

STATE OF CONNECTICUT

DEPARTMENT OF CONSUMER PROTECTION
OCCUPATIONAL & PROFESSIONAL LICENSING DIVISION
165 Capitol Avenue, Room 110, Hartford, Connecticut 06106
Telephone: (860) 713-6135 Fax: (860) 713-7230

APPLICATION FOR OCCUPATIONAL TRADES EDUCATION FOR CONTINUING EDUCATION PROVIDERS

(Regulation 20-334d-1 thru 20-334 (j))

ALL SUBMITTALS MUST BE SUBMITTED NO LATER THAN SEPTEMBER 19, 2014

Please check one: Course Renewal: New Course: (Formal filing required every year)

School Name: _____

Address: _____

Telephone: _____ Facsimile No: _____

Contact Name(s): _____

Email Address: _____

Course Name: _____

Classroom Hours: _____ License Types Covered: _____

Date(s) of Course: _____ Location of Course: _____

The application for each course must include, but not be limited to, the following:

		Yes	Commission Use Only
1	Detailed course outline/syllabus	<input type="checkbox"/>	
2	Copy of text and/or related teaching materials	<input type="checkbox"/>	
3	Copy of certificates to be issued **	<input type="checkbox"/>	
4	Copy of all proposed advertising and publicity	<input type="checkbox"/>	
5	Names, addresses, and qualifications or resumes of all instructors to be used	<input type="checkbox"/>	
6	Policy regarding tuition, related costs, cancellation and refund	<input type="checkbox"/>	
7	Locations of all classrooms	<input type="checkbox"/>	
8	Fire Marshal form for each classroom location	<input type="checkbox"/>	

Remarks: _____

Name(s) of Authorized School Representative: _____

Signature of Authorized School Representative

Date

* Licensing course approval shall be effective one license renewal period or portion thereof pertaining to such occupational trade area. New formal course filing must be made for each renewal.

** Certificates to students shall be on official school stationery showing: school name, school code, name of licensee, number and type, name of course, classroom hours, and signature of the school official. Data of such shall be transmitted to collection vendor.

INSTRUCTIONS TO “PROVIDERS” OFFERING

CONTINUING EDUCATION FOR ELECTRICIANS

“2015 LICENSE RENEWAL YEAR”

LICENSE TYPES: E-1, E-2, E-9, C-5, C-6, C-7, C-8, L-5, L-6, T-1, T-2, PV-1 and PV-2

1. Each provider is required to submit 4 individual copies of their curriculum, each in a 3 ring properly and orderly indexed/tabbed binder to the Commissioner of Consumer Protection and the Electrical Work Examining Board for review and approval.
2. All “Providers” intending to offer these classes must have their complete submittal submitted to the Electrical Work Examining Board no later than **September 19, 2014**.
3. Each binder shall be indexed/tabbed in the following order and contain the appropriate material in that indexed/tabbed section. **Any submission not conforming to the above requirement of being submitted in a “3 ring properly and orderly indexed/tabbed binder”, will be automatically rejected.**
 - Application (must be completely filled out)
 - Certificates of Insurance
 - CT Sales Tax Certificate (Form OR-138)
 - School Status (Proof of private, public, trade union or trade association)
 - Experience (Proof of educational training experience in trade)
 - Certificates (Copy of certificates to be issued to attendees – must indicate **2015** **Renewal Year**)
 - Fire Marshall Certificate (Indicating acceptable use of each facility)
 - Advertisements (Copy of all advertisement to be used)
 - Policies (Copy of school policies for tuition, related costs, cancellations/refunds)
 - Offerings (Dates, hours and locations of all classes)
 - Instructors (Names, addresses, license numbers and qualifications of all instructors that will be teaching. Any changes to the instructor list must be submitted for additional approval.)
 - References (List of all reference materials to be used)
 - Copyrights (Copyright approvals for any copyright material to be used)
 - Teaching aids (Copy of any teaching aids such as power point etc)
 - Handout (Copy of handout that will be bound and distributed to each attendee which must include laws and standards, power point presentations, and calculations)
4. **All license holders attending classes shall be required to bring their copy of the 2011 National Electrical Code as well as a functioning calculator to class. Attendees who do not have a copy of the 2011 National Electrical Code and a functioning calculator shall not be admitted into the class.**

