



INTERNATIONAL
CODE
COUNCIL®

2021 National Contractor/Trades Examination Information Bulletin

PUBLISHED October 12, 2026

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/credentialing/contractor-trades/>

SUMMARY OF BULLETIN CHANGES

Date of Change	Section Affected	Revision
October 12, 2026	ICC National Contractor/Trades Examination program	Candidate Examination Information Bulletins (EIBs) are now organized by Code Year to help locate the correct examination information. Bulletins are available for 2015, 2018, 2021, or 2024 Contractor/Trades examinations.
October 12, 2026	ICC National Contractor/Trades Examination program	Effective December 1, 2026: ICC National Contractor/Trades Examinations will offer two examination suites with different passing score requirements: 70% Passing Score Exams 75% Passing Score Exams The required passing score for each examination is identified in the Exam ID. Candidates should verify with their jurisdiction whether a 70% or 75% passing score is required for licensure before registering for an examination at Pearson.

Be sure 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 Pearson exam.

NOTE: For important information about Exam Day procedures, approved resources, materials, testing policies and examination rules, click [here](#).

How do I schedule/register for an exam?

Code Council contractor examinations are administered through Pearson. Access www.pearsonvue.com/ICC for more information on the ICC examination program at Pearson 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 Test Center on or after January 1, 2014, please contact Pearson 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 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

Effective December 1, 2026, ICC will offer two examination suites with different passing score requirements:

70% Passing Score Exams

75% Passing Score Exams

The required passing score for each examination is identified in the Exam ID.

Verify with your jurisdiction whether a 70% or 75% passing score is required for licensure.

[Click here for FAQs](#)

The following examinations pass at 70%

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

T11-N-70% General Building Contractor (A)		
Questions: 90 multiple-choice		Format: Open book
Time Limit: 4 hours		Price: \$120
Approved References		
• 2021 International Building Code		• Concrete Manual: Based on the 2021 IBC and ACI 318-19
Content Outline		
Content Area		Topics Covered
Permits and General Regulations	15%	• Administration and Job Planning • Code Definitions and Terms • Special Inspections • Construction Safeguards
Building Planning and Life Safety	35%	• Use and Occupancy • Types of Construction and Allowable Heights and Areas • Fire Protection Systems and Rated Assemblies • Interior Environment • Means of Egress • Accessibility
Structural Systems	35%	• Footings, Foundations, and Slabs • Floor Systems • General Framing • Roof Construction • Masonry
Building Envelope	15%	• Interior Finishes • Glass and Glazing • Exterior Finishes • Roof Coverings

T12-N-70% General Building Contractor (B)

Questions: 80 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

- 2021 International Building Code
- 2021 International Residential Code

- Concrete Manual: Based on the 2021 IBC and ACI 318-19

Content Outline

Content Area		Topics Covered
Permits and General Regulations	15%	• Administration and Job Planning • Code Definitions and Terms • Special Inspections • Construction Safeguards
Building Planning and Life Safety	35%	• Use and Occupancy • Types of Construction and Allowable Heights and Areas • Fire Protection Systems and Rated Assemblies • Interior Environment • Means of Egress • Accessibility
Structural Systems	35%	• Footings, Foundations, and Slabs • Floor Systems • General Framing • Roof Construction • Masonry
Building Envelope	15%	• Interior Finishes • Glass and Glazing • Exterior Finishes • Roof Coverings
Trade Systems	10%	• Mechanical • Electrical • Plumbing

T13-N-70% Residential Building Contractor (C)

Questions: 80 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

- 2021 International Building Code

Content Outline

Content Area		Topics Covered
Permits and General Regulations	15%	• Administration and Job Planning • Code Definitions and Terms
Building Planning and Life Safety	35%	• Use and Occupancy • Types of Construction and Allowable Heights and Areas • Fire Protection Systems and Rated Assemblies • Interior Environment • Means of Egress • Accessibility
Structural Systems	35%	• Footings, Foundations, and Slabs • Floor Systems • General Framing • Roof Construction • Masonry
Building Envelope	15%	• Interior Finishes • Glass and Glazing
Trade Systems	10%	• Mechanical • Electrical • Plumbing

