



INTERNATIONAL
CODE
COUNCIL®

National Contractor/Trades Examination Information Bulletin

PUBLISHED August 19, 2025

This edition supersedes all previous bulletin editions

*This bulletin answers most questions raised by examination candidates. Please read it carefully.
You will find it a useful reference throughout your registration and examination process.*

International Code Council Vision

Creating safe, affordable, and sustainable buildings and communities.

International Code Council Mission

Provide the codes, tools, and resources that members rely on,
building safety professionals turn to, and manufacturers and the public trust.

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

Contents are subject to change at any time.

For the most updated information, visit the [Exam Catalog](#).

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[https://www.iccsafe.org/credentiali
ng/contractor-trades/](https://www.iccsafe.org/credentialing/contractor-trades/)

SUMMARY OF BULLETIN CHANGES

Date of Change	Section Affected	Revision
August 19, 2025	Reformatted Entire Bulletin	Reformatted Entire Bulletin

Besure to completely read this bulletin before scheduling your examination. You are responsible for following all policies and regulations found in this document. Not reading this bulletin does not release your responsibility for following these procedures.

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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.

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.

Testing Information and Frequently Asked Questions

The purpose of this bulletin is to provide you with information regarding how to schedule and take your contractor/trades examination. 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.

All candidates are required to adhere to all ICC Council Policies and ICC Credentialing rules and policies provided in the [Administrative Rules and Procedures](#).

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 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 for the test a second time.

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.

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.

When will I receive my results?

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

How do I find out examination specific information?

Visit the [Exam Catalog](#) for the following information for each exam:

- Content outline,
- Approved references,
- Open/Closed book,
- Length of exam
 - Number of items
 - Time Limit
- Passing score, and
- Link to register for the PearsonVUE exam.

How do I schedule/register for an exam?

Code Council contractor examinations are administered through PearsonVUE. Access www.pearsonvue.com/ICC for more information on the ICC examination program at PearsonVUE to include, but not limited to the ability to:

- Create an account,
- View and/or schedule an exam,
- Locate a test center,
- Purchase test vouchers, and
- Request testing accommodations.

How do I make comments about an exam I took?

To have Code Council Credentialing staff review comments or challenges on specific exams, exam items, or any issues encountered during your examination, you must submit a [Technical Challenge](#) to the Code Council.

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, Credentialing 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 a challenge, you will forfeit your challenge opportunity for that exam attempt.

How do I request a duplicate pass letter?

If you took an ICC Contractor/Trades examination at a Pearson VUE Test Center on or after January 1, 2014, please contact Pearson VUE via phone (1-877-234-6082) or chat to request a duplicate letter at no charge.

All other candidates, please visit the ICC Credentialing Candidate Requests/Forms [page](#) request a [Replacement Result Letter](#).

How do I change my name and address?

NOTE: Your ICC email address is the Pearson VUE email address used to register for an ICC Contractor/Trades examination. To update your candidate demographic information (Address, Phone Number, Email, and Legal Name), log in to your myICC account. Click [here](#) for additional information.

National Contractor/Trades Examination Information

Based on the 2014 NEC and 2015 International Codes

Please visit <https://www.iccsafe.org/credentialing/contractor-trades/> for the most up-to-date information.
Outlines are subject to change.

F11 National Standard General Building Contractor (A)		Pricing
90 multiple-choice questions		Pearson VUE: \$115
Open book – 4-hour time limit		
Content Area	%	Reference
Administration General Regulations	15%	2015 <i>International Building Code</i> ®
Administration		<i>Concrete Manual: Based on the 2021 IBC and ACI 318-19</i>
Code Definitions and Terms		OR
Plan Reading		<i>Concrete Manual: Based on the 2015 IBC and ACI 318-14</i>
Building Planning and Life Safety	25%	
Use & Occupancy & Types of Construction		
Fire and Smoke Alarms and Fire Protection		
Occupancy Needs and Interior Environment		
Exiting & Means of Egress		
Accessibility		
Structural Systems	45%	
Footings and Foundations		
Concrete		
Floors		
Wall Framing and Stairs		
Roof Ceiling Construction Roof Assembly		
Masonry		
Building Envelope	15%	
Interior Finishes		
Glass and Glazing		
Exterior Finishes and Roof Coverings		

F12 National Standard General Building Contractor (B)**Pricing****80 multiple-choice questions****PearsonVUE: \$115****Open book – 4-hour time limit**

Content Area	%	Reference
Permits and General Regulations	21%	2015 <i>International Building Code®</i>
Regulations and Job Planning		2015 <i>International Residential Code</i>
Code Definitions and Terms		<i>Concrete Manual: Based on the 2021 IBC and ACI 318-19</i> OR
Building Planning and Life Safety		<i>Concrete Manual: Based on the 2015 IBC and ACI 318-14</i>
Use & Occupancy & Types of Construction	30%	
Fire & Smoke Alarms & Fire Protect Sys		
Exiting & Means of Egress		
Accessibility		
Structural Systems		
Footings and Foundations	41%	
Concrete		
Floors		
Wall Framing and Stairs		
Roof Ceiling Construction Roof Assembly		
Masonry		
Building Envelope		
Interior Finishes	8%	
Glass and Glazing		
Exterior Finishes and Roof Coverings		

