OUR VISION

To offer the finest trades training possible, to support national standards and ensure a ***strong electrical industry****.*

ELECTRICAL JOINT TRAINING COMMITTEE

WINTER 2026

Journeyperson Upgrading Programs

Check us out **@ www.ejtc.org**

We are on:

IBEW Local 213 & ECABC

ELECTRICAL JOINT TRAINING COMMITTEE

ELIGIBILITY REQUIREMENTS FOR EJTC JOURNEYPERSON UPGRADING COURSES

In order to register for any of the journey upgrading courses, you must meet ALL of the following requirements:

- Be a Member of IBEW 213
- Have active status
- Be in good standing (not more than three months behind in dues)
- Must have worked six months (180 days), non-consecutive, or more in the last two years for contractors contributing to the Training Fund.

If you meet these eligibility requirements, you should automatically be emailed when new journeyperson upgrading courses become available.

HOW TO REGISTER

1. Go to: Journeyperson Upgrading Courses | EJTC
    - Review Journeyperson Upgrading Courses
2. Complete the Online "Journeyperson Course Registration Request" Form
    - Select the course(s) you wish to attend.
3. Once registration has opened, submit the Online "Journeyperson Course Registration Request" Form.
    - We will fill these courses on a 'first-come, first-served' basis. (*eligibility requirements must be met)
    - We will notify you by email and/or telephone if a seat is available for you and send you an invoice for your course(s).
4. Please be prepared to pay for your seat online via the invoice when we contact you. Check your messages/emails regularly.

IMPORTANT!

Each course will be subject to a non-refundable administration fee of $78.75 (includes GST) plus books if needed (costs as noted), which will be due immediately upon receiving confirmation from us. Do not remit your fee until you have been notified that you have a seat.

If you have any questions regarding our courses, please contact our office:

ELECTRICAL JOINT TRAINING COMMITTEE

1405 Broadway Street, Port Coquitlam BC V3C 6L6

Tel: 604-571-6540 • Fax: 604-571-6520 • Email: info@ejtc.org

Website: www.ejtc.org

ELECTRICAL JOINT TRAINING COMMITTEE

ELECTRICAL CODE

Cost: $78.75 non-refundable administration fee (includes GST) **Instructor:** Mark Stevens

When: Jan.13th – Mar. 19th, 2026 (Tuesdays & Thursdays) **Where**: **ONLINE VIA ZOOM**

Time: 6:00pm-8:30pm 20 sessions/50 hours total

This 50-hour, on-line, instructor-led course is based on the New BC Electrical Code Regulation 2024 (26th Edition) and includes the changes to the 2024 BC Code. The course is designed for Electricians, Technologists, Technicians, Electrical Engineers and Electrical Contractors planning to upgrade their knowledge of the Code.

This course is also for those planning to write the Field Safety Representative A, B or C Exams.

Instruction covers all sections of the Code, Amendments, Directives, Bulletins, Acts and Regulations.

**2024 Code Book is required. Please note that EJTC does not sell code books at this time.*

CODE REFRESHER FOR FSR RENEWAL ONLY

Cost: $78.75 non-refundable administration fee (includes GST) **Instructor:** Mark Stevens

When: March 28, 2026 (Saturday) **Where**: **ONLINE VIA ZOOM**

Time: 8:00am-4:30pm 1 session/8 hours total

This course will provide Class A, B, or C, FSRs with the 8 hours of continuing education required for certificate renewal.

This 8-hour, on-line, instructor-led, course is based on the New BC Electrical Code 2024 (26th Edition) with all the changes.

The course is designed for Field Safety Representatives (FSR) to refresh their knowledge of the Code as mandated by the Electrical Safety Regulations 10.1 (3). FSRs should renew their certification on or before the expiry date listed on their wallet cards.

**2024 Code Book is required. Please note that EJTC does not sell code books at this time.*

CONDUIT BENDING

Cost: $78.75 ($78.75 non-refundable administration fee (includes GST) **Instructor:** Ryan McKinnon

When: February 28-March 1, 2026(Saturday & Sunday) **Where**: **ON-CAMPUS at EJTC**

Time: 7:30am – 3:30pm 2 sessions/16 hours total

This course is for those electricians who would like to increase their conduit fabrication skill level. You will learn how to fabricate Offsets, Kicks, Three Bend Saddles Four Bend Saddles, Goosenecks and Rolling Offsets. You will learn the Traditional method, Push Through method and the Multiplier method for bending conduit. We will be using ½" and ¾" EMT conduit. Please note that this is not a 'power bender' course.