T14-N-70% National Roofing Contractor/Subcontractor

Questions: 60 multiple-choice

Format: Open book

Time Limit: 3 hours

Price: \$120

Approved References

- 2021 International Building Code
- 2021 International Plumbing Code

- 2021 International Residential Code

Content Outline

Content Area		Topics Covered
Administration and General Requirements	20%	• Administration and Job Planning • 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	35%	• Fasteners • Flashings and Accessory Materials • Roof Drains, Gutters, and Scupper
Re-roofing	10%	• Remove Roofing Materials or Add Additional Layers • Repair Roof Structure and Roof-Ceiling Assemblies

T15-N-70% National Shingle Roofing Contractor

Questions: 60 multiple-choice

Format: Open book

Time Limit: 2:30 hours

Price: \$120

Approved References

- 2021 International Building Code

- 2021 International Residential Code

Content Outline

Content Area	%
Job Planning and Setup	18%
Types of Roofing Material and Application	23%
Fasteners, Flashings, Scuppers, Etc.	32%
Re-roofing	27%

T17-N-70% National Journeyman Electrician

Questions: 80 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

- 2020 National Electrical Code (NEC)

- Ugly's Electrical Reference (any edition)

Content Outline

Content Area		Topics Covered
General Knowledge	6%	• Electrical Theory and General Electrical Load Calculations • Code Definitions and Terms • Plan Reading
Services and Service Equipment	11%	• Services and Fault Current • Service Load Calculations • Service Equipment and Service Conductors • Transformers, System Grounding and Bonding, Temporary Service Wiring
Feeders	4%	• Load Calculations • Equipment Grounding
Branch Circuits and Conductors	19%	• Branch Circuit Calculation • Overcurrent Protection and Conductors • Required Outlets and GFCI/AFCI Protection • Equipment Grounding
Wiring Methods and Materials	26%	• Raceway Installation and Underground Wiring Methods • Boxes and Enclosures, Cabinets, Panel Boards, and Switchboards

		• Clearance and Guarding • Flexible Cords and Cables
Equipment and Devices	13%	• Luminaires, Receptacles, Switches, and Other Devices • Appliances and Other Utilization Equipment • Heating and Cooling Equipment
Control Devices	4%	• Switches, Disconnects, and Controllers
Motors and Generators	6%	• Motors • Generators
Special Occupancies, Equipment, and Conditions	11%	• Special Occupancies, Swimming Pools, and Similar Installations • Mobile Homes and RV Parks • Data Processing and Miscellaneous Special Equipment • Emergency, Signaling, and Fire Alarm Systems

T18-N-70% National Residential Electrician

Questions: 60 multiple-choice	Format: Open book
Time Limit: 3 hours	Price: \$120
Approved References	
• 2020 National Electrical Code (NEC)	• Ugly's Electrical Reference (any edition)
Content Outline	
Content Area	Topics Covered
General Knowledge	12% • Electrical Theory and General Electrical Load Calculations • Code Definitions and Terms
Services and Service Equipment	22% • Service Load Calculations • Service Equipment, Service Conductor • System Grounding and Bonding
Feeders	13% • Load Calculations • Equipment Grounding
Branch Circuits and Conductors	25% • Branch Circuit Calculation • Required Outlets and 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 and Similar Systems

T21-N-70% National Low-Voltage Electrician

Questions: 50 multiple-choice	Format: Open book
Time Limit: 3 hours	Price: \$120
Approved References	
• 2020 National Electrical Code (NEC)	• Ugly's Electrical Reference (any edition)
Content Outline	
Content Area	%
Administration and General Requirements	24%
Types of Roofing Material and Application	22%
Fasteners, Flashings, Drainage, and Scuppers	36%
Re-roofing	14%
Fiber	4%

T24-N-70% National Master Plumber

Questions: 100 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

- 2021 International Plumbing Code

Content Outline

Content Area		Topics Covered
Administration General Knowledge	46%	• 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, 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

T25-N-70% National Journeyman Plumber

Questions: 70 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

- 2021 International Plumbing Code

Content Outline

Content Area		Topics Covered
Administration General Regulations	40%	• 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

T27-N-70% National Master Plumber w/Gas

Questions: 100 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

• 2021 International Plumbing Code

• 2021 International Fuel Gas Code

Content Outline

Content Area		Topics Covered
Administration General Knowledge	36%	• 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, 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 and Distribution Piping • Gas Piping Requirements, Specific Appliance Equipment • Source of Combustion Air and Duct Opening • Fuel-burning Appliance, Vent, Connector

