

2019 JOURNEYMAN FALL COURSE LIST

December 17, 2018 – March 8, 2019

Registration opens December 17, 2018

Call: 425.271.5900 | Online: seattlepipetrades.org

ALL IN-PERSON CLASSES MUST BE FULLY ENROLLED TO RUN! THERE IS NO TUITION TO ENROLL FOR CLASS – SOME COURSES HAVE TEXTBOOK AND MATERIALS FEES

ONLINE CLASSES

Take a class that fits in your own schedule. Online classes offered through Blackboard are always available – just call the office to enroll!

| Number | Title | Description |
|--------|---------------------------------|--|
| 290 | UPC Upgrade ONLINE | This course serve as a refresher to the theories & principles of properly installed plumbing systems. Each will be able to identify all components of plumbing systems with respect to design, function & current code application. (12 hours of CEU for Plumbers in either in-person or online course) |
| 297 | NFPA 70 E ONLINE | Students will become familiar with the standards for electrical safety in the work place and work with the NFPA 70E workbook and Ugly's electrical reference hand book. (4 hours Electrical CEU) |
| 294 | 2014 NEC Code ONLINE | To become familiar with the principals of electricity. This course combines theory study and hands on use of testers. Upon completion of the course each student will be able to identify the principles of electricity & solve minor field related problems. (8 hours of CEU for Electrical License) |
| 291 | Electrical Safety ONLINE | To become familiar with the principals of electricity. This course combines theory study and hands on use of testers. Upon completion of the course each student will be able to identify the principles of electricity & solve minor field related problems. (4 hours of CEU for Plumber License) |
| 296 | Equipment Grounding | This course will provide safety information on equipment grounding as it relates to the National Electrical Code (NEC) and the RCW / WAC for the state of Washington. Approved for 4 hours of electrical continuing education. (4 hours of CEU for Electrical License) |
| 295 | RCW/WAC ONLINE | This course will provide safety information on equipment grounding as it relates to the National Electrical Code (NEC) and the RCW / WAC for the state of Washington. (4 hours of CEU for Electrical License) |
| 298 | NEW! Intro to VFD ONLINE | Student will learn electrical basics, electrical motor theory, electronically commutated motors (ECM's) and an introduction to Variable Frequency Drives, and their usage in the HVAC/R Industry. In addition, the participant will learn electrical safety and some of the inherent dangers of Electronics and VFD Drives. (4 hours of CEU for Electrical License) |

CLASSES Scheduled by Arrangement

If you are interested in one of the classes below, call us to check availability. We will add your name to a wait list, and when we have full enrollment, we will arrange an instructor and dates. We will make every effort to offer these courses this winter, if space permits.

| Number | Title | Description |
|--------|---------------------------|--|
| 231 | First Aid & CPR | If your First Aid card has expired or you have never had one, you must attend these classes covering basic first aid and life-saving skills. (4 hours of CEU for Plumber & Electrical Licenses) NO FEE |
| 216 | General Welding | Practice all of your welding skills from Beginning Arc to Advanced Arc. All welding processes are offered - Arc, TIG, MIG, and Oxy-Ace Welding. The course objective is to prepare the student for the WABO or UA tests. |
| 252 | Variable Frequency Drives | This course familiarizes students with A/C motor theory, A/C Drive Theory, Square D Drive products, enclosures, and providing jobsite reference materials. (8 hours Electrical License CEU) |
| 250 | NFPA 70 E | Students will become familiar with the standards for electrical safety in the work place and work with the NFPA 70E workbook and Ugly's electrical reference hand book. (4 hours of CEU for Electrical License CEU) |
| 251 | Conduit Bending | The students will become familiar with understanding how to select the correct tubing size for the number of conductors, as well as proper tube bending practices. (4 hours of CEU for Electrical License CEU) |
| 265 | Basic Electrical | This course will help you understand electricity, and perform basic electrical calculations for everyday use. Basic understanding of motor and transformers is also covered. Students will be introduced to the important subject of how and why grounding works. This 48 hour course supports individuals with Electrical Trainee Cards. |
| 245 | Electrical Safety | This course will provide safety information on equipment grounding as it relates to the National Electrical Code (NEC) and the RCW / WAC for the state of Washington. (4 hours of CEU for Plumber License in either in-person or online course) |
| 226 | Introduction to Trimble | This course is intended to introduce students to a Robotic Total Station and how to properly care for and use the equipment for laying out designated points of reference on construction sites. |