F13 National Standard Residential Building Contractor (C)**80 multiple-choice questions****Open book – 4-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
Permits and General Regulations	21%	2015 <i>International Residential Code</i> ®
Regulations and Job Planning		
Code Definitions and Terms		
Building Safety and Life Planning	16%	
Fire & Smoke Alarms & Fire Protection Sys		
Occupancy Needs & Interior Environment		
Exiting & Means of Egress		
Structural Systems	50%	
Footings and Foundations		
Concrete		
Floors		
Wall Framing and Stairs		
Roof Ceiling Construction Roof Assembly		
Masonry		
Building Envelope	13%	
Interior Finishes		
Glass and Glazing		
Exterior Finishes and Roof Coverings		

F14 National Standard Roofing Contractor/Subcontractor**60 multiple-choice questions****Open book – 3-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
General Administration	5%	2015 <i>International Building Code</i> ® 2015 <i>International Plumbing Code</i>
Permits	6%	
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%	

F15 National Standard Shingle Roofing 40 multiple-choice questions Open book – 2-hour time limit			Pricing PearsonVUE: \$115
Content Area	%	Reference	
Job Planning and Setup	18%	2015 <i>International Building Code</i> ®	
Types of Roofing Material and Applications	23%	2015 <i>International Residential Code</i>	
Fasteners, Flashings, Scuppers, Etc.	32%		
Re-roofing	27%		

F16 Master Electrician 100 multiple-choice questions Open book – 5-hour time limit			Pricing PearsonVUE: \$115
Content Area	%	Reference	
General Knowledge Electrical Theory and General Electrical Load Calculations Code Definitions and Terms Plan Reading	12%	2014 <i>National Electrical Code</i>	
Services and Service Equipment Services and Fault Current Service Load Calculations Service Equipment & Service Conductors Transformers System Grounding and Bonding Temporary Service Wiring	16%	Ugly's Electrical References (any edition)	
Feeders Load Calculations Equipment Grounding	4%		
Branch Circuits and Conductors Branch Circuit Calculation Overcurrent Protection Conductors Required Outlets & GFCI / AFCI Protection Equipment Grounding	16%		
Wiring Methods and Materials Raceway Installations Underground Wiring Methods Boxes and Enclosures Cabinets Panel Boards & Switchboards Clearance and Guarding Flexible Cords and Cables	19%		
Equipment and Devices Luminaires, Receptacles, Switches and Other Devices Appliances and Other Equipment Other Utilization Equipment Heating and Cooling Equipment	10%		
Control Devices Switches, Disconnects and Controllers	3%		
Motors and Generators Motors Generators	8%		
Special Occupancies, Equipment, and Conditions Special Occupancies, Swimming Pools and Similar Installations Mobile Home and RV Parks Data Processing Equipment Miscellaneous Special Equipment Emergency Systems Signaling and Fire Alarm Systems	12%		

F17 National Standard Journeyman Electrician 80 multiple-choice questions Open book – 4-hour time limit			Pricing PearsonVUE: \$115
Content Area	%	Reference	
General Knowledge	6%	2014 <i>National Electrical Code</i>	
Services and Service Equipment	11%	Ugly's Electrical References (any edition)	
Feeders	4%		
Branch Circuits and Conductors	19%		
Wiring Methods and Materials	26%		
Equipment and Devices	13%		
Control Devices	4%		
Motors and Generators	6%		
Special Occupancies, Equipment, and Conditions	11%		

F18 National Standard Residential Electrician 60 multiple-choice questions Open book – 3-hour time limit			Pricing PearsonVUE: \$115
Content Area	%	Reference	
General Knowledge	12%	2014 <i>National Electrical Code</i>	
Services and Service Equipment	22%	Ugly's Electrical References (any edition)	
Feeders	13%		
Branch Circuits and Conductors	25%		
Wiring Methods and Materials	13%		
Equipment and Devices	8%		
Special Occupancies, Equipment, and Conditions	7%		

F19 National Standard Maintenance Electrician 60 multiple-choice questions Open book – 3-hour time limit			Pricing PearsonVUE: \$115
Content Area	%	Reference	
General Knowledge and Calculations	10%	2014 <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	9%		

Content Area	%	Reference
Administration General Regulations	46%	2015 <i>International Plumbing Code</i> ®
General Installation Requirements		
Code Definitions and Terms		
Plan Reading		
Testing		
Materials		
Plumbing Fixtures	14%	
Water Heaters		
Water Closets and Urinals		
Specialty Fixtures		
Bathtubs, Showers, Sinks, and Lavatories		
Water Supply and Distribution	11%	
Service Distribution and Piping		
Water Supply and Pressure		
Protection of Potable Water Supply		
Sanitary Drainage	11%	
Building Sanitary Drainage		
Sumps and Ejectors		
Indirect and Special Waste Systems		
Plumbing Vent Requirements	8%	
Vent Connections and Grades		
Vent Terminals		
Traps, Interceptors, and Separators	8%	
Installation of Traps		
Interceptors and Separators		
Storm Drainage	2%	
Storm Drainage		

