *National Electrical Code, 2005 Edition*

EXAM ID: 704 EXAM: STANDARD MAINTENANCE ELECTRICIAN
One Part - Open Book - 60 Multiple-Choice Questions - 3-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Terms and Definitions	6	10 %
Electrical Theory	6	10 %
General Requirements and Fundamentals	6	10 %
Wiring Methods	15	25 %
Voltage Drop	3	5 %
Motor Loads	6	10 %
Overcurrent Protection	6	10 %
Calculations	9	15 %
Clearances	3	5 %

Approved Reference: *National Electrical Code, 2005 Edition*

EXAM ID: 821 EXAM: STANDARD MASTER PLUMBER
One Part - Open Book - 100 Multiple-Choice Questions - 4-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Plumbing Fixtures and Terminology	7	7 %
Plumbing Fundamentals	13	13 %
Traps, Cleanouts, and Interceptors	7	7 %
Special Requirements	3	3 %
Drainage Requirements	19	19 %
Vent Requirements	17	17 %
Water Distribution	11	11 %
Plan and Analysis	23	23 %

Approved Reference: *International Plumbing Code®*, 2003 Edition

EXAM ID: 213 EXAM: MASTER PLUMBER WITH GAS
One Part - Open Book - 100 Multiple-Choice Questions - 4-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Plumbing Fixtures and Terminology	7	7 %
Plumbing Fundamentals	13	13 %
Traps, Cleanouts, and Interceptors	7	7 %
Special Requirements	6	6 %
Drainage Requirements	8	8 %
Vent Requirements	9	9 %
Water Distribution	7	7 %
Plan and Analysis	23	23 %
Gas	20	20 %

Approved References: *International Plumbing Code*, 2003 Edition; and *International Fuel Gas Code*[®], 2003 Edition

EXAM ID: 822 EXAM: STANDARD JOURNEYMAN PLUMBER
One Part - Open Book - 70 Multiple-Choice Questions - 3-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Plumbing Fixtures and Terminology	4	6 %
Plumbing Fundamentals	10	14 %
Traps, Cleanouts, and Interceptors	4	6 %
Special Requirements	3	4 %
Drainage Requirements	11	16 %
Venting Requirements	11	16 %
Water Distribution	8	11 %
Plan Reading	19	27 %

Approved Reference: *International Plumbing Code*, 2003 Edition

EXAM ID: 371 EXAM: STANDARD JOURNEYMAN PLUMBER WITH GAS
One Part - Open Book - 70 Multiple-Choice Questions - 3-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Plumbing Fixtures and Terminology	3	4 %
Plumbing Fundamentals	9	13 %
Traps, Cleanouts, and Interceptors	3	4 %
Special Requirements	3	4 %
Drainage Requirements	10	14 %
Venting Requirements	10	14 %
Water Distribution	8	11 %
Miscellaneous and Repair	10	14 %
Gas	14	20 %

Approved References: *International Plumbing Code*, 2003 Edition; and *International Fuel Gas Code*[®], 2003 Edition

EXAM ID: 809 EXAM: STANDARD RESIDENTIAL PLUMBER
One Part - Open Book - 70 Multiple-Choice Questions - 3-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Administration and Definitions	4	6 %
General Requirements	4	6 %
Fixture Requirements	10	14 %
Water Requirements	10	14 %
Drainage Requirements	12	17 %
Venting Requirements	12	17 %
Plan Reading	18	26 %

Approved Reference: *International Plumbing Code*, 2003 Edition

EXAM ID: 813 EXAM: MASTER GAS PIPE FITTER
One Part - Open Book - 75 Multiple-Choice Questions - 3-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Terminology and Fundamentals	10	13 %
Theory and Principles	10	13 %
Plan Reading	10	13 %
Operating Principles	5	7 %
Materials	5	7 %
Pipe Sizing and Installation	7	9 %
Appliances	11	15 %
Vents	4	5 %
Special Requirements	5	7 %
Plan Application	8	11 %

Approved Reference: *International Fuel Gas Code*, 2003 Edition

EXAM ID: 826 EXAM: JOURNEYMAN GAS PIPE FITTER
One Part - Open Book - 50 Multiple-Choice Questions - 2-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Terminology and Fundamentals	3	6 %
Basic Theory and Principles	5	10 %
Materials	6	12 %
Appliances	12	24 %
Venting	12	24 %
Pipe Sizing and Installation	12	24 %

