

Workforce Training and Development

Journeyman Electrician

Students enrolled in the journeyman electrician program receive a theoretical and practical background which enables them to qualify for a variety of employment opportunities. Each class is 150 hours.

TJEC101 JOURNEYMAN ELECTRICIAN I

This is the first of a four-course sequence designed to meet the requirements of the Commonwealth of Massachusetts for the Journeyman Electrician License. Massachusetts regulations for electricians and materials used in the electrical trade will be covered. Also included is use of a calculator, series circuits, parallel circuits, graphical interpretation, resistance, inductance, capacitance, batteries, plan views, elevations, detail drawings, residential and commercial plans. This course also covers mathematical operations, algebraic equations, and electrical problem-solving using algebraic solutions. Fifty percent (50%) of the class time will be devoted to the Massachusetts Electrical Code.

TJEC102 JOURNEYMAN ELECTRICIAN II

The second of a four-course sequence designed to meet the requirements of the Commonwealth of Massachusetts for the Journeyman Electrician License. This course includes applicable inductive reactance, capacitive reactance, series and parallel impedances, power, power factor, combination circuits, and three-phase circuits. Plan views are examined in detail; circuits are followed and explained with respect to practical applications to the electrical code. Fifty percent (50%) of the class time will be devoted to the Massachusetts Electrical Code.

Each Course

Length: 15 weeks

2 class meetings per week

Time: 5:00 p.m. - 10:00 p.m.

CEUs: 15.0

Cost: \$1315 (3-payment plan available) (2009-2010)

TJEC103 JOURNEYMAN ELECTRICIAN III

The third of a four-course sequence designed to meet the requirements of the Commonwealth of Massachusetts for the Journeyman Electrician License. Extensive code calculation, motor controls and motor calculations, service calculation for single and multi-family dwellings, and transformers. Also covered are Residential and Industrial Calculations to prepare you for your license.

TJEC104 JOURNEYMAN ELECTRICIAN IV

This course concludes the four-course sequence, designed to meet the requirements of the Commonwealth of Massachusetts for the Journeyman Electrician License.

Material covered in this course includes emphasis on characteristics of electrical devices, motors, generators, transformers, lighting, one-line diagrams, symbols, and system operation. Each week will be devoted to a study of the Massachusetts Electrical Code.

JOURNEYMAN ELECTRICIAN LICENSE REQUIREMENTS

Class Hours: 600 hours

On-the-job training: 8000 hours (4 years)

For exam applications or questions:

Commonwealth of Mass. Division of Registration

State Examiners of Electricians

Leverett Saltonstall Building

100 Cambridge Street - Room 1511

Boston, MA 02202

(617) 727-9931