F25 National Standard Journeyman Plumber**70 multiple-choice questions****Open book – 3-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
Administration General Regulations	40%	2015 <i>International Plumbing Code</i> ®
General Installation Requirements		
Code Definitions and Terms		
Plan Reading		
Testing		
Materials		
Plumbing Fixtures	17%	
Water Heaters		
Water Closets and Urinals		
Specialty Fixtures		
Bathtubs, Showers, Sinks, and Lavatories		
Water Supply and Distribution	14%	
Service Distribution and Piping		
Water Supply and Pressure		
Protection of Potable Water Supply		
Sanitary Drainage	13%	
Building Sanitary Drainage		
Sumps and Ejectors		
Indirect and Special Waste Systems		
Plumbing Vent Requirements	7%	
Vent Connections and Grades		
Vent Terminals		
Traps, Interceptors, and Separators	7%	
Installation of Traps		
Interceptors and Separators		
Storm Drainage	2%	
Storm Drainage		

F27 National Standard Master Plumber with Gas**80 multiple-choice questions****Open book – 4-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
Administration	4%	2015 <i>International Fuel Gas Code</i> 2015 <i>International Plumbing Code</i>
General Regulations	8%	
Fixtures	5%	
Water Heaters	4%	
Water Supply & Distributions	11%	
Sanitary Drainage	9%	
Vents	13%	
Traps, Interceptors, & Separators	4%	
Storm Drainage	2%	
Plan Reading	21%	
Gas	19%	

F28 National Standard Journeyman Plumber with Gas**70 multiple-choice questions****Open book – 3-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
Plumbing Fixtures and Terminology	4%	2015 <i>International Fuel Gas Code</i> 2015 <i>International Plumbing Code</i>
Plumbing Fundamentals	14%	
Traps, Cleanouts, and Interceptors	4%	
Special Requirements	4%	
Drainage Requirements	1%	
Venting Requirements	14%	
Water Distribution	12%	
Plan Reading	14%	
Gas	20%	

F29 National Standard Master Mechanical**100 multiple-choice questions****Open book – 4-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
General Requirements	33%	2015 <i>International Mechanical Code</i> 2015 <i>International Fuel Gas Code</i> 2014 <i>National Electrical Code (NEC)</i>
Appliances and Equipment	10%	
Exhaust and Ventilation Systems	8%	
Duct Systems	12%	
Chimneys and Vents	7%	
Fuel Supply Systems	7%	
Special Requirements	4%	
Electrical	9%	
Water	2%	

F31 National Standard Journeyman Mechanical
50 multiple-choice questions
Open book – 3-hour time limit

Pricing
PearsonVUE: \$115

Content Area	%	Reference
General Requirements	46%	2015 <i>International Mechanical Code</i>
Appliances and Equipment	14%	2015 <i>International Fuel Gas Code</i>
Exhaust and Ventilation Systems	2%	2014 <i>National Electrical Code</i>
Duct Systems	14%	
Combustion Air	6%	
Chimneys and Vents	6%	
Fuel Supply Systems	2%	
Special Requirements	6%	
Electrical	4%	

F32 National Standard Residential Mechanical - Class C
70 multiple-choice questions
Open book – 3-hour time limit

Pricing
PearsonVUE: \$115

Content Area	%	Reference
General Requirements	46%	2015 <i>International Residential Code</i>
Appliances and Equipment	14%	
Duct Systems	2%	
Combustion Air	14%	
Chimneys and Vents	6%	
Fuel Supply Systems	6%	

F33 National Standard Master Gas Pipe Fitter
75 multiple-choice questions
Open book – 3-hour time limit

Pricing
PearsonVUE: \$115

Content Area	%	Reference
General Requirements	39%	2015 <i>International Fuel Gas Code</i>
Appliances and Equipment	13%	
Fuel Supply Systems	17%	
Combustion Air	12%	
Chimneys and Vents	13%	
Special Requirements	6%	

F34 National Standard Journeyman Gas Pipe Fitter**55 multiple-choice questions****Open book – 2-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
General Requirements	28%	2015 <i>International Fuel Gas Code</i>
Appliances and Equipment	20%	
Fuel Supply Systems	22%	
Combustion Air	10%	
Chimneys and Vents	22%	
Special Requirements	8%	

F35 Class DF Fire Suppression Installation Contractor**60 multiple-choice questions****Open book – 2-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
Inspection	15%	2015 <i>International Building Code</i>
Emergency Impairment	5%	2015 <i>International Fire Code</i>
Piping Systems	20%	2013 NFPA 13
Water Supply	10%	2013 NFPA 13D
Fire Pumps	10%	2013 NFPA 14, 20
Special Systems	20%	2014 NFPA 25
Accepting Systems	20%	