5. **“Providers” shall not offer any continuing education classes on the premises of any employer.**
6. “Providers” may make accommodations for those attendees with special needs or other disabilities.
7. “Providers” are required to have each attendee sign a “sign in/sign out” sheet at the beginning of each class at the end of each class and each and every time any breaks are provided for items such as lunch etc., excluding bathroom breaks. Attendance sheets are to be kept in “Providers” files for four (4) years with other continued education documents for future reference.
8. **Certificates of course completion shall not be distributed to any attendee until the very end of the class, at which time the person whom is named on the certificate must be present and have attended all of the prescribed hours of the class before the certificate is issued to such person. No certificates shall be issued to any person who is not in attendance at the end of the class.**
9. At the completion of all "approved" continuing education courses, all schools must provide PSI Examination Services an electronic file for each of their students. Such electronic file shall comply with all of the mandated fields as required by PSI and their reports. **All reports must be transmitted to PSI within 30 calendar days of each completed course. Failure to comply with this requirement, is cause for suspension of providers program by the Electrical Work Examining Board or the Department of Consumer Protection.**
10. Providers must comply with the State of Connecticut, Regulation of the Department of Consumer Protection Concerning Continuing Education for Electricians, Sec 20-334d-1.
11. Prior to holding the first class, each provider shall submit to Department of Consumer Protection a copy of the bound attendee handout book, and an electronic CD copy of their entire provider application and attendee handout book for the Departments files.
12. When all of the above conditions are meet, the provider will receive a notification letter indicating that their program has been approved. Without receipt of this notification letter, you may not hold any classes or advertise for any classes. Failure for you to comply with this or any other requirement of this program is cause for suspension of your program.

**STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC SAFETY**

*DIVISION OF FIRE, EMERGENCY & BUILDING SERVICES
OFFICE OF STATE FIRE MARSHAL*



On (date) _____, the (Town/City) _____ Office of the Fire Marshal conducted an inspection of (name of facility) _____ located at (address) _____ in the City/Town of _____ to determine the degree of compliance with the fire safety requirements of Connecticut General Statutes Chapter 541 as authorized by Section 29-305 of the statutes. This facility was evaluated as a (new/existing) _____ (occupancy classification) _____ as classified by the CONNECTICUT FIRE SAFETY CODE. As a result of this inspection, the following conditions were found:

- I. At the time of inspection, no code violations were identified. **Certificate of approval recommended.**
- II. At the time of inspection, conditions were discovered to be contrary to the minimum requirements of these codes. An acceptance plan of correction was submitted. (See attached information) **Certificate of approval recommended.**
- III. At the time of inspection, conditions were discovered to be contrary to the minimum requirements of these codes. No approved plan of correction was submitted. (See attached information) **Certificate of approval NOT recommended.**
- IV. Based on the extreme hazard to the public safety discovered at the time of this inspection, this office is currently seeking an injunction from the court through our Town/City Attorney for the purpose of closing or restricting usage of this facility by the public. (See attached information) **Certificate of approval NOT recommended.**

Fire Marshal

Date

City or Town

Please Note: A fire marshal inspection is valid for one year from the date of the last inspection.

STATE OF CONNECTICUT

DEPARTMENT OF CONSUMER PROTECTION OCCUPATIONAL & PROFESSIONAL LICENSING DIVISION

EVALUATION FORM FOR ELECTRICAL CONTINUING EDUCATION COURSE

(To be filled out by the student and mailed to the address below)

Date: _____ Student Email Address: _____ Phone: _____

Student Name: _____

School Name: _____ Course Name: _____

Location of Class: _____ Time: _____ Date: _____

The Occupational & Professional Licensing Division of Connecticut requests that each instructor be evaluated by the students at the end of the course. Please rate your instructor and course on a scale of one to four in the following categories. Circle your choice.

INSTRUCTOR / FACILITY	POOR	FAIR	GOOD	VERY GOOD
1. Started and ended class on time	1	2	3	4
2. Instructor's delivery of subject matter	1	2	3	4
3. Level of preparation for the class	1	2	3	4
4. Knowledge of the subject	1	2	3	4
5. Ability to answer questions	1	2	3	4
6. Rapport with the class	1	2	3	4
7. Made learning enjoyable	1	2	3	4
8. Enthusiasm	1	2	3	4
9. Depth of coverage	1	2	3	4
10. Taught the course as it was advertised	1	2	3	4
11. Gave me information that will benefit	1	2	3	4
12. Overall evaluation of the Instructor	1	2	3	4
13. Registration process	1	2	3	4
14. Staff handled in a professional manner	1	2	3	4
15. Materials (handouts)	1	2	3	4
16. Course content	1	2	3	4
17. Overall evaluation of the course	1	2	3	4
18. Accommodations of Facility	1	2	3	4

Comments: _____

Mail to: Department of Consumer Protection
Occupational & Professional Licensing Division
Richard M. Hurlburt, Director
165 Capitol Avenue
Hartford, Connecticut 06106 (860) 713-6135

2015 Continuing Education for Electricians

(FOR ALL ELECTRICAL LICENSE HOLDERS)

PART I – Connecticut General Statutes and Safety (1/2 HOUR Instructional Time)

Connecticut General Statutes:

(Include the following Connecticut General Statutes in all course handouts to attendees and make reference to them for attendee's future use and reference)

- **Sec 20-340 Exemptions from licensing requirements**
- **Sec 20-332-15a Employment of apprentices**
- **Sec 20-332-15-a(f) How to register an apprentice**
- **Sec 20-332-16 Prohibited acts. Records. Lettering**
- **Sec 20-335 License fee. Continuing education requirements. Expiration and renewal**
- **20-338a Work required to be performed by licensed persons**
- **Sec 20-338b Building permit applications. Who may sign**
- **Sec 20-338c Work not to commence until permit is obtained**
- **Sec 20-340 Exemptions from licensing requirements**
- **Sec 20-341 Penalties for violations**

Safety:

Referencing NFPA 70E, and the appropriate charts for categorizing Hazards/Risk [Table 130.7(C)(15)(a)] and the appropriate Protective Clothing and PPE [Table 130.7(C)(16)], explain and discuss how to read and apply these tables to various job conditions.

