



# IRRIGATION INDUSTRY ASSOCIATION OF B.C.

IIABC 205 – 2469 Montrose Avenue, Abbotsford BC V2S 3T2

P: 604-744-4274 E: iiabc@irrigationbc.com W: irrigationbc.com

Last date of review: July 10, 2024

Note: IIABC reserves the right to amend course outlines as needed without notice.

## **Certified Irrigation Technician - Level Two (CIT Level 2)**

### **Course Description:**

This intensive two-day course is designed to advance your knowledge and skills in installing and maintaining efficient irrigation systems. Building on the foundational knowledge from CIT Level 1, this course delves deeper into the complexities of irrigation systems, ensuring participants can effectively troubleshoot and manage advanced irrigation challenges.

### **Learning Outcomes:**

By the end of this course, participants will be able to:

1. Apply advanced principles of hydraulics in irrigation systems.
2. Understand and implement backflow prevention fundamentals.
3. Troubleshoot operational issues in irrigation systems.
4. Diagnose and resolve electrical issues in irrigation systems.
5. Effectively troubleshoot controller problems.
6. Develop basic quotes for irrigation projects.
7. Schedule irrigation systems based on soil types, precipitation rates, and plant needs.

### **Course Content:**

1. **Principles of Hydraulics**
  - o Advanced concepts and applications in irrigation systems.
2. **Backflow Prevention Fundamentals**
  - o Techniques and importance of preventing backflow in irrigation systems as well as detailed explanation of each type of backflow preventor.
3. **Irrigation System Operational Troubleshooting**
  - o Identifying and resolving common operational issues.
4. **Electrical Troubleshooting**
  - o Diagnosing and fixing electrical problems in irrigation systems.
5. **Controller Troubleshooting**
  - o Methods for troubleshooting and repairing irrigation controllers.



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### 6. Basic Quoting

- Developing quotes for irrigation projects based on system requirements.

### 7. Scheduling an Irrigation System

- Creating efficient irrigation schedules based on soil types, precipitation rates, and plant needs.

#### Course Fees (Course fee is subject to change at any time):

- **Non-Members:** \$480 + GST
- **Members:** \$430 + GST
- **Course Retake Fee:** 70% of the respective fee you paid before when you took the course.
- **Subsidies:** The Okanagan Basin Water Board (OBWB) is generously offering \$100 course subsidies to Okanagan residents and companies working on irrigation systems in the