F46 National Standard Framing Contractor**50 multiple-choice questions****Open book – 2-hour 30-minute time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
General Requirements, Code Definitions and Terms	26%	2015 <i>International Building Code</i>
Foundations, Floor Framing and Floor Load Design	22%	2015 <i>International Fire Code</i>
Wall Framing, Load Bearing, General Framing	32%	
Roof Framing and Roof Load Design	20%	

F49 Electrical Contractor**80 multiple-choice questions****Open book – 3-hour 30-minute time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
General Requirements	10%	2014 <i>National Electrical Code (NEC)</i>
Services	17%	
Branch Circuit and Feeder Calculations	19%	
Wiring Methods and Distribution Systems	19%	
General Use Equipment	12%	
Special Occupancies	9%	
Special Equipment	7%	
Special Systems	7%	

National Contractor/Trades Examination Information

Based on the 2017 NEC and 2018 International Codes

Please visit www.iccsafe.org/contractor for the most up-to-date information. Outlines are subject to change.

G11 General Building Contractor (A) 90 multiple-choice questions Open book – 4-hour time limit			Pricing PearsonVUE: \$115
Content Area	%	Reference	
Permits and General Regulations Regulations and Job Planning Code Definitions and Terms	19%	2018 <i>International Building Code®</i> <i>Concrete Manual: Based on the 2021 IBC and ACI 318-19</i> OR <i>Concrete Manual: Based on the 2015 IBC or ACI 318-14</i>	
Building Planning and Life Safety Use & Occupancy & Types of Construction Fire & Smoke Alarms & Fire Protect Sys Occupancy Needs & Interior Environment Exiting & Means of Egress Accessibility	31%		
Structural Systems Footings and Foundations Concrete Floors Wall Framing and Stairs Roof Ceiling Construction Roof Assembly Masonry	42%		
Building Envelope Interior Finishes Glass and Glazing Exterior Finishes and Roof Coverings	8%		

G12 General Building Contractor (B) 80 multiple-choice questions Open book – 4-hour time limit		Pricing PearsonVUE: \$115
Content Area	%	Reference
Permits and General Regulations Regulations and Job Planning Code Definitions and Terms	21%	2018 <i>International Building Code®</i> 2018 <i>International Residential Code</i> <i>Concrete Manual: Based on the 2021 IBC and ACI 318-19</i> OR <i>Concrete Manual: Based on the 2015 IBC and ACI 318-14</i>
Building Planning and Life Safety Use & Occupancy & Types of Construction Fire & Smoke Alarms & Fire Protect Sys Occupancy Needs & Interior Environment Exiting & Means of Egress Accessibility	31%	
Structural Systems Footings and Foundations Concrete Floors Wall Framing and Stairs Roof Ceiling Construction Roof Assembly Masonry	42%	
Building Envelope Interior Finishes Glass and Glazing Exterior Finishes and Roof Coverings	8%	

G13 Residential Building Contractor (C) 80 multiple-choice questions Open book – 4-hour time limit		Pricing PearsonVUE: \$115
Content Area	%	Reference
Permits and General Regulations Regulations and Job Planning Code Definitions and Terms	19%	2018 <i>International Residential Code</i>
Building Planning and Life Safety Fire & Smoke Alarms & Fire Protect Sys Occupancy Needs & Interior Environment Exiting & Means of Egress	19%	
Structural Systems Footings and Foundations Concrete Floors Wall Framing and Stairs Roof Ceiling Construction Roof Assembly Masonry	50%	
Building Envelope Interior Finishes Glass and Glazing Exterior Finishes and Roof Coverings	12%	

G14 Roofing Contractor**60 multiple-choice questions****Open book – 2-hour 30-minute time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
Administration and General Requirements	28%	2018 <i>International Residential Code</i> 2018 <i>International Building Code</i> 2018 <i>International Plumbing Code</i>
Administration		
Code Definitions and Terms		
Job Planning and Setup		
Types of Roofing Material and Application	35%	
Shingle Roofing		
Flat Roof Hot Mopping and Other Membranes		
Fasteners, Flashings, Drainage, and Scuppers	28%	
Fasteners		
Flashings and Accessory Materials		
Roof Drains, Gutters, and Scupper		
Re-Roofing	12%	
Remove Roofing Materials or Add Additional Layers		
Repair Roof Structure and Roof-Ceiling Assemblies		

G15 National Standard Shingle Roofing**60 multiple-choice questions****Open book – 2-hour 30-minute time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
Job Planning and Setup	18%	2018 <i>International Building Code</i> 2018 <i>International Residential Code</i>
Types of Roofing Material and Application	23%	
Fasteners, Flashings, Scuppers, Etc.	32%	
Re-roofing	27%	