Approved Reference: *International Fuel Gas Code*, 2003 Edition

EXAM ID: 815 EXAM: STANDARD MASTER MECHANICAL
One Part - Open Book - 100 Multiple-Choice Questions - 4-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
HVAC Principles, Terminology, Administration, and Safety	16	16 %
HVAC Installation Requirements	14	14 %
Venting Duct and Combustion Air	18	18 %
Gas Piping	8	8 %
HVAC Electrical	13	13 %
Boilers Duct and Electrical	11	11 %
Plan Analysis	20	20 %

Approved References: *International Fuel Gas Code*, 2003 Edition; *International Mechanical Code*[®], 2003 Edition; and *National Electrical Code*, 2005 Edition

EXAM ID: 818 EXAM: STANDARD JOURNEYMAN MECHANICAL
One Part - Open Book - 50 Multiple-Choice Questions - 3-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Workman Safety	1	2 %
Basic Heat Flow	2	4 %
Refrigeration Cycle	2	4 %
Types Of Refrigeration Systems	1	2 %
Types Of Air Flow and Distribution Systems	1	2 %
Installation Requirements — Heating	3	6 %
Installation Requirements — A.C.	1	2 %
Boilers	3	6 %
Insulation	2	4 %
Venting	3	6 %
Combustion Air	2	4 %
Gas Piping	8	16 %
Electrical	2	4 %
Ducts	3	6 %
Materials and Standards	2	4 %
Heating and Cooling Calculations	1	2 %
Mechanical Principles and Terminology	2	4 %
Plan Reading and Analysis	11	22 %

Approved References: *International Fuel Gas Code*, 2003 Edition; *International Mechanical Code*, 2003 Edition; and *National Electrical Code*, 2005 Edition

EXAM ID: 204 EXAM: STANDARD GENERAL BUILDING CONTRACTOR (A)
One Part - Open Book - 90 Multiple-Choice Questions - 4-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Footings and Foundations	16	18 %
Structural and Design	41	46 %
Nonstructural Elements	16	18 %
Plan Reading	10	11 %
Administration	7	7 %

Approved Reference: *International Building Code*, 2003 Edition.

EXAM ID: 205 EXAM: STANDARD BUILDING CONTRACTOR (B)
One Part - Open Book - 80 Multiple-Choice Questions - 4-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Footings, Foundations and Crawl Spaces	12	15 %
Building Planning	14	18 %
Floors	12	15 %
Walls	14	18 %
Roofs	12	15 %
Plan Reading	10	12 %
Administration	6	7 %

Approved References: *International Building Code*[®], 2003 Edition; and *International Residential Code*[®], 2003 Edition.

EXAM ID: 206 EXAM: STANDARD RESIDENTIAL BUILDING CONTRACTOR (C)
One Part - Open Book - 80 Multiple-Choice Questions - 4-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Footings, Foundations and Crawl Spaces	9	11 %
Building Planning	12	15 %
Masonry	6	7 %
Floors	10	13 %
Walls	11	14 %
Roofs	8	10 %
Fireplaces	6	7 %
Plan Reading	10	13 %
Administration	8	10 %

Approved Reference: *International Residential Code*, 2003 Edition

EXAM ID: 764 EXAM: ROOFING CONTRACTOR/SUBCONTRACTOR
One Part - Open Book - 60 Multiple-Choice Questions - 3-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Administration	6	10 %
General Requirements	9	15 %
Fire Classifications	6	10 %
Materials	3	5 %
Installation Of Roof Coverings	21	35 %
Roof Drainage	6	10 %
Rooftop Structures	9	15 %

Approved References: *International Building Code*, 2003 Edition; and *International Plumbing Code*, 2003 Edition

EXAM ID: 705 EXAM: STANDARD MASTER SIGN ELECTRICIAN
One Part - Open Book - 60 Multiple-Choice Questions - 3-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Basic Electricity and Wiring	14	24 %
Electrical Materials and Installation	12	20 %
Motors and Transformers	6	10 %
Outside Branch Circuits and Feeders	12	20 %
Electrical Signs and Outline Lighting	16	26 %

Approved Reference: *National Electrical Code, 2005 Edition*

EXAM ID: 706 EXAM: STANDARD JOURNEYMAN SIGN ELECTRICIAN
One Part - Open Book - 40 Multiple-Choice Questions - 3-Hour Time Limit

Major Content Area	No. of Questions	Percent of Exam
Basic Electricity and Wiring	10	25 %
Electrical Materials and Installation	12	30 %
Motors and Transformers	2	5 %
Outside Branch Circuits and Feeders	4	10 %
Electrical Signs and Outline Lighting	12	30 %

Approved Reference: *National Electrical Code, 2005 Edition*

Frequently Asked Questions

1. How do I get signed up to test?

Refer to page 3 of this bulletin before you register for an examination. Once you have read the information on page 3 of this bulletin in its entirety, you can refer to page 5 for paper-and-pencil examinations and page 7 of this bulletin for computer-based examinations. For the most up-to-date information on registration/scheduling requirements, dates, locations, fees, and references, go to www.iccsafe.org/contractor.