CLASSES Scheduled by Arrangement - Continued

If you are interested in one of the classes below, call us to check availability. We will add your name to a wait list, and when we have full enrollment, we will arrange an instructor and dates. We will make every effort to offer these courses this winter, if space permits.

| Number | Title | Description |
|--------|-----------------------------------|---|
| 242 | Backflow Certification | This course will give you classroom instruction and hands-on training in the installation, service and repair and testing of backflow prevention devices. Each student will be given a state-monitored exam. <i>Exam fee is non-refundable.</i> (USC, AWWA materials) |
| 249 | Equipment Grounding | This course will provide safety information on equipment grounding as it relates to the National Electrical Code (NEC) and the RCW / WAC for the state of Washington. Approved for 4 hours of electrical continuing education. <i>(4 hours of CEU for Electrical License)</i> |
| 229 | WA State Rigging Qualifications | The student will have a basic understanding of sling and rigging hardware, and will become familiar with the limitations, practices, associated hazards and inspection requirements. The student will understand load calculations, center of gravity, effects of angles on rigging components, load turning, knots and tag line use, chain and lever action hoists, and winch, block and basic hand signals. <i>(4 hours of CEU for Plumbers)</i> |
| 247 | NEC Code | This is a refresher course on the state laws, regulations & the changes to the National Electrical Code as amended by the State of Washington. Has been approved by the state for CEU's toward electrical license renewal & Plumber Cont. Ed. <i>(8 hours of CEU for Electrical License in either in-person or online course)</i> |
| 230 | Signal Person Qualifications | This course will convey the knowledge and standards required for the safe operation of mobile and tower cranes. Students will be given a written and practical exam by the NCCCO. <i>(4 hours of CEU for Plumbers)</i> |
| 244 | UPC Upgrade –IN PERSON | This course serve as a refresher to the theories & principles of properly installed plumbing systems. Each will be able to identify all components of plumbing systems with respect to design, function & current code application. <i>(12 hours of CEU for Plumbers in either in-person or online course) NO FEE</i> |
| 217 | UA Medical Gas Certification | This course focuses on the proper procedures & requirements needed to successfully install or retrofit a Med Gas System. You must pass a written & brazing exam to be UA certified. <i>Exam fee - non-refundable. NOTE:</i> If your Med Gas card has lapsed with the state of Washington, you must take the exam with Washington State Department of Labor & Industries to renew it, rather than take the NITC test. <i>(12 hours Plumbers CEU)</i> |
| 248 | RCW/WAC | This course will provide safety information on equipment grounding as it relates to the National Electrical Code (NEC) and the RCW / WAC for the state of Washington. <i>(4 hours of CEU for Electrical License in either in-person or online course)</i> |
| 237 | OSHA 30 | This 30 hour course provides further instruction on construction industry safety & health topics for all construction personnel. Students receive certificates from OSHA. <i>(4 hours of CEU for Plumbers) – Offered in one Saturday series: January 12; January 26; February 9; and February 23, 2019</i> |
| 243 | NEW! Backflow Professional Growth | Professional growth class for those that are preparing for the hands on test to maintain their BAT certificate. Course is one, 8-hour session in duration. The student will refresh skills to properly test the SPVA, PVBA, DCVA, and RPBA. Also, this course will apply Chapter 6 of the Uniform Plumbing Code requirements for their installation and maintenance. <i>(4 hours of CEU for Plumbers)</i> |
| 254 | Electrical Controls for CO2-R744 | This class will give the students information on CO2/R7-44 Refrigeration Systems for the development of troubleshooting electric controls within the system. <i>(8 hours of CEU for Electrical License)</i> |