

ELECTRICAL: RESIDENTIAL WIREMAN

Residential wiremen perform many of the same tasks as commercial inside wiremen, but are limited to residential environments such as single-family dwellings, apartment complexes and condominiums. The residential wireman installs, maintains and repairs the electrical systems in homes and other types of residential installations. CITC provides a comprehensive, two-year residential wireman curriculum that prepares workers for their “02” electrical journeyman exam.

HYBRID LEARNING PROGRAM

CITC has taken company-wide measures to help prevent the spread of the COVID-19 virus to ensure the health and safety of students, faculty, staff and the community. Due to the COVID-19 Pandemic, CITC classes will be delivered in a hybrid format with theory classes being offered virtually and small in-person labs scheduled at our facilities throughout the year. All in-person lab sessions will be scheduled to ensure students and faculty can maintain social distancing protocols during lab activities and performance testing.

Students will be required to have access to a computer or tablet device with a working camera and microphone. Additionally, all students will need to have access to a reliable internet source when classes begin in the fall. For additional information on the technical requirements for this program please contact the CITC office at (425) 454-2482.

Note: It is crucial that students have required books prior to the first class meeting. A student who does not have books by the end of the second week may be dismissed from class and charged with an absence.



APPRENTICESHIP MONTHLY WORK LOGS

Apprenticeship monthly work logs can be submitted to the apprenticeship department via email: worklogs@citcwa.org; fax: (425) 289-0085; mail to the CITC main office: 1930 116th Ave NE Bellevue, WA 98004; or placed in the Drop Box outside of CITC Facilities.

NCCERCONNECT 2.0 WITH PEARSON eTEXT ACCESS CARD

NCCERConnect 2.0 is an online training program that enhances student learning with a range of visual, auditory, and interactive elements. Your Pearson eText Access Card will give you access to an eBook version of the textbook included in the package.



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RESIDENTIAL WIREMAN LEVEL 1

Minimum: 201 hours per year

RESIDENTIAL WIREMAN 101: FALL QUARTER

Students will begin with an orientation for the electrical trade, jobsite safety, extensive electrical mathematics, an introduction to electrical circuits, basic electrical theory (Ohms Law, various circuits) and will begin using the National Electrical Code (NEC) and Washington State rules (RCW/WAC). Schedule for lab dates will be handed out the first night of class each quarter.

RESIDENTIAL WIREMAN 102: WINTER QUARTER

Students continue extensive use of the NEC and RCW/WAC's, learn how to install various device boxes, how to bend small diameter conduit, and types and uses of raceways and fittings.

RESIDENTIAL WIREMAN 103: SPRING QUARTER

Students learn about the NEC requirements for conductors and cables, begin using basic electrical drawings, review code and installation requirements for residential electrical service, and learn to use multiple pieces of electrical test equipment. Students will review RCW 19.28 and WAC 29-46B, jobsite safety practices and standards. Includes OSHA 10 Training.

REQUIRED BOOKS - RESIDENTIAL WIREMAN LEVEL 1	
It is the student's responsibility to have the following book(s) on the first night of class:	
NCCER Core Curriculum Package - includes the following: <ul style="list-style-type: none"> • Core Curriculum Trainee Guide, 5th Edition • Core Curriculum Trainee Guide, 5th Edition, NCCERConnect 2.0 with Pearson eText Access Card 	ISBN: 9780134391922
NCCER Electrical Level 1 Package: <ul style="list-style-type: none"> • Electrical Level 1 Trainee Guide, 9th Edition • Electrical Level 1 Trainee Guide, 9th Edition, NCCERConnect 2.0 with Pearson eText Access Card 	ISBN: 9780134820699
Delmar's Standard Textbook of Electricity, 6th Edition, Hardcover <i>or</i> Delmar's Standard Textbook of Electricity, 6th Edition, Kindle Edition	ISBN: 9781285852706
2020 National Electric Code (NEC)	ISBN: 9781455922970
Washington State Electrical RCW/WACs	Free download available through L&I



All first year classes include
OSHA 10 for Construction



RESIDENTIAL WIREMAN LEVEL 2

Minimum: 201 hours per year

RESIDENTIAL WIREMAN 201: FALL QUARTER

Students will complete a review of math concepts and code from the previous year, then complete NCCER Modules (with related NEC articles and RCW/WAC rules) for: Alternating Current; Motors: Theory and Application; and Electric Lighting. Schedule for lab dates will be handed out the first night of class each quarter.

RESIDENTIAL WIREMAN 202: WINTER QUARTER

Students will complete NCCER Modules (with related NEC articles and RCW/WAC rules) for: Conduit Bending; Pull and Junction Boxes; Conductor Installations; and Cable Trays.

RESIDENTIAL WIREMAN 203: SPRING QUARTER

Students will complete NCCER Modules (with related NEC articles and RCW/WAC rules) for: Conductor Terminations and Splices; Grounding and Bonding; Circuit Breakers and Fuses; and Control Systems – Fundamental Concepts. Also included is a review of green building best practices and alternative energy sources.