► **Note! Safety footwear and hand tools required.**

► **Must have basic computer skills and ability to access a computer with Windows 8 (or later) and internet for homework assignments as required.**

ELECTRICAL JOINT TRAINING COMMITTEE

ELECTRIC VEHICLE INFRASTRUCTURE TRAINING PROGRAM (EVITP)

Cost: $142.50 ($78.75 non-refundable admin. fee + $63.75 EVITP Certification Exam fee (includes GST)

Instructor: Tyler Traboulay

When: March 14-15, 21, 2026 (Saturdays and Sundays)

Where: ONLINE VIA ZOOM or ON-CAMPUS at EJTC

EXAM (ON-CAMPUS ONLY): Saturday March 22, 2026, at 9:00am-12:00pm

Time: 8:00am-4:30pm

4 Sessions Total

(24 Hours + 3-hour Exam during last session)

► **Prerequisite: Must be a Journeyperson Electrician** (copy of Red Seal Certificate of Qualification will be required!)

► **Note! Full attendance is required to write the EVITP certification exam. You may choose to register for online or in-person classes, but all students must attend only one way, and then the exam must be done in-person!**

This course is an Industry driven collaborative effort. The Electric Vehicle Infrastructure Training Program (EVITP) delivers the highest standard in training and certification for the installation of Electrical Vehicle Supply Equipment (EVSE). To be included in the course:

- Automobile Manufacturer's charging specifications
- EV battery types, charging characteristics
- Customer service/relations
- Utility interconnect policies and requirements
- Utility grid stress precautions
- Installing, commission and maintaining electrical storage devices
- Charging station fundamentals
- Service level assessments and upgrade implementation
- Canadian Electrical Code requirements
- First Responder safety and fire hazard measures
- Site Surveys

***You will require a 2024 Code Book and non-programmable calculator. *Please note: EJTC does not sell Code Books ***

HEATING, VENTILATION AND AIR CONDITIONING (HVAC) SEMINAR

Cost: **FREE**

Instructor: Farzan Poursoltani

When: February 18, 2026 (Wednesday)

Where: ONLINE VIA ZOOM

Time: 5:00pm – 8:00pm

1 session/3 hours total

As electricians, we are required to provide power for HVAC equipment, and as a Controls electrician, we need to be able to wire and troubleshoot HVAC equipment in order to make it work effectively. This course will educate electricians about the function of HVAC equipment in relation to air, temperature, pressurization, humidity, etc.

In this three-hour seminar, we will go through slides and review the functionality of:

- Air-Handling units
- Variable-Air-Volume terminal boxes
- Hydronic HVAC Systems
- Heat Exchangers

ELECTRICAL JOINT TRAINING COMMITTEE

FIRE ALARM INSTALLATION

Cost: $78.75 non-refundable administration fee (includes GST)

Instructor: Frank Kurz

When: March 14-15, 21-22, 28-29, 2026 (Saturdays & Sundays)

Where: ON-CAMPUS at EJTC

Time: 8:00am – 4:30pm

6 sessions/48 hours total

This course will familiarize the journeyperson with fire alarm system field components and their proper installation. You will gain an in-depth understanding of circuit wiring, specifications, and the design/layout process in order to successfully install and troubleshoot data communication link circuits, indicating appliance circuits (bells, horns, strobes, egress path marker systems), and conventional fire alarm initiating circuits. Successful course graduates will be able to participate in the Commissioning and Verification processes and assist in preparing the documentation required by the Standard for Installation of Fire Alarm Systems and the British Columbia Building Code (including the Vancouver Building By-Law).

- Building Code and Standards Requirements
- Manufacturer's installation requirements
- Conventional Fire Alarm Control Panels
- Addressable Fire Alarm Control Panels
- Field device installation and wiring requirements
- Class "A" and Class "B" Wiring Circuits
- Duct detectors
- Air aspirating systems
- Isolators:
  - Data Communication Link
  - Power Buss
  - In-suite Sounders
- Emergency Voice Communication Systems
- Networked systems
- Introduction to programming
- Terminating a fire alarm control panel
- Ancillary device circuits (door holders, smoke control systems, interconnection to the fire signal receiving centre transmitter)
- Elevator control
- Extinguishment system interconnection
- Remote annunciators (Code requirements, wiring)
- The Verification
- Fire alarm system design fundamentals
- Troubleshooting:
  - Ground faults
  - Open circuits
  - Class A Wiring
- Smoke detectors in lieu of smoke alarms
- Integrated Life Safety Systems Testing (CAN/ULC-S1001) fundamentals
- Installation dos and don'ts