**(FOR E1, E2 & E9 ELECTRICAL LICENSE HOLDERS ONLY)
(PARTS II and III)**

**PART II – 2011 NEC CODE CHANGES – CHAPTERS 5 -8 (2-1/2 HOURS
Instructional Time)**

- Review and compare critical changes in these chapters as they relate to the 2005, 2008 and 2011 National Electrical Code.
- Apply emphasis on the following articles:
 - o Article 517: Health Care Facilities
 - o Article 680: Swimming Pools, Fountains and Similar Installations
 - o Article 690: Solar Photovoltaic (PV) Systems
 - o Article 705: Interconnected Electric Power Production Sources

**PART III – CHAPTER 9 TABLES /CALCULATIONS
(1 HOUR Instructional Time)**

- Review the Tables in Chapter 9 with emphasis on Table 1 and the “NOTES TO THE TABLES”
- Include in the review of Chapter 9, and perform with class participation the following questions/calculations (which need to be part of the course handout booklet). The remaining questions are for attendees practice and use outside of this class.

FOR CLASSROOM PARTICIPATION

**1. How many #6 XHHW conductors are permitted to be installed in a 2”
Liquidtight flexible metal conduit?**

(A) 18

(B) 20

(C) 22

(D) 30

2. What is the allowable percentage fill permitted for one cable in a conduit?

(A) 53%

(B) 31%

(C) 38%

(D) 40%

3. How many #14 THHN conductors can be installed in a 1' rigid metal conduit nipple?

- (A) 50 (B) 54 (C) 55 (D) 60

4. How many #500 kcmil THHN conductors are permitted to be installed in a 6" x 6" gutter?

- (A) 10 (B) 11 (C) 14 (D) 8

5. What size IMC conduit is required for the installation of all of the following conductors?

- 4 - #14 THW
- 2 - #12 RHW (*without* outer covering)
- 2 - #14 RHH (with outer covering)
- 6 - #14 THHN
- 3 - #12 stranded bare equipment grounding conductors

- (A) ¾" (B) 1" (C) 1 ¼" (D) 2"

6. If half of the permitted fill for a 2" PVC schedule 40 conduit between two cabinets located 20" apart is occupied, how many #14 THHN conductors can be added?

- (A) 50 (B) 75 (C) 100 (D) 102

7. If six #14 THW conductors (.0139 sq. inches each) and eight #8 THWN conductors (.0366 sq. inches each) are to be installed in an 18" PVC schedule 80 conduit nipple between two cabinets, what size PVC schedule 80 nipple is required ?

- (A) ½" (B) ¾" (C) 1" (D) 1 ¼"

NOTE: Only Approved Providers will be sent the answer sheet along with the method used to arrive at the correct answers.

FOR OUT OF CLASSROOM PRACTICE

1A. The maximum length a nipple is permitted to be in order to utilize the 60% cross sectional conductor fill allowance is?

- (A) 18 (B) 24 (C) 36 (D) none of these

2B. How many #12 THHN conductors are permitted to be installed in a 2" EMT conduit nipple?

- (A) 100 (B) 112 (C) 124 (D) 151

3C. How many #2/0THW conductors are permitted to be installed in a 4" x 4" wireway?

- (A) 10 (B) 12 (C) 15 (D) 18

4D. An existing 2' rigid metal conduit contains ten #8 THHN conductors, how many #8 XHHW conductors are permitted to be added to this existing raceway?

- (A) 20 (B) 23 (C) 24 (D) 28

5E. What size PVC schedule 40 conduit is required for the installation of the following conductors?

10 - #12 THW

12 - #10 TW

6 - #8 THHN

8 - #6 THWN

- (A) 1 ½" (B) 2" (C) 2 ½" (D) 3"

**(FOR C-5, C-6, C-7, C-8, L-5, L-6, T-1, T-2, PV-1 and PV-2 LICENSE
HOLDERS ONLY)**

**PART II – SPECIFIC CONTENT AREA RELATIVE TO LICENCE CLASS
(Instructional Time: 3-1/2 Hours)**

Mandatory 3.5 hours of course specific content as it relates to the specific license category of continued education credit as requested. For example, the alarm industry would offer courses related to security and fire alarms, while the network providers would offer courses specific to communications, all while referring to the 2011 National Electrical Code Book in the appropriate Chapters that effect the limited license holders.

SEND ALL SUBMITTAL INFORMATION TO:

Richard M. Hurlburt Director
Department of Consumer Protection
Occupational and Professional Licensing Division
165 Capitol Ave. Room 110
Hartford, CT. 06106
Phone: 860-713-6135
FAX: 860-713-7230
occprotrades@ct.gov
Agency Web site: www.ct.gov/dcp

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