T28-N-70% National Journeyman Plumber w/Gas

Questions: 70 multiple-choice

Format: Open book

Time Limit: 3 hours

Price: \$120

Approved References

• 2021 International Plumbing Code

• 2021 International Fuel Gas Code

Content Outline

Content Area		Topics Covered
Administration General Knowledge	34%	• 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, 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	21%	• Gas Piping for Service and Distribution Piping • Gas Piping Requirements, Specific Appliances Equipment • Source of Combustion Air and Duct Openings • Fuel-burning Appliance, Vent, Connector
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T29-N-70% National Master Mechanical

Questions: 100 multiple-choice		Format: Open book
Time Limit: 4 hours		Price: \$120
Approved References		
• 2021 International Mechanical Code		• 2021 International Fuel Gas Code
Content Outline		
Content Area		Topics Covered
Administration and General Regulations	30%	• General Installation Requirements • Code Definitions and Terms • Plan Reading • Testing
Appliances and Mechanical Equipment	27%	• Heating Equipment and General Appliance Installation • Water Heaters and Boilers • Cooling and Refrigeration Systems • Hydronic and Other Systems
Exhaust and Ventilation Systems	11%	• Exhaust Fan and Product Conveying Systems • Commercial Hoods and Kitchen Ventilation
Duct Systems	12%	• Duct Construction, Installation and Plenums • Smoke and Fire Dampers
Combustion Air	6%	• Venting of Fuel Burning Appliances
Chimneys and Vents	8%	• Chimney and Vent Connectors
Fuel Supply Systems	6%	• Fuel Supply Installation, Testing, Sizing

T31-N-70% National Journeyman Mechanical

Questions: 50 multiple-choice		Format: Open book
Time Limit: 3 hours		Price: \$120
Approved References		
• 2021 International Mechanical Code		• 2021 International Fuel Gas Code
Content Outline		
Content Area		Topics Covered
Administration and General Regulations	22%	• General Installation Requirements • Plan Reading
Appliances and Mechanical Equipment	22%	• Heating Equipment and General Appliance Installation • Water Heaters and Boilers • Cooling and Refrigeration Systems • Hydronic and Other Systems
Exhaust and Ventilation Systems	14%	• Exhaust Fans and Product-Conveying Systems • Commercial Hoods and Kitchen Ventilation
Duct Systems	16%	• Duct Construction, Installation, and Plenums • Smoke and Fire Dampers
Combustion Air	8%	• Venting of Fuel-Burning Appliances
Chimneys and Vents	10%	• Chimney and Vent Connectors
Fuel Supply Systems	8%	• Fuel Supply Installation, Testing, and Sizing

T33-N-70% National Master Gas Pipe Fitter

Questions: 75 multiple-choice

Format: Open book

Time Limit: 3 hours

Price: \$120

Approved References

- 2021 International Fuel Gas Code

Content Outline

Content Area		Topics Covered
General Requirements	49%	• General Installation Requirements • Code Definitions • Plan Reading • Testing • Materials
Water Heaters	5%	• Installation of Water Heaters
Appliances and Equipment	15%	• Requirements for Specific Appliances and 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

T34-N-70% National Journeyman Gas Pipe Fitter

Questions: 55 multiple-choice

Format: Open book

Time Limit: 2 hours

Price: \$120

Approved References

- 2021 International Fuel Gas Code

Content Outline

Content Area	%
General Requirements	40%
Appliances and Equipment	24%
Fuel Supply System Sizing	10%
Combustion Air	12%
Chimneys and Vents	14%

T35-N-70% National Class DF Fire Suppression Installation Contractor

Questions: 60 multiple-choice

Format: Open book

Time Limit: 2 hours

Price: \$120

Approved References

- 2021 International Building Code
- 2019 NFPA 13
- 2019 NFPA 14
- 2019 NFPA 20
- 2020 NFPA 25
- 2021 International Fire Code

Content Outline

Content Area	%
Inspection	15%
Emergency Impairment	5%
Piping Systems	20%
Water Supply	10%
Fire Pumps	10%
Special Systems	20%
Accepting Systems	20%

T36-N-70% National Concrete Contractor

Questions: 50 multiple-choice

Format: Open book

Time Limit: 2:30 hours

Price: \$120

Approved References

- 2021 International Building Code
- CM: Based on the 2021 IBC and ACI 318-19, or
- CM: Based on the 2025 IBC and ACI 318-14

Content Outline

Content Area	%
General Trade Knowledge	22%
Reinforcement	30%
Formwork, Joints, and Embeds	22%
Concrete Placement, Protection, and Curing	26%

T46-N-70% National Framing Contractor

Questions: 50 multiple-choice

Format: Open book

Time Limit: 2:30 hours

Price: \$120

Approved References

- 2021 International Building Code
- 2021 International Residential Code

Content Outline

Content Area	%
General Trade Knowledge	26%
Foundation and Floor Framing	22%
Wall Framing	32%
Roof Framing	20%

National Contractor/Trades Examination Information

Effective December 1, 2026, ICC will offer two examination suites with different passing score requirements:

70% Passing Score Exams

75% Passing Score Exams

The required passing score for each examination is identified in the Exam ID.