SUBSTATION TRAINING

Cost: $78.75 non-refundable administration fee (includes GST)

Instructor: Steve Larson

When: February 11-12, 2026 (Wednesday-Thursday)

Where: ONLINE VIA ZOOM

Time: 6:00pm- 9:30pm

2 session/7 hours total

The Substation Electrician Training program is designed to equip participants with in-depth knowledge and practical skills for safe and effective substation operations. The curriculum includes seven key modules covering a wide range of topics, such as the purpose and configurations of substations, hazard identification, and safe working practices. Participants will gain expertise in critical areas, including ground grid design and testing, operation and maintenance of switches, circuit breakers, and transformers, as well as the design and upkeep of substation DC systems. This training also emphasizes hands-on learning, safety protocols, and industry standards, ensuring a well-rounded education for professionals in the electrical field.

ELECTRICAL JOINT TRAINING COMMITTEE

PROGRAMMABLE LOGIC CONTROLLER PLC *Pilot*

Cost: **FREE**

Instructors: Bob Marsden, Gareth Shindel, Neil Normandeau

When: January 31-February 1, February 7-8, 2026 (Saturdays & Sundays)

Where: **ON-CAMPUS at EJTC**

Time: 8:00am – 4:30pm

4 sessions/32 hours total

Theory Meets Practice
- Motor control fundamentals: start/stop, jog, forward/reverse
- Safe vs. Unsafe Logic; safety-conscious design principles
- Electrical schematics and ladder diagrams

PLC Hardware + Software
- Overview of PLC components, wiring, and I/O
- Communication protocols and memory bit usage
- Understanding digital vs. analog signals

Programming Languages & Logic
- Ladder Logic
- Structured Text
- Function Block Diagrams
- Sequential Function Charts
- Instruction Lists

Real-World Troubleshooting
- Analyze and test ladder logic programs
- Program upload/download procedures
- Operate in RUN mode
- Perform advanced diagnostics and system verification

Course Outcomes:

Upon completion you will be able to . . .

Interpret ladder logic and troubleshoot PLC systems
Validate I/O functionality and digital/analog signals
Support commissioning teams on industrial automation projects
Work safely and effectively alongside controls engineers

ELECTRICAL JOINT TRAINING COMMITTEE

HARGER: EXOTHERMIC WELDING

Cost: $78.75 non-refundable administration fee (includes GST)

Instructor: Felipe Barros

When: March 25, 2026 **(**Wednesday)

Where: **ON-CAMPUS at EJTC**

Time: 4:00pm- 7:30pm

1 session/3.5 hours total

This factory certification training focuses on the importance of proper preparation which helps in five areas, by ensuring:

- Safety
- Productivity
- Quality
- Extension of tool life
- No defects, especially when welding steel

Required Materials:

- A tablet or smartphone
- PPE
  - -Hard hat
  - -Steel toe boots
  - -Long sleeve shirt
  - -Safety glasses

ELECTRICAL JOINT TRAINING COMMITTEE

INTRODUCTION TO MICROGRIDS

Cost: $78.75 non-refundable administration fee (includes GST) **Instructor: SASKATCHEWAN POLYTECHNIC VIA NETCO**

This course is offered through EJTC's partnership with NETCO **Where**: **ONLINE, SELF-PACED / SELF- LED**

Introduction to Microgrids is a course that provides an overview of microgrid fundamentals, components, control systems, and renewable energy integration within a microgrid-controlled network. This course introduces key concepts, making it accessible for professionals new to microgrid technology:

- Foundational Learning: Gain a broad understanding of microgrid technology, including renewable energy integration, power management, and controller architecture.
- Industry-Relevant Knowledge: Learn about the best practices in microgrid design, ensuring efficiency, sustainability, and compliance with industry standards.
- Practical Insights: Explore real-world applications and examples that illustrate microgrid implementation and management.

Microlearning's:

1. Introduction to Microgrids – Learn the fundamentals of microgrids, their components, and how they enhance energy resilience and sustainability.
2. Distributed Energy Resources (DERs) Technologies – Explore small-scale energy solutions like solar, wind, and battery storage that support microgrid operations.
3. Microgrid Dynamics: Navigating Key Challenges – Understand environmental, regulatory, and societal factors affecting microgrid deployment.
4. Assessment of Energy Impacts – Evaluate the efficiency, sustainability, and economic benefits of integrating microgrids into power systems.
5. Microgrid Global Trends and Challenges – Discover emerging trends, industry advancements, and obstacles shaping the future of microgrid technology.