REQUIRED BOOKS - RESIDENTIAL WIREMAN LEVEL 2	
It is the student's responsibility to have the following book(s) on the first night of class:	
NCCER Electrical Level 2 Package: • Electrical Level 2 Trainee Guide, 9th Edition • Electrical Level 2 Trainee Guide, 9th Edition, NCCERConnect 2.0 with Pearson eText Access Card	ISBN: 9780134820675
Your Role in the Green Environment, 4th Edition, Paperback <i>or</i> Your Role in the Green Environment, 4th Edition, Adobe Reader	ISBN: 9780136701200 ISBN: 9780136639282
Delmar's Standard Textbook of Electricity, 6th Edition, Hardcover <i>or</i> Delmar's Standard Textbook of Electricity, 6th Edition, Kindle Edition	ISBN: 9781285852706
Soares Book on Grounding and Bonding, 13th Edition, Paperback <i>or</i> Soares Book on Grounding and Bonding, 13th Edition, Kindle Edition	ISBN: 9781890659738
2017 National Electric Code (NEC)	ISBN: 9781455912773
Washington State Electrical RCW/WACs	Free download available through L&I

Electrical: Residential Wireman Instructors

As a part of our dedication and commitment to training, we take pride in delivering top quality instructors. CITC's instructors are highly skilled journey-level workers who bring their knowledge and years of trade experience into the classroom. All CITC instructors have been certified certification by the National Center for Construction Education and Research.

Sinjin Anterola started in the trade in 1996 and joined the CITC faculty in 2016.

Jeffrey Ault started in the trade in 1996 and joined the CITC faculty in 2016.

Fred Bedell started in the trade in 1984 and became a CITC faculty member in 2015.

Justin Boley is a graduate of CITC. Justin started in the trades in 2005. In 2010 became a CITC Apprentice and was the Commercial Electrical student of the year in 2013. Justin became a CITC faculty member in 2019.

Eric Boston is a graduate of CITC. Eric started in the trades in 2006. Justin became a CITC faculty member in 2019.

Tom Bryant started in the trade in 1993 and joined the CITC faculty in 2016.

Richard Craig started in the trade in 1982. Technical College graduate in 1984. Joined the CITC faculty in 2017. Received CITC Instructor of the Year award in 2019.

Chester Garrett started in the trade in 1966. Eleven years of teaching experience. Joined the CITC faculty in 2015.

Robert Grigoryan started in the trade 1997. Mechanical engineering graduate, 1985. Nuclear Plant Engineering graduate, 1990. Became a CITC faculty member in 2013.

Joseph Harrison started in the trade in 1999 and joined the CITC faculty in 2018.

Jerry Katona started in the trade in 1965. Graduate from North Seattle Community College in 1976 with degree in electrical theory. Admin license in 1981 and master electrician license in 2003. Joined the CITC faculty in 2017.

Steve King started in the trade in 1996. Technical College graduate 2001. Joined the CITC faculty in 2017.

Brandon Konold started in the trade in 2007. Graduated from CITC in 2011. Joined CITC the faculty 2015.

Allan Kush started in the trade in 1982 and joined the CITC faculty in 2018.

Mike Lewis started ion the trade in 2000. Apprenticeship graduate in 2005. Joined the CITC faculty in 2015.

Tom Reynolds stared in the trade in 1968. Apprenticeship graduate in 1971. Became a CITC faculty member in 2002. Received CITC Instructor of the Year award in 2019.

Jeff Shaw started in the trade in 2004 and joined the CITC faculty in 2017.

Terry Walker started in the trade in 1996 and joined the CITC faculty in 2018.

Residential Wireman Schedule & Tuition

Eastern Washington Region

RESIDENTIAL WIREMAN LEVEL 1								
Pasco	101	Fall	16 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 16 + 1 Saturday	Tuition: \$1,160
Pasco	102	Wtr	10 weeks	63 hours	Mon/Wed	5p-8p	January 4 - March 10 + 1 Saturday	Tuition: \$1,160
Pasco	103	Spr	7 weeks	51 hours	Mon/Wed	5p-8p	April 12 - May 24 + 2 Saturdays	Tuition: \$1,160
Spokane	101	Fall	16 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 16 + 1 Saturday	Tuition: \$1,160
Spokane	102	Wtr	10 weeks	63 hours	Mon/Wed	5p-8p	January 4 - March 10 + 1 Saturday	Tuition: \$1,160
Spokane	103	Spr	7 weeks	51 hours	Mon/Wed	5p-8p	April 12 - May 24 + 2 Saturdays	Tuition: \$1,160
RESIDENTIAL WIREMAN LEVEL 2								
Pasco	201	Fall	15 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 9 + 2 Saturdays	Tuition: \$1,160
Pasco	202	Wtr	9 weeks	63 hours	Mon/Wed	5p-8p	January 4 - March 3 + 2 Saturdays	Tuition: \$1,160
Pasco	203	Spr	7 weeks	51 hours	Mon/Wed	5p-8p	April 12 - May 24 + 2 Saturdays	Tuition: \$1,160
Spokane	201	Fall	15 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 9 + 2 Saturdays	Tuition: \$1,160
Spokane	202	Wtr	9 weeks	63 hours	Mon/Wed	5p-8p	January 4 - March 3 + 2 Saturdays	Tuition: \$1,160
Spokane	203	Spr	7 weeks	51 hours	Mon/Wed	5p-8p	April 12 - May 24 + 2 Saturdays	Tuition: \$1,160