Verify with your jurisdiction whether a 70% or 75% passing score is required for licensure.

[Click here for FAQs.](#)

The following examinations pass at 75%

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

T11-N-75% General Building Contractor (A)		
Questions: 90 multiple-choice		Format: Open book
Time Limit: 4 hours		Price: \$120
Approved References		
• 2021 International Building Code		• Concrete Manual: Based on the 2021 IBC and ACI 318-19
Content Outline		
Content Area		Topics Covered
Permits and General Regulations	15%	• Administration and Job Planning • Code Definitions and Terms • Special Inspections • Construction Safeguards
Building Planning and Life Safety	35%	• Use and Occupancy • Types of Construction and Allowable Heights and Areas • Fire Protection Systems and Rated Assemblies • Interior Environment • Means of Egress • Accessibility
Structural Systems	35%	• Footings, Foundations, and Slabs • Floor Systems • General Framing • Roof Construction • Masonry
Building Envelope	15%	• Interior Finishes • Glass and Glazing • Exterior Finishes • Roof Coverings

T12-N-75% General Building Contractor (B)		
Questions: 80 multiple-choice		Format: Open book
Time Limit: 4 hours		Price: \$120
Approved References		
• 2021 International Building Code • 2021 International Residential Code • Concrete Manual: Based on the 2021 IBC and ACI 318-19		
Content Outline		
Content Area		Topics Covered
Permits and General Regulations	15%	• Administration and Job Planning • Code Definitions and Terms • Special Inspections • Construction Safeguards
Building Planning and Life Safety	35%	• Use and Occupancy • Types of Construction and Allowable Heights and Areas • Fire Protection Systems and Rated Assemblies • Interior Environment • Means of Egress • Accessibility
Structural Systems	35%	• Footings, Foundations, and Slabs • Floor Systems • General Framing • Roof Construction • Masonry
Building Envelope	15%	• Interior Finishes • Glass and Glazing • Exterior Finishes • Roof Coverings
Trade Systems	10%	• Mechanical • Electrical • Plumbing

T13-N-75% Residential Building Contractor (C)		
Questions: 80 multiple-choice		Format: Open book
Time Limit: 4 hours		Price: \$120
Approved References		
• 2021 International Building Code		
Content Outline		
Content Area		Topics Covered
Permits and General Regulations	15%	• Administration and Job Planning • Code Definitions and Terms
Building Planning and Life Safety	35%	• Use and Occupancy • Types of Construction and Allowable Heights and Areas • Fire Protection Systems and Rated Assemblies • Interior Environment • Means of Egress • Accessibility
Structural Systems	35%	• Footings, Foundations, and Slabs • Floor Systems • General Framing • Roof Construction • Masonry
Building Envelope	15%	• Interior Finishes • Glass and Glazing
Trade Systems	10%	• Mechanical • Electrical • Plumbing

T14-N-75% National Roofing Contractor/Subcontractor

Questions: 60 multiple-choice

Format: Open book

Time Limit: 3 hours

Price: \$120

Approved References

- 2021 International Building Code
- 2021 International Plumbing Code

- 2021 International Residential Code

Content Outline

Content Area		Topics Covered
Administration and General Requirements	20%	• Administration and Job Planning • 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	35%	• Fasteners • Flashings and Accessory Materials • Roof Drains, Gutters, and Scupper
Re-roofing	10%	• Remove Roofing Materials or Add Additional Layers • Repair Roof Structure and Roof-Ceiling Assemblies

T15-N-75% National Shingle Roofing Contractor

Questions: 60 multiple-choice

Format: Open book

Time Limit: 2:30 hours

Price: \$120

Approved References

- 2021 International Building Code

- 2021 International Residential Code

Content Outline

Content Area	%
Job Planning and Setup	18%
Types of Roofing Material and Application	23%
Fasteners, Flashings, Scuppers, Etc.	32%
Re-roofing	27%

