

## **5 Steps to Obtaining Your Utah Residential Master Electrician's License**

### **Step 1. Sign up for the exam.**

**Qualifications:** Eligibility to sit for a license qualification test is determined by the State of Utah Division of Occupational and Professional Licensing. Contact the Division for detailed licensing information and eligibility requirements:

Division of Occupational & Professional Licensing  
160 East 300 South  
P. O. Box 146741  
Salt Lake City, UT 84114-6741  
(801) 530-6628  
Fax: (801) 530-6628  
<http://www.dopl.utah.gov/licensing/plumber.html>

**Registration:** The exams are administered by Thomson Prometric (f/k/a Experior). For information on your exam, contact:

Thomson Prometric, f/k/a Experior  
ATTN: UT Electrician  
1260 Energy Lane  
St. Paul, MN 55108  
(800) 882-3981  
<http://www.experioronline.com>

**Exam and License Fees:** Examination fees may be paid by cashier's check, money order, Visa or MasterCard and should be payable to Thomson Prometric. There is a \$110 fee to take this Exam. Once you pass the exam, there is an additional \$110 non-refundable license application fee made payable to DOPL.

### **Step 2. Purchase the required books for your exam.**

To find out what documents and books the State of Utah requires for this exam, follow this link to the list of documents and books on your state's exam page of our website: <http://www.constructionbook.com/contractor-license/utah/index.asp>. You must purchase these documents and books in preparation for the exam and bring them with you on testing day for the open book portions of the exam.

### **Step 3. Start studying!**

To fully prepare for your exam it is best to thoroughly study the required documents and books, as well as any recommended studying materials. The amount of preparation time needed will be different for each individual. Be sure to allow yourself enough time to fully prepare for the exam.

### **Step 4. Follow the rules.**

Candidates should bring the following items to the examination:

- Current, valid, government-issued photo ID, such as a driver's license or passport;
- Admission letter;

- Silent, battery powered or solar powered calculator. No tape-producing calculators are allowed;
- Approved reference materials.

In addition to their admission letter and valid ID, candidates should bring the following to the Practical Exam:

- Two 5-foot pieces of ½-inch EMT conduit
- One ½-inch EMT bender
- One continuity tester or multi meter
- One ½-inch conduit reamer
- One straight blade screwdriver
- One Phillips screwdriver
- One pair of long nose pliers
- One pair of side cut pliers
- One pair of wire strippers
- One hacksaw

**Step 5. Good luck on the exam!**

It is best that you arrive at the examination site at least 30 minutes prior to your scheduled exam time on the day of testing.

This exam has three parts -- Part One is the **Code Portion**, consisting of code questions. Some of these questions will require application of electrical theory and calculations. Part Two is the **Theory Portion**, which is based on the application of basic electrical theory, calculations, and general knowledge relevant to the industry. The third part is the **Practical Portion** and is a "hands on" practical examination that will test on the practical knowledge of using conduits, switching, motors and controls, transformers, troubleshooting and general knowledge. Candidates must pass all three parts to pass the examination. Beginning 08/01/06, exams will cover the 2005 Electrical Code.

The Code Portion is open-book and consists of 50 multiple-choice questions with a three-hour time limit. The exam covers the following subject areas:

<u>Subject</u>	<u>% of Portion</u>
General Knowledge	10
Raceways and Enclosures	10
Services, Feeders, and Branch Circuits	10
Overcurrent Protection	10
Conductors and Cables	14
Grounding and Bonding	10
Utilization Equipment	6
Special Occupancies	6
Special Equipment	6
Motors and Controls	6
Low Voltage and Communications Circuits	6
State Laws and Rules and Safety	6

The Theory Portion is open-book and consists of 25 questions with a 1-1/2 hour time limit. The following subject areas are covered:

<b><u>Subject</u></b>	<b><u>% of Portion</u></b>
Voltage	20
Current	20
Resistance	20
Power	20
Voltage Drop	20

The Practical Portion is closed-book and consists of 6 items with a one-hour time limit. The following subject areas are covered:

<b><u>Subject</u></b>	<b><u>% of Portion</u></b>
Wiring Projects	50
- 120 Volt Motor Wiring Project	
- Doorbell Project	
- Light Switch Project	
Material Identification	17
- Material Identification Project	
Conduit Bending	33
- Complex Bending Project	
- Simple Bending Project	