Course FAQ:

Q: How long does the course take, and what are the approximate number of hours it takes to complete?

A: This is a completely asynchronous course, so there are no time restrictions. The course takes approximately 26 hours to do. This course will allow members to do it at their own pace, whenever they would like.

Q: Is there a deadline for completing the course?

A: There is no timeline for how long this course should take.

Q: Is there a timeline for course material even though it is self-led?

A: This course is completely self-paced, and no timelines are enforced.

ELECTRICAL JOINT TRAINING COMMITTEE

ARC FLASH TRAINING- CSA Z462 – 2021- CERTIFIED ELECTRICAL SAFETY INSTRUCTION

Cost: $78.75 non-refundable administration fee (includes GST) **Instructor: SASKATCHEWAN POLYTECHNIC VIA NETCO**

This course is offered through EJTC's partnership with NETCO **ONLINE, SELF-PACED / SELF- LED**

Arc flash and Shock Safety is designed to educate electricians on proper safety measures and procedures to prevent accidents or injuries caused by arc flash and electrical shock. Participants will learn about the dangers and causes of arc flash and electrical shock, the types of personal protective equipment (PPE) required, and how to properly use and maintain PPE.

This course will cover Canadian regulations and standards related to arc flash and shock safety, as well as best practices for working safely on electrical equipment. Following course completion, participants will have the knowledge to keep themselves and their colleagues safe while working with electrical equipment.

COURSE FAQ:

Q: How long does the course take, and what are the approximate number of hours it takes to complete?

A: This is a completely asynchronous course, so there are no time restrictions. The course takes approximately 8 hours to do. Typically, it will take participants 1-2 months to complete if signing in after work. This course will allow members to do it at their own pace, whenever they would like.

Q: Is there a deadline for completing the course?

A: There is no timeline for how long this course should take. At most, this course should take 3 months.

Q: Is there a timeline for course material and the exam even though it is self-led?

A: This course is completely self-paced, and no timelines are enforced. Participants will have 3 tries for a 70% passing grade, if not, they are required to retake the course. There is a practice test provided prior to writing the final exam.

Q: Is the exam also online?

A: The exam is 100% online, self-proctored and accessible through the SaskPoly LMS. Participants just follow along their content tab and once they get to their exam, they write.

ELECTRICAL JOINT TRAINING COMMITTEE

THE CONSTRUCTION ELECTRICIAN (NOC 7241) SOLAR PHOTOVOLTAIC (PV) SYSTEMS PERSONNEL CERTIFICATION

Cost: $78.75 non-refundable administration fee (includes GST) **Instructor:** SASKATCHEWAN POLYTECHNIC VIA NETCO

This course is offered through EJTC's partnership with NETCO **ONLINE, SELF-PACED / SELF- LED**

The Construction Electrician (NOC 7241) Solar Photovoltaic (PV) Systems Personnel Certification has been developed by CSA Group in conjunction with the National Electrical Trade Council (NETCO) and industry stakeholders to provide assurance that an individual possesses the competencies deemed necessary to perform the job function of a Construction Electrician (NOC 7241) Solar Photovoltaic (PV) Systems Certified Electrician. The certification is designed to complement accreditation programs for verification bodies.

This certification has been developed in compliance with the ISO 17024 standard. ISO 17024 is the global benchmark for organizations operating personnel certification programs and outlines the methods and procedures required to ensure the objective and unbiased assessment of a candidate's knowledge, skills, and abilities. Passing the PVSC examination will indicate that the candidate possesses the knowledge, skills, and decision-making abilities necessary to practice the proper techniques to pre-plan, implement, configure, install, commission, troubleshoot and maintain solar PV systems.

FAQ:

Q: How long does the course take, and what are the approximate number of hours it takes to complete?

A: This is a completely asynchronous course, so there are no time restrictions. The course takes approximately 8 hours to do. Typically, it will take participants 1-2 months to complete if signing in after work. This course will allow members to do it at their own pace, whenever they would like.

Q: Is there a deadline for completing the course?

A: There is no timeline for how long this course should take. At most, this course should take 3 months.

Q: Is there a timeline for course material and the exam even though it is self-led?

A: This course is completely self-paced, and no timelines are enforced. Participants will have 3 tries for a 70% passing grade, if not, they are required to retake the course. There is a practice test provided prior to writing the final exam.

Q: Is the exam also online?

A: The exam is 100% online, self-proctored and accessible through the SaskPoly LMS. Participants just follow along their content tab and once they get to their exam, they write.