T16-N-75% National Master Electrician

Questions: 100 multiple-choice

Format: Open book

Time Limit: 5 hours

Price: \$120

Approved References

- 2020 National Electrical Code

- Ugly's Electrical Reference (any edition)

Content Outline

Content Area		Topics Covered
General Knowledge	12%	• Electrical Theory and General Electrical Load Calculations • Code Definitions and Terms • Plan Reading
Services and Service Equipment	16%	• Services and Fault Current • Service Load Calculations • Service Equipment and Service Conductors • Transformers, System Grounding and Bonding, Temporary Service Wiring
Feeders	4%	• Load Calculations • Equipment Grounding
Branch Circuits and Conductors	16%	• Branch Circuit Calculation • Overcurrent Protection, Conductors • Required Outlets & GFCI/AFCI Protection • Equipment Grounding
Wiring Methods and Materials	19%	• Raceway Installation, Underground Wiring Methods • Boxes and Enclosures, Cabinets, Panel Boards, and Switchboards

		• Clearance and Guarding • Flexible Cords and Cables
Equipment and Devices	10%	• Luminaires, Receptacles, Switches and Other Devices • Appliances and Other Equipment, Other Utilization Equipment • Heating and Cooling Equipment
Control Devices	3%	• Switches, Disconnects, and Controllers
Motors and Generators	8%	• Motors • Generators
Special Occupancies, Equipment, and Conditions	12%	• Special Occupancies, Swimming Pools, and Similar Installations • Mobile Homes and RV Parks • Data Processing Equipment • Miscellaneous Special Equipment • Emergency Systems, Signaling and Fire Alarm Systems

T17-N-75% National Journeyman Electrician

Questions: 80 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

• 2020 National Electrical Code (NEC)

• Ugly's Electrical Reference (any edition)

Content Outline

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

T18-N-75% National Residential Electrician		
Questions: 60 multiple-choice		Format: Open book
Time Limit: 3 hours		Price: \$120
Approved References		
• 2020 National Electrical Code (NEC)		• Ugly's Electrical Reference (any edition)
Content Outline		
Content Area		Topics Covered
General Knowledge	12%	• Electrical Theory and General Electrical Load Calculations • Code Definitions and Terms
Services and Service Equipment	22%	• Service Load Calculations • Service Equipment, Service Conductor • System Grounding and Bonding
Feeders	13%	• Load Calculations • Equipment Grounding
Branch Circuits and Conductors	25%	• Branch Circuit Calculation • Required Outlets and 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 and Similar Systems

T21-N-75% National Low-Voltage Electrician		
Questions: 50 multiple-choice		Format: Open book
Time Limit: 3 hours		Price: \$120
Approved References		
• 2020 National Electrical Code (NEC)		• Ugly's Electrical Reference (any edition)
Content Outline		
Content Area		%
Administration and General Requirements		24%
Types of Roofing Material and Application		22%
Fasteners, Flashings, Drainage, and Scuppers		36%
Re-roofing		14%
Fiber		4%

T24-N-75% National Master Plumber		
Questions: 100 multiple-choice		Format: Open book
Time Limit: 4 hours		Price: \$120
Approved References		
• 2021 International Plumbing Code		
Content Outline		
Content Area		Topics Covered
Administration General Knowledge	46%	• 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, 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

T25-N-75% National Journeyman Plumber

Questions: 70 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

- 2021 International Plumbing Code

Content Outline

Content Area		Topics Covered
Administration General Regulations	40%	• 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

T27-N-75% National Master Plumber w/Gas

Questions: 100 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

- 2021 International Plumbing Code

- 2021 International Fuel Gas Code

Content Outline

Content Area		Topics Covered
Administration General Knowledge	36%	• 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, 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 and Distribution Piping • Gas Piping Requirements, Specific Appliance Equipment • Source of Combustion Air and Duct Opening • Fuel-burning Appliance, Vent, Connector

T28-N-75% National Journeyman Plumber w/Gas

Questions: 70 multiple-choice

Format: Open book

Time Limit: 3 hours

Price: \$120

Approved References

• 2021 International Plumbing Code

• 2021 International Fuel Gas Code

Content Outline

Content Area		Topics Covered
Administration General Knowledge	34%	• 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, 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	21%	• Gas Piping for Service and Distribution Piping • Gas Piping Requirements, Specific Appliances Equipment • Source of Combustion Air and Duct Openings • Fuel-burning Appliance, Vent, Connector