2. Can I sign up to test over the phone?

Yes, for computer-based testing. Telephone registration is not available for paper-and-pencil examinations.

3. If I pass an ICC examination, does that mean I am licensed to practice?

No. Passing an ICC examination is not a license to practice and does not guarantee that a license will be granted.

4. When can I test?

Computer-testing is administered frequently at over 1,000 sites across the nation. Paper-and-pencil examinations are administered on a limited basis. To get the most updated information, go to www.iccsafe.org/contractor.

5. Can I get my results over the phone?

No. Examination results are confidential and private information. ICC and the test administrator will not release/provide exam results over the telephone.

6. When will I receive my results?

Electronic exams:

Unofficial results for examinations taken electronically are available immediately after completion of the examination. Official results for electronic examinations are mailed to the examinee within five working days after the exam date.

Paper-and-pencil exams:

Results for examinations taken by paper-and-pencil are mailed within three weeks of the exam date.

7. How can I get licensed?

If you want to get licensed in a city and/or state that requires that you take and pass an ICC exam, you will need to check with that city and/or state on what other requirements they have for you to get licensed with them. ICC only does testing and is not a licensing agency.

8. What are the references for the examination?

Examination information, including approved references, is listed in this bulletin starting on page 17.

9. Do you offer any courses for the exams?

No. However, ICC does offer courses and study references on the International Codes®. The courses are not intended to serve as preparation to pass examinations, nor do they ensure you will pass an examination. The courses may allow you to increase your knowledge on code provisions and you are welcome to take them, but keep in mind that the content and instruction are not specific to contractor exams or contractor exam content.

10. Can I review my exam that I recently took?

You can review only those questions on the exam that you marked incorrectly. A review is for the purpose of completing a challenge. There is a fee for a review session. You can review an exam if you scored within 10 points of passing. The process for challenging your test results can be found on page 10 of this bulletin.

11. How often can I test?

You may test as many times as needed until you pass the exam. You must wait 10 days between each time you test. However, a licensing board may have specific retesting requirements. Before you register to take an exam again, you should contact the applicable licensing board.

12. Can I reschedule or cancel my exam?

For computer-based testing, you must contact LaserGrade at 1-800-211-2754 at least 24 hours prior to your exam date and time. For paper-and-pencil examinations, you must notify ICC in writing at least 14 days before the examination date for which you have registered. If you request to cancel or reschedule 13 or less days before the exam date you must contact ICC at 1-888-ICC-SAFE (422-7233), extension 33805. ICC will then send you the applicable form to complete. You must complete this form and submit it to ICC along with a \$15 fee. If you do not send your request in writing to ICC before the exam date, you will lose your entire exam fee and will have to submit a new application with payment.

13. Can I get a copy of my results mailed to me?

Yes, but there is a fee to get a copy of the result letter. Contact ICC at 1-888-ICC-SAFE (422-7233), extension 33805, for fee information and to receive the applicable request form to complete.

13. Are the examinations open book?

Yes, exams are open book. To get the most updated information on examinations, go to www.iccsafe.org/contractor.

14. 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.

15. What materials can I bring with me to use during the examination?

The following materials are allowed at test sites:

- Clock or watch to keep track of time
- Three No. 2 pencils (sharpened)
- Eraser
- Eyeglasses, if necessary
- Architect's scale or rule
- Magnifying glass
- Approved reference(s). Refer to approved examination references starting on page 17 of this bulletin. Photocopies of reference materials may not be used. Tabbing with loose pieces of paper or adhesive notes is not permitted. Any pencil notes are not permitted.
- Portable calculator. Calculators must be silent, battery-operated, and nonprogrammable. Calculators with alpha (letter entry) capability are not permitted. Solar-powered calculators are not recommended. Lighting conditions are such that there is usually insufficient light to power a solar calculator. Calculator malfunctions are not grounds for challenging test results or requesting additional time. Special seating is not available to accommodate solar calculators or electrical supply cords.
- Foreign-language/English dictionaries, if needed

16. 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.

17. Should I guess if I don't know the answer to a question?

There is no guessing penalty, so answer every question.

18. What is considered a passing score?

Most exams have a passing score of 70, with the exception of 75 for the Master Electrician examination. Refer to page 9 of this bulletin for specific information. To get the most updated information, go to www.iccsafe.org/contractor.

Examination requirements, fees, and references are subject to change. Please make sure that you have the most current candidate bulletin before scheduling any examinations by visiting our web address at www.iccsafe.org/contractor.

