

PUTNAM COUNTY CONTRACTOR EXAMS-TESTING LOCATION-BREWSTER TECHNOLOGY, 16 MOUNT EBO RD. S., STE.18, BREWSTER, NY 10509

<b>ICC- National Standard Master Electrician</b>		100 multiple-choice questions Exam fee: \$100 (CBT) Open book—4-hour time limit	
<b>Content Area</b>	<b>% of Total</b>	<b>Reference</b>	<b>75% Correct to Pass</b>
General Knowledge and Plan Reading	12%	2014 <i>National Electrical Code</i>	
Services and Service Equipment	16%	<i>Ugly's Electrical References</i> (any edition)	
Feeders	4%		
Branch Circuits and Conductors	16%		
Wiring Methods and Materials	19%		
Equipment and Devices	10%		
Control Devices	3%		
Motors and Generators	8%		
Special Occupancies, Equipment, and Conditions	12%		
<b>Total</b>	<b>100%</b>		

<b>ICC-National Standard Journeyman Electrician</b>		80 multiple-choice questions Exam fee: \$100 (CBT) Open book—4-hour time limit	
<b>Content Area</b>	<b>% of Total</b>	<b>Reference</b>	<b>75% Correct to Pass</b>
General Knowledge	6%	2014 <i>National Electrical Code</i>	
Services and Service Equipment	11%	<i>Ugly's Electrical References</i> (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%		
<b>Total</b>	<b>100%</b>		

<b>ICC-Low Voltage Electrician</b>		50 multiple-choice questions Exam fee: \$100 (CBT) Open book—3-hour time limit	
<b>Content Area</b>	<b>% of Total</b>	<b>Reference</b>	<b>75% Correct to Pass</b>
General Knowledge	24%	2014 <i>National Electrical Code</i>	
Low-voltage Remote Control and Alarm System	22%	<i>Ugly's Electrical References</i> (any edition)	
Low-voltage Communication and Sound System	36%		
Low-voltage Control Circuits	14%		
Fiber Optic Cables and Raceways	4%		
<b>Total</b>	<b>100%</b>		

<b>ICC-Master Plumber with Gas</b>		100 multiple-choice questions Exam fee: \$100 (CBT) Open book—4-hour time limit	
<b>Content Area</b>	<b>% of Total</b>	<b>Approved References</b>	<b>70% Correct to Pass</b>
Plumbing Fixtures and Terminology	7%	2015 <i>International Plumbing Code</i> ®	
Plumbing Fundamentals	13%	2015 <i>International Fuel Gas Code</i> ®	
Traps, Cleanouts, and Interceptors	7%		
Special Requirements	6%		
Drainage Requirements	8%		
Vent Requirements	9%		
Water Distribution	7%		
Plan and Analysis	23%		
Gas	20%		
<b>Total</b>	<b>100%</b>		

<b>Master HVAC</b>		100 multiple-choice questions Exam fee: \$100 (CBT) Open book—4-hour time limit	
<b>Content Area</b>	<b>% of Total</b>	<b>Reference</b>	<b>70% Correct to Pass</b>
General Requirements	33%	2015 <i>International Mechanical Code</i> ®	
Appliances and Equipment—includes low and high pressure boilers	10%	2015 <i>International Fuel Gas Code</i> ®	
Exhaust and Ventilation Systems	8%	2014 <i>National Electrical Code</i>	
Duct Systems	12%	Boiler Operator's Guide Edition 4	
Combustion Air	8%		
Chimneys and Vents	7%		
Fuel Supply Systems	7%		
Special Requirements	4%		
Electrical	9%		
Water	2%		
<b>Total</b>	<b>100%</b>		

<b>Refrigeration Master</b>		75 multiple choice questions Exam fee \$100 (CBT) Open book-3.5-hour time limit	
<b>Content Area</b>	<b>% of Total</b>	<b>References</b>	<b>70% Correct to Pass</b>
Theory, Terminology, and General Requirements	15%	2015 <i>International Mechanical Code</i>	
Compressors and Types of Systems	10%	2014 <i>Modern Refrigeration and Air Conditioning</i>	
Evaporators, Condensers, and Cooling Towers	10%		
Piping Inspection and Field Testing	10%		
Air Ducts and Insulation	10%		
Electrical and Controls	20%		
Refrigerants	10%		
Operation Procedures	5%		
Maintenance and Repairs	10%		
<b>Total</b>	<b>100%</b>		

**ICC-Master Gas Pipe Fitter**

75 multiple-choice questions

Exam fee: \$100 (CBT)

Open book—3-hour time limit

<b>Content Area</b>	<b>% of Total</b>	<b>Approved References</b>	<b>70% Correct to Pass</b>
General Requirements and Plan Analysis	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%		
<b>Total</b>	<b>100%</b>		

**Master Heating**

60 multiple-choice questions

Exam fee: \$100 (CBT)

Open book—3.5-hour time limit

<b>Content Area</b>	<b>% of Total</b>	<b>Approved References</b>	<b>70% Correct to Pass</b>
General Principles	15%	2015 <i>International Mechanical Code</i>	
Air Distribution	25%	2015 <i>International Fuel Gas Code</i>	
Gas Furnaces and Piping	25%	2015 <i>International Residential Code</i>	
Piping in HVAC Systems	15%	2014 <i>Modern Refrigeration and Air Conditioning, 19th ed.</i>	
Air Conditioning	10%	<i>Low Pressure Boilers, 3rd ed.</i>	
Boilers	10%	<i>SMACNA HVAC Duct Construction and Standards, 3rd ed</i>	
<b>Total</b>	<b>100%</b>		

Exams are usually on the 3<sup>rd</sup> Saturday of each month. Your open book exam will be administered by Brewster Technology, 16 Mount Ebo Road S., **SUITE 18**, Brewster, NY 10509. [DIRECTIONS TO BREWSTER TECHNOLOGY](#). The doors to testing open 30 minutes prior to your appointment.

## Resources for Courses

### [Reference materials](#)

[IMTI](#) Contact: Janice Shannon  
(203) 753-7910

Al Schimanski  
[aldenphac@aol.com](mailto:aldenphac@aol.com)  
(863) 604-5426

### **On-line Training Courses**

[Plumbing/Mechanical Board Exams](#)

[Electrical Board Exams](#)

### **Classroom Instruction**

IMTI- [Plumbing/Mechanical Board Exams](#)

Al Schimanski- Plumbing/ Mechanical Board Exams

### **Electrical Board Exams**

[IMTI](#)

[NY Electrical Inspection Services](#)

[Statewide Inspection Services Inc.](#)

[Alternative Energy Solutions, LLC](#)

### **Tutoring Services**

*Plumbing/Mechanical Board Exams*

Please contact:

Lou Villanova  
(845) 528-3158

Al Schimanski  
[aldenphac@aol.com](mailto:aldenphac@aol.com)  
(863) 604-5426

### **SAMPLE EXAM FORMAT**

Select to see a sample layout of your exam

[www.brewstertech.com/sample](http://www.brewstertech.com/sample)

User name: ptguest

Password: @Putnam1

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