T29-N-75% National Master Mechanical

Questions: 100 multiple-choice

Format: Open book

Time Limit: 4 hours

Price: \$120

Approved References

• 2021 International Mechanical Code

• 2021 International Fuel Gas Code

Content Outline

Content Area		Topics Covered
Administration and General Regulations	30%	• General Installation Requirements • Code Definitions and Terms

		• Plan Reading • Testing
Appliances and Mechanical Equipment	27%	• Heating Equipment and General Appliance Installation • Water Heaters and Boilers • Cooling and Refrigeration Systems • Hydronic and Other Systems
Exhaust and Ventilation Systems	11%	• Exhaust Fan and Product Conveying Systems • Commercial Hoods and Kitchen Ventilation
Duct Systems	12%	• Duct Construction, Installation and Plenums • Smoke and Fire Dampers
Combustion Air	6%	• Venting of Fuel Burning Appliances
Chimneys and Vents	8%	• Chimney and Vent Connectors
Fuel Supply Systems	6%	• Fuel Supply Installation, Testing, Sizing

T31-N-75% National Journeyman Mechanical

Questions: 50 multiple-choice

Format: Open book

Time Limit: 3 hours

Price: \$120

Approved References

• 2021 International Mechanical Code

• 2021 International Fuel Gas Code

Content Outline

Content Area		Topics Covered
Administration and General Regulations	22%	• General Installation Requirements • Plan Reading
Appliances and Mechanical Equipment	22%	• Heating Equipment and General Appliance Installation • Water Heaters and Boilers • Cooling and Refrigeration Systems • Hydronic and Other Systems
Exhaust and Ventilation Systems	14%	• Exhaust Fans and Product-Conveying Systems • Commercial Hoods and Kitchen Ventilation
Duct Systems	16%	• Duct Construction, Installation, and Plenums • Smoke and Fire Dampers
Combustion Air	8%	• Venting of Fuel-Burning Appliances
Chimneys and Vents	10%	• Chimney and Vent Connectors
Fuel Supply Systems	8%	• Fuel Supply Installation, Testing, and Sizing

T33-N-75% National Master Gas Pipe Fitter

Questions: 75 multiple-choice

Format: Open book

Time Limit: 3 hours

Price: \$120

Approved References

• 2021 International Fuel Gas Code

Content Outline

Content Area		Topics Covered
General Requirements	49%	• General Installation Requirements • Code Definitions • Plan Reading • Testing • Materials
Water Heaters	5%	• Installation of Water Heaters
Appliances and Equipment	15%	• Requirements for Specific Appliances and 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

T34-N-75% National Journeyman Gas Pipe Fitter

Questions: 55 multiple-choice

Format: Open book

Time Limit: 2 hours

Price: \$120

Approved References

- 2021 International Fuel Gas Code

Content Outline

Content Area	%
General Requirements	40%
Appliances and Equipment	24%
Fuel Supply System Sizing	10%
Combustion Air	12%
Chimneys and Vents	14%

T35-N-75% National Class DF Fire Suppression Installation Contractor

Questions: 60 multiple-choice

Format: Open book

Time Limit: 2 hours

Price: \$120

Approved References

- 2021 International Building Code
- 2019 NFPA 13
- 2019 NFPA 14
- 2019 NFPA 20
- 2020 NFPA 25
- 2021 International Fire Code

Content Outline

Content Area	%
Inspection	15%
Emergency Impairment	5%
Piping Systems	20%
Water Supply	10%
Fire Pumps	10%
Special Systems	20%
Accepting Systems	20%

T36-N-75% National Concrete Contractor

Questions: 50 multiple-choice

Format: Open book

Time Limit: 2:30 hours

Price: \$120

Approved References

- 2021 International Building Code
- CM: Based on the 2021 IBC and ACI 318-19, or
- CM: Based on the 2025 IBC and ACI 318-14

Content Outline

Content Area	%
General Trade Knowledge	22%
Reinforcement	30%
Formwork, Joints, and Embeds	22%
Concrete Placement, Protection, and Curing	26%

T46-N-75% National Framing Contractor

Questions: 50 multiple-choice

Format: Open book

Time Limit: 2:30 hours

Price: \$120

Approved References

• 2021 International Building Code

• 2021 International Residential Code

Content Outline

Content Area	%
General Trade Knowledge	26%
Foundation and Floor Framing	22%
Wall Framing	32%
Roof Framing	20%