G16 Master Electrician**100 multiple-choice questions****Open book – 5-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
General Knowledge Electrical Theory and General Electrical Load Calculations, Code Definitions and Terms, Plan Reading	12%	2017 <i>National Electrical Code (NEC)</i> Ugly's Electrical Reference (any edition)
Services and Service Equipment Services and Fault Current, Service Load Calculations, Service Equipment & Service Conductors, Transformers, System Grounding and Bonding, Temporary Service Wiring	16%	
Feeders Load Calculations, Equipment Grounding	4%	
Branch Circuits and Conductors Branch Circuit Calculation, Overcurrent Protection, Conductors, Required Outlets & GFCI/ AFCI Protection, Equipment Grounding	16%	
Wiring Methods and Materials Raceway Installations, Underground Wiring Methods, Boxes and Enclosures, Cabinets, Panel boards, & Switchboards, Clearance and Guarding, Flexible Cords and Cables	19%	
Equipment and Devices Luminaires, Receptacles, Switches and Other Devices, Appliances and Other Equipment, Other Utilization Equipment, Heating and Cooling Equipment	10%	
Control Devices Switches, Disconnects and Controllers	3%	
Motors and Generators Motors, Generators	8%	
Special Occupancies, Equipment, and Conditions Special Occupancies, Swimming Pools and Similar Installations Mobile Home and RV Parks, Data Processing Equipment, Miscellaneous Special Equipment Emergency Systems, Signaling and Fire Alarm Systems	12%	

G17 Journeyman Electrician
80 multiple-choice questions
Open book – 4-hour time limit

Pricing
PearsonVUE: \$115

Content Area	%	Reference
General Knowledge Electrical Theory and General Electrical Load Calculations, Code Definitions and Terms, Plan Reading	6%	2017 <i>National Electrical Code (NEC)</i> Ugly's Electrical Reference (any edition)
Services and Service Equipment Services and Fault Current, Service Load Calculations, Service Equipment & Service Conductors, Transformers, System Grounding and Bonding, Temporary Service Wiring	11%	
Feeders Load Calculations, Equipment Grounding	4%	
Branch Circuits and Conductors Branch Circuit Calculation, Overcurrent Protection, Conductors, Required Outlets & GFCI/ AFCI Protection, Equipment Grounding	19%	
Wiring Methods and Materials Raceway Installations, Underground Wiring Methods, Boxes and Enclosures, Cabinets, Panel boards, & Switchboards, Clearance and Guarding, Flexible Cords and Cables	26%	
Equipment and Devices Luminaires, Receptacles, Switches and Other Devices, Appliances and Other Equipment, Other Utilization Equipment, Heating and Cooling Equipment	13%	
Control Devices Switches, Disconnects and Controllers	4%	
Motors and Generators Motors, Generators	6%	
Special Occupancies, Equipment, and Conditions Special Occupancies, Swimming Pools and Similar Installations Mobile Home and RV Parks, Data Processing Equipment, Miscellaneous Special Equipment Emergency Systems, Signaling and Fire Alarm Systems	11%	

G18 Residential Electrician**Pricing****60 multiple-choice questions****PearsonVUE: \$115****Open book – 3-hour time limit**

Content Area	%	Reference
General Knowledge	12%	2017 National Electrical Code (NEC) Ugly's Electrical Reference (any edition)
Electrical Theory and General Electrical Load Calculations		
Code Definitions and Terms		
Services and Service Equipment	22%	
Service Load Calculations		
Service Equipment & Service Conductors		
System Grounding and Bonding		
Feeders	13%	
Load Calculations		
Equipment Grounding		
Branch Circuits and Conductors	25%	
Branch Circuit Calculations		
Required Outlets & GFCI/ AFCI Protection		
Overcurrent Protection		
Equipment Grounding		
Conductor		
Wiring Methods and Materials	13%	
Raceway Installations		
Boxes and Enclosures		
Flexible Cords and Cables		
Equipment and Devices	8%	
Luminaires		
Receptacles, Switches and Other Devices		
Appliances and Other Equipment		
Special Occupancies, Equipment, and Conditions	7%	
Swimming Pools and Similar Installations		
Low Voltage Circuits, Alarm & Similar Systems		

G21 Low-Voltage Electrician 50 multiple-choice questions Open book – 3-hour time limit		Pricing PearsonVUE: \$115
Content Area	%	Reference
General Knowledge	24%	2017 <i>National Electrical Code (NEC)</i>
LV Remote Control & Alarm Systems	22%	Ugly's Electrical Reference (any edition)
LV Communications & Sound	36%	
LV Control Circuits	14%	
Fiber Optical	4%	

G24 Master Plumber 100 multiple-choice questions Open book – 4-hour time limit		Pricing PearsonVUE: \$115
Content Area	%	Reference
Administration General Regulations	46%	2018 <i>International Plumbing Code</i>
General Installation Requirements		
Code Definitions and Terms		
Plan Reading		
Testing		
Materials		
Plumbing Fixtures	14%	
Water Heaters		
Water Closets and Urinals		
Specialty Fixtures		
Bathtubs, Showers, Sinks, and Lavatories		
Water Supply and Distribution	11%	
Service Distribution and Piping		
Water Supply and Pressure		
Protection of Potable Water Supply		
Sanitary Drainage	11%	
Building Sanitary Drainage		
Sumps and Ejectors		
Indirect and Special Waste Systems		
Plumbing Vent Requirements	8%	
Vent Connections and Grades		
Vent Terminals		
Traps, Interceptors, and Separators	8%	
Installation of Traps		
Interceptors and Separators		
Storm Drainage	2%	
Storm Drainage		