ELECTRICAL JOINT TRAINING COMMITTEE

INTRODUCTION TO CONSTRUCTION ESTIMATING

Cost: $78.75 non-refundable administration fee (includes GST) **Instructor: SASKATCHEWAN POLYTECHNIC VIA NETCO**

This course is offered through EJTC's partnership with NETCO **ONLINE, SELF-PACED / SELF- LED**

For people working in estimating or for any individual who wants to become an estimator. Gain the knowledge and skills required to

visualize the scope and magnitude of construction project and produce accurate and reliable estimates. Course work includes reviewing drawings through various phases of a project with the aim of determining the quantity and type of materials required for the project.

- Have a good understanding of estimating practices.
- Know site-specific conditions and regulatory requirements.
- Know how to handle purchasing and logistics, and how to manage materials on site.
- Organize cost data in a clear and logical manner.
- Be able to manage historical information related to costs and know how and when to update this information.
- Know how to assemble bids and meet bid closure deadlines.
- Provide on-site solutions to work-related problems in relation to equipment and material placement.

COURSE FAQ:

Q: How long does the course take, and what are the approximate number of hours it takes to complete?

A: This is a completely asynchronous course, so there are no time restrictions. The course takes approximately 3 hours to do. This course will allow members to do it at their own pace, whenever they would like.

Q: Is there a deadline for completing the course?

A: There is no timeline for how long this course should take.

Q: Is there a timeline for course material even though it is self-led?

A: This course is completely self-paced, and no timelines are enforced.

ELECTRICAL JOINT TRAINING COMMITTEE

FIRST LEVEL SUPERVISOR TRAINING PROGRAM

Cost: $78.75 non-refundable administration fee (includes GST) **Instructor: SASKATCHEWAN POLYTECHNIC VIA NETCO**

This course is offered through EJTC's partnership with NETCO **ONLINE, SELF-PACED / SELF- LED**

For supervisors, foremen, or any individual who wants to become a First Level Supervisor. Develop the critical skills and learn the concepts required to supervise a construction crew, maximize productivity and quality, and ensure a job gets done on time, on budget, and safely.

- Build supervisory skills.
- Understand the difference between leadership and management.
- Communicate effectively.
- Lead a work crew.
- Plan and schedule.
- Manage effective meetings.
- Understand the supervisor's role in safety and due diligence.
- Develop and motivate teams.
- Handle disagreements and problems.
- Address personal problems and performance issues.

COURSE FAQ:

Q: How long does the course take, and what are the approximate number of hours it takes to complete?

A: This is a completely asynchronous course, so there are no time restrictions. The course takes approximately 3 hours to do. This course will allow members to do it at their own pace, whenever they would like.

Q: Is there a deadline for completing the course?

A: There is no timeline for how long this course should take.

Q: Is there a timeline for course material even though it is self-led?

A: This course is completely self-paced, and no timelines are enforced.

ELECTRICAL JOINT TRAINING COMMITTEE

RESPECTFUL AND INCLUSIVE WORKPLACE

Cost: $78.75 non-refundable administration fee (includes GST) **Instructor: SASKATCHEWAN POLYTECHNIC VIA NETCO**

This course is offered through EJTC's partnership with NETCO **ONLINE, SELF-PACED / SELF- LED**

The Canadian construction and maintenance industry is committed to building respectful and inclusive workplaces. Our goal is to enhance your toolkit of career-enhancing skills and equip you with the success required to create a respectful and inclusive workplace. This workplace environment will benefit all parties based on the elimination of discrimination and harassment, constructive communication, teamwork, and mentorship. This course uses interactive elements, scenarios, videos, and quizzes to reinforce learning.

Successful completion of course requirements will provide:

- Knowledge of industry wide expectations
- Leading by example
- Effective communication amongst team members with varying lifestyles and experiences
- Inclusive and respectful workplaces for all team members
- Inclusive decision making and problem-solving techniques.
- Mentorlike relationships amongst team members with varying lifestyles and experiences

Structure and Workload:

This course consists of 8 lessons, with an estimated total duration of 3 hours of self-paced instruction.

COURSE FAQ:

Q: How long does the course take, and what are the approximate number of hours it takes to complete?

A: This is a completely asynchronous course, so there are no time restrictions. The course takes approximately 3 hours to do. This course will allow members to do it at their own pace, whenever they would like.

Q: Is there a deadline for completing the course?

A: There is no timeline for how long this course should take.

Q: Is there a timeline for course material even though it is self-led?

A: This course is completely self-paced, and no timelines are enforced.