

MOTOR CONTROL COURSE

This course covers the key aspects of the following:

- Types of motors & application
- **Basic Control Circuits:** two-wire circuits, three-wire circuits, push-button circuits, multiple push-button circuits, hand-off-auto circuits, forward-reverse interlocking circuits, sequence control circuits, time-delay start circuits, jogging circuits, multi-speed control circuits
- **Circuit layout, connections, & symbols**
- **Control Pilot Devices:** pressure switches & regulators, float switches, flow switches, limit & proximity switches, temperature switches, timing relays, solenoid valves
- **Deceleration Methods:** plugging, electric & electronic braking, dynamic & regenerative braking
- **Multi-speed Controllers**
- **Troubleshooting Techniques**

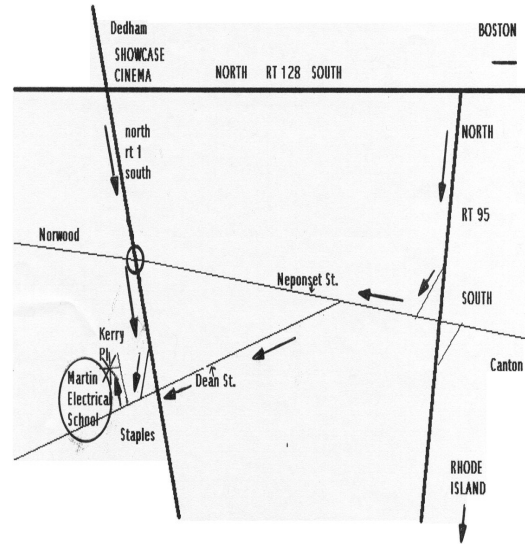
Begins September 15, 2016

**\$1050.00 (plus books)
75-hr course**

“Dedicated to providing quality technical training services to the electrical industry”

We also offer the following services:

- * **Tuition payment plans**
- * **In-house training**



ALL COURSE STARTING DATES AND TUITION FEES ARE SUBJECT TO CHANGE. PLEASE CALL TO CONFIRM

MARTIN ELECTRICAL & TECHNICAL SCHOOL

130 KERRY PLACE
NORWOOD, MA.02062

PHONE: 781-769-2376

FAX: 781-440-9555

Martinelectricalschool.org

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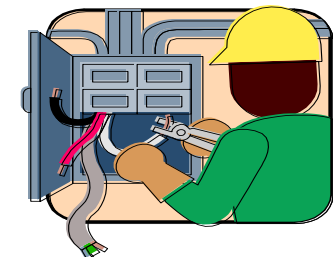
**MartinElectricalSchool.org
Norwood, Ma.**

781-769-2376

2016/2017

SCHOOL INFORMATION AND COURSE LISTING

- * **Licensed by the Comm. Of Massachusetts Department of Education**
- * **Approved by the Comm. of Massachusetts Board of State Examiners of Electricians**
- **Approved for the Training of Veterans**





Leo F. Martin
Founder



Leo F. Martin, Jr
School Director

**600 HOUR JOURNEYMAN ELECTRICIAN
CERTIFICATE COURSE**

This course is intended for the beginner who has no formal training in electrical theory or code. The course covers the different concepts relating to electrical theory and code and provides many practical examples of common tasks the electrician must perform. This course meets the Commonwealth of Massachusetts Board of Examiners of Electricians requirement of the completion of 600 hours of approved education in order to be eligible to sit for the Journeyman Electricians licensing Exam. *This is a four-part course,*

150-hrs each

J-1 Monday	5pm—10pm	34 weeks
J-2 Tuesday	5pm—10pm	34 weeks
J-3 Wednesday	5pm—10pm	34 weeks
J-4 Thursday	5pm—10pm	34 weeks

Semesters begin Sept 2016 & Jan 2017

\$2100.00 (plus books) PER 150-hr course
Discounts and Payment Plan Available

**300-HOUR SYSTEM TECHNICIAN
CERTIFICATE COURSE**

This certificate course will allow system technician apprentices to complete the 300 hours of approved education required by the Commonwealth of Massachusetts Board of Examiners of Electricians in order to be eligible to sit for the system technician license examination. A systems technician license is required to work on fire alarm, security alarm systems.

This is a two part course,

150-hrs each

Semesters begin Sept 2016 & Jan 2017

\$2100.00 (plus books) PER 150-hr course
Discounts and Payment Plan Available

**JOURNEYMAN ELECTRICIANS
LICENSE EXAM PREP COURSE**

A review of the Massachusetts Electrical Code and electrical theory. This course is intended to prepare the student to take the Journeyman Electricians License exam. **The course meets Mon & Wed, 530pm—10pm 8 weeks** **Begins on the following dates:** Sept 2016 Jan 2017 April 2017 June 2017
Cost: \$750.00 Plus books

**150 HOUR MASTER ELECTRICIANS
LICENSE EXAM PREPARATION
COURSE**

This certificate course is designed for the licensed journeyman electrician who desires to sit for the Master Electricians licensing exam, it includes an in depth coverage of the National Electrical code and Massachusetts amendments, advanced electrical theory, and the Business/Law manual. This course meets the Commonwealth of Massachusetts Board of Examiners of Electricians requirement of the completion of 150 hours of approved education in order to be eligible to sit for the Master Electricians licensing exam. **Classes meet:**
Tues & Thurs 530pm—10pm 19-weeks.

Begins September 2016 & January 2017

\$2100.00 (plus books)

Discounts and Payment Plan Available

**15-HOUR Mandatory Continuing Education. for
A, B, C, D LICENSE RENEWAL
APPROVED IN MA, RI, NH, ME, VT,**

This 15-hour course reviews the changes and Massachusetts amendments to the current edition of the National Electrical Code. We offer this course evenings and weekends.

Call for Dates & Tuition Fee

**Connecticut 4-hr Mandatory
Continuing Education:**

Please call for dates & Fee

**6-HOUR PROFESSIONAL
DEVELOPMENT COURSES**

NFPA 70E Safety in the Workplace

MA State Building Code for Electricians

Fire Alarm

Article 220 Load Calculations

Call for Dates & Fee

**OSHA IO-HR CONSTRUCTION
SAFETY COURSE** Required by many

Local & State jurisdictions **Call for Dates & Fee**

**BURGLAR ALARM-ACCESS
CONTROL, AUDIO SYSTEMS
75-HOUR COURSE**

This certificate course covers the key aspects of the above listed systems. It covers the applicable codes, installation procedures, and the application of common system components.

Begins September 2016

\$1050.00 plus books

**FIRE ALARM COURSE
75 HOURS**

This course covers the key aspects of the following:

- * National Electrical Code and the
- * National Fire Alarm Code,
- * The five basic fire protection goals
- * Review the most common types of fire alarm systems and the advantages and disadvantages of each.
- * Most common fire alarm system components and how each component works
- * The most common initiating and notification devices and how they work
- * Proper location of initiating & notification devices

Begins January 2017

\$1050.00 plus books

Please see the other side