Western Washington Region

RESIDENTIAL WIREMAN LEVEL 1								
Bellevue 1A	101	Fall	16 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 16 + 1 Saturday	Tuition: \$1,545
Bellevue 1A	102	Wtr	10 weeks	63 hours	Mon/Wed	5p-8p	January 4 - March 10 + 1 Saturday	Tuition: \$1,545
Bellevue 1A	103	Spr	7 weeks	51 hours	Mon/Wed	5p-8p	April 12 - May 24 + 2 Saturdays	Tuition: \$1,545
Bellevue 1B	101	Fall	15 weeks	87 hours	Tue/Thu	5p-8p	September 3 - December 10 + 1 Saturday	Tuition: \$1,545
Bellevue 1B	102	Wtr	10 weeks	63 hours	Tue/Thu	5p-8p	January 5 - March 9 + 1 Saturday	Tuition: \$1,545
Bellevue 1B	103	Spr	7 weeks	51 hours	Tue/Thu	5p-8p	April 13 - May 24 + 2 Saturdays	Tuition: \$1,545
Marysville	101	Fall	16 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 16 + 1 Saturday	Tuition: \$1,545
Marysville	102	Wtr	10 weeks	63 hours	Mon/Wed	5p-8p	January 4 - March 10 + 1 Saturday	Tuition: \$1,545
Marysville	103	Spr	7 weeks	51 hours	Mon/Wed	5p-8p	April 12 - May 24 + 2 Saturdays	Tuition: \$1,545
Tacoma 1A	101	Fall	16 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 16 + 1 Saturday	Tuition: \$1,545
Tacoma 1A	102	Wtr	10 weeks	63 hours	Mon/Wed	5p-8p	January 4 - March 10 + 1 Saturday	Tuition: \$1,545
Tacoma 1A	103	Spr	7 weeks	51 hours	Mon/Wed	5p-8p	April 12 - May 24 + 2 Saturdays	Tuition: \$1,545
Tacoma 1B	101	Fall	15 weeks	87 hours	Tue/Thu	5p-8p	September 3 - December 10 + 1 Saturday	Tuition: \$1,545
Tacoma 1B	102	Wtr	10 weeks	63 hours	Tue/Thu	5p-8p	January 5 - March 9 + 1 Saturday	Tuition: \$1,545
Tacoma 1B	103	Spr	7 weeks	51 hours	Tue/Thu	5p-8p	April 13 - May 25 + 2 Saturdays	Tuition: \$1,545
Vancouver	101	Fall	16 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 16 + 1 Saturday	Tuition: \$1,545
Vancouver	102	Wtr	10 weeks	63 hours	Mon/Wed	5p-8p	January 4 - March 10 + 1 Saturday	Tuition: \$1,545
Vancouver	103	Spr	7 weeks	51 hours	Mon/Wed	5p-8p	April 12 - May 24 + 2 Saturdays	Tuition: \$1,545
RESIDENTIAL WIREMAN LEVEL 2								
Bellevue 2A	201	Fall	15 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 9 + 2 Saturdays	Tuition: \$1,545
Bellevue 2A	202	Wtr	9 weeks	63 hours	Mon/Wed	5p-8p	January 4 - March 3 + 2 Saturdays	Tuition: \$1,545
Bellevue 2A	203	Spr	7 weeks	51 hours	Mon/Wed	5p-8p	April 12 - May 24 + 2 Saturdays	Tuition: \$1,545
Bellevue 2B	201	Fall	14 weeks	87 hours	Tue/Thu	5p-8p	September 3 - December 3 + 2 Saturdays	Tuition: \$1,545
Bellevue 2B	202	Wtr	9 weeks	63 hours	Tue/Thu	5p-8p	January 5 - March 2 + 2 Saturdays	Tuition: \$1,545
Bellevue 2B	203	Spr	7 weeks	51 hours	Tue/Thu	5p-8p	April 13 - May 24 + 2 Saturdays	Tuition: \$1,545
Marysville	201	Fall	16 weeks	87 hours	Mon/Wed	5p-8p	September 2 - December 16 + 1 Saturday	Tuition: \$1,545
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