G25 Journeyman Plumber
70 multiple-choice questions
Open book – 4-hour time limit

Pricing
PearsonVUE: \$115

Content Area	%	Reference
Administration General Regulations	40%	2018 <i>International Plumbing Code</i>
General Installation Requirements		
Code Definitions and Terms		
Plan Reading		
Testing		
Materials		
Plumbing Fixtures	17%	
Water Heaters		
Water Closets and Urinals		
Specialty Fixtures		
Water Supply and Distribution	14%	
Service Distribution and Piping		
Water Supply and Pressure		
Protection of Potable Water Supply		
Sanitary Drainage	13%	
Building Sanitary Drainage		
Sumps and Ejectors		
Indirect and Special Waste Systems		
Plumbing Vent Requirements	7%	
Vent Connections and Grades		
Vent Terminals		
Traps, Interceptors, and Separators	7%	
Installation of Traps		
Interceptors and Separators		
Storm Drainage	2%	
Storm Drainage		

G27 Master Plumber with Gas
100 multiple-choice questions
Open book – 4-hour time limit

Pricing
PearsonVUE: \$115

Content Area	%	Reference
Administration General Regulations	36%	2018 <i>International Plumbing Code</i> 2018 <i>International Fuel Gas Code</i>
General Installation Requirements		
Code Definitions and Terms		
Plan Reading		
Testing		
Materials		
Plumbing Fixtures	13%	
Water Heaters		
Water Closets and Urinals		
Specialty Fixtures		
Bathtubs, Showers, Sinks, and Lavatories		
Water Supply and Distribution	9%	
Service Distribution and Piping		
Water Supply and Pressure		
Protection of Potable Water Supply		
Sanitary Drainage	8%	
Building Sanitary Drainage		
Sumps and Ejectors		
Indirect and Special Waste Systems		
Plumbing Vent Requirements	6%	
Vent Connections and Grades		
Vent Terminals		
Traps, Interceptors, and Separators	5%	
Installation of Traps		
Interceptors and Separators		
Storm Drainage	2%	
Storm Drainage		
Gas Piping	21%	
Gas Piping for Service & Distribution Piping		
Gas Piping Requirements, Specific Appliances Equipment		
Source of Combustion Air & Duct Openings		
Fuel-burning Appliance, Vent, Connector		

Content Area	%	Reference
Administration General Regulations	34%	2018 <i>International Plumbing Code</i> 2018 <i>International Fuel Gas Code</i>
General Installation Requirements		
Code Definitions and Terms		
Plan Reading		
Testing		
Materials		
Plumbing Fixtures	11%	
Water Heaters		
Water Closets and Urinals		
Specialty Fixtures		
Bathtubs, Showers, Sinks, and Lavatories		
Water Supply and Distribution	11%	
Service Distribution and Piping		
Water Supply and Pressure		
Protection of Potable Water Supply		
Sanitary Drainage	9%	
Building Sanitary Drainage		
Sumps and Ejectors		
Indirect and Special Waste Systems		
Plumbing Vent Requirements	7%	
Vent Connections and Grades		
Vent Terminals		
Traps, Interceptors, and Separators	7%	
Installation of Traps		
Interceptors and Separators		
Storm Drainage	2%	
Storm Drainage		
Gas Piping	19%	
Gas Piping for Service & Distribution Piping		
Gas Piping Requirements, Specific Appliances Equipment		
Source of Combustion Air & Duct Openings		
Fuel-burning Appliance, Vent, Connector		

G29 Master Mechanical
100 multiple-choice questions
Open book – 4-hour time limit

Pricing
PearsonVUE: \$115

Content Area	%	Reference
Administration General Regulations	30%	2018 <i>International Mechanical Code</i> 2018 <i>International Fuel Gas Code</i>
General Installation Requirements		
Code Definitions and Terms		
Plan Reading		
Testing		
Appliances & Mechanical Equipment	27%	
Heating Equipment & Gen App Installation		
Water Heaters and Boilers		
Cooling and Refrigeration Systems		
Hydronic and Other Systems		
Exhaust and Ventilation Systems	11%	
Exhaust Fan & Product Conveying Systems		
Commercial Hoods & Kitchen Ventilation		
Duct Systems	12%	
Duct Construction, Installation & Plenums		
Smoke and Fire Dampers		
Combustion Air	6%	
Venting of Fuel Burning Appliances		
Chimneys and Vents	8%	
Venting of Fuel Burning Appliances		
Chimney and Vent Connectors		
Fuel Supply Systems	6%	
Fuel Supply Installation, Testing and Sizing		

Pricing

PearsonVUE: \$115

G33 Master Gas Pipe Fitter		Pricing
75 multiple-choice questions		PearsonVUE: \$115
Open book – 3-hour time limit		
Content Area	%	Reference
General Requirements	49%	2018 <i>International Fuel Gas Code</i>
General Installation Requirements		
Code Definitions and Terms		
Plan Reading		
Testing		
Materials		
Water Heaters	5%	
Installation of Water Heaters		
Appliances and Equipment	15%	
Requirements for Specific Appliances & Equipment		
Fuel Supply System Sizing	6%	
Service Distribution Pipe Sizing		
Combustion Air	13%	
Combustion Air Source, Size of Ducts/Openings		
Chimneys and Vents	12%	
Venting, Vent Connector, and Chimneys		

G34 National Standard Journeyman Gas Pipe Fitter**55 multiple-choice questions****Open book – 2-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
General Requirements	40%	2018 <i>International Fuel Gas Code</i>
Appliances and Equipment	24%	
Fuel Supply System Sizing	10%	
Combustion Air	12%	
Chimneys and Vents	14%	

G35 Class DF Fire Suppression Installation Contractor**60 multiple-choice questions****Open book – 2-hour time limit****Pricing****PearsonVUE: \$115**

Content Area	%	Reference
Inspection	15%	2018 <i>International Building Code</i>
Emergency Impairment	5%	2018 <i>International Fire Code</i>
Piping Systems	20%	2016 NFPA 13
Water Supply	10%	2016 NFPA 14
Fire Pumps	10%	2016 NFPA 20
Special Systems	20%	2017 NFPA 25
Accepting Systems	20%	

National Contractor/Trades Examination Information

Based on the 2020 NEC and 2018 International Codes

T16 Master Electrician		Pricing
100 multiple-choice questions		PearsonVUE: \$115
Open book – 5-hour time limit		
Content Area	%	Reference
General Knowledge Electrical Theory and General Electrical Load Calculations, Code Definitions and Terms, Plan Reading	12%	2020 <i>National Electrical Code (NEC)</i> Ugly's Electrical Reference (any edition)
Services and Service Equipment Services and Fault Current, Service Load Calculations, Service Equipment & Service Conductors, Transformers, System Grounding and Bonding, Temporary Service Wiring	16%	
Feeders Load Calculations, Equipment Grounding	4%	
Branch Circuits and Conductors Branch Circuit Calculation, Overcurrent Protection, Conductors, Required Outlets & GFCI/ AFCI Protection, Equipment Grounding	16%	
Wiring Methods and Materials Raceway Installations, Underground Wiring Methods, Boxes and Enclosures, Cabinets, Panel boards, & Switchboards, Clearance and Guarding, Flexible Cords and Cables	19%	
Equipment and Devices Luminaires, Receptacles, Switches and Other Devices, Appliances and Other Equipment, Other Utilization Equipment, Heating and Cooling Equipment	10%	
Control Devices Switches, Disconnects and Controllers	3%	
Motors and Generators Motors, Generators	8%	
Special Occupancies, Equipment, and Conditions Special Occupancies, Swimming Pools and Similar Installations Mobile Home and RV Parks, Data Processing Equipment, Miscellaneous Special Equipment Emergency Systems, Signaling and Fire Alarm Systems	12%	

T17 Journeyman Electrician**Pricing****80 multiple-choice questions****PearsonVUE: \$115****Open book – 4-hour time limit**

Content Area	%	Reference
General Knowledge Electrical Theory and General Electrical Load Calculations, Code Definitions and Terms, Plan Reading	6%	2020 <i>National Electrical Code (NEC)</i> Ugly's Electrical Reference (any edition)
Services and Service Equipment Services and Fault Current, Service Load Calculations, Service Equipment & Service Conductors, Transformers, System Grounding and Bonding, Temporary Service Wiring	11%	
Feeders Load Calculations, Equipment Grounding	4%	
Branch Circuits and Conductors Branch Circuit Calculation, Overcurrent Protection, Conductors, Required Outlets & GFCI/ AFCI Protection, Equipment Grounding	19%	
Wiring Methods and Materials Raceway Installations, Underground Wiring Methods, Boxes and Enclosures, Cabinets, Panel boards, & Switchboards, Clearance and Guarding, Flexible Cords and Cables	26%	
Equipment and Devices Luminaires, Receptacles, Switches and Other Devices, Appliances and Other Equipment, Other Utilization Equipment, Heating and Cooling Equipment	13%	
Control Devices Switches, Disconnects and Controllers	4%	
Motors and Generators Motors, Generators	6%	
Special Occupancies, Equipment, and Conditions Special Occupancies, Swimming Pools and Similar Installations Mobile Home and RV Parks, Data Processing Equipment, Miscellaneous Special Equipment Emergency Systems, Signaling and Fire Alarm Systems	11%	

T18 Residential Electrician**Pricing****60 multiple-choice questions****PearsonVUE: \$115****Open book – 3-hour time limit**

Content Area	%	Reference
General Knowledge	12%	2020 <i>National Electrical Code (NEC)</i> Ugly's Electrical Reference (any edition)
Electrical Theory and General Electrical Load Calculations		
Code Definitions and Terms		
Services and Service Equipment	22%	
Service Load Calculations		
Service Equipment & Service Conductors		
System Grounding and Bonding		
Feeders	13%	
Load Calculations		
Equipment Grounding		
Branch Circuits and Conductors	25%	
Branch Circuit Calculations		
Required Outlets & GFCI/ AFCI Protection		
Overcurrent Protection		
Equipment Grounding		
Conductor		
Wiring Methods and Materials	13%	
Raceway Installations		
Boxes and Enclosures		
Flexible Cords and Cables		
Equipment and Devices	8%	
Luminaires		
Receptacles, Switches and Other Devices		
Appliances and Other Equipment		
Special Occupancies, Equipment, and Conditions	7%	
Swimming Pools and Similar Installations		
Low Voltage Circuits, Alarm & Similar Systems		

National Contractor/Trades Examination Information

Based on the 2023 NEC and 2021 International Codes

R16 Master Electrician		Pricing
100 multiple-choice questions		PearsonVUE: \$115
Open book – 5-hour time limit		
Content Area	%	Reference
General Knowledge Electrical Theory and General Electrical Load Calculations, Code Definitions and Terms, Plan Reading	12%	2023 <i>National Electrical Code (NEC)</i> Ugly's Electrical Reference (any edition)
Services and Service Equipment Services and Fault Current, Service Load Calculations, Service Equipment & Service Conductors, Transformers, System Grounding and Bonding, Temporary Service Wiring	16%	
Feeders Load Calculations, Equipment Grounding	4%	
Branch Circuits and Conductors Branch Circuit Calculation, Overcurrent Protection, Conductors, Required Outlets & GFCI/ AFCI Protection, Equipment Grounding	16%	
Wiring Methods and Materials Raceway Installations, Underground Wiring Methods, Boxes and Enclosures, Cabinets, Panel boards, & Switchboards, Clearance and Guarding, Flexible Cords and Cables	19%	
Equipment and Devices Luminaires, Receptacles, Switches and Other Devices, Appliances and Other Equipment, Other Utilization Equipment, Heating and Cooling Equipment	10%	
Control Devices Switches, Disconnects and Controllers	3%	
Motors and Generators Motors, Generators	8%	
Special Occupancies, Equipment, and Conditions Special Occupancies, Swimming Pools and Similar Installations Mobile Home and RV Parks, Data Processing Equipment, Miscellaneous Special Equipment Emergency Systems, Signaling and Fire Alarm Systems	12%	

R17 Journeyman Electrician**Pricing****80 multiple-choice questions****PearsonVUE: \$115****Open book – 4-hour time limit**

Content Area	%	Reference
General Knowledge Electrical Theory and General Electrical Load Calculations, Code Definitions and Terms, Plan Reading	6%	2023 <i>National Electrical Code (NEC)</i> Ugly's Electrical Reference (any edition)
Services and Service Equipment Services and Fault Current, Service Load Calculations, Service Equipment & Service Conductors, Transformers, System Grounding and Bonding, Temporary Service Wiring	11%	
Feeders Load Calculations, Equipment Grounding	4%	
Branch Circuits and Conductors Branch Circuit Calculation, Overcurrent Protection, Conductors, Required Outlets & GFCI/ AFCI Protection, Equipment Grounding	19%	
Wiring Methods and Materials Raceway Installations, Underground Wiring Methods, Boxes and Enclosures, Cabinets, Panel boards, & Switchboards, Clearance and Guarding, Flexible Cords and Cables	26%	
Equipment and Devices Luminaires, Receptacles, Switches and Other Devices, Appliances and Other Equipment, Other Utilization Equipment, Heating and Cooling Equipment	13%	
Control Devices Switches, Disconnects and Controllers	4%	
Motors and Generators Motors, Generators	6%	
Special Occupancies, Equipment, and Conditions Special Occupancies, Swimming Pools and Similar Installations Mobile Home and RV Parks, Data Processing Equipment, Miscellaneous Special Equipment Emergency Systems, Signaling and Fire Alarm Systems	11%	

R18 Residential Electrician**Pricing****60 multiple-choice questions****PearsonVUE: \$115****Open book – 3-hour time limit**

Content Area	%	Reference
General Knowledge	12%	2023 <i>National Electrical Code (NEC)</i> Ugly's Electrical Reference (any edition)
Electrical Theory and General Electrical Load Calculations		
Code Definitions and Terms		
Services and Service Equipment	22%	
Service Load Calculations		
Service Equipment & Service Conductors		
System Grounding and Bonding		
Feeders	13%	
Load Calculations		
Equipment Grounding		
Branch Circuits and Conductors	25%	
Branch Circuit Calculations		
Required Outlets & GFCI/ AFCI Protection		
Overcurrent Protection		
Equipment Grounding		
Conductor		
Wiring Methods and Materials	13%	
Raceway Installations		
Boxes and Enclosures		
Flexible Cords and Cables		
Equipment and Devices	8%	
Luminaires		
Receptacles, Switches and Other Devices		
Appliances and Other Equipment		
Special Occupancies, Equipment, and Conditions	7%	
Swimming Pools and Similar Installations		
Low Voltage Circuits, Alarm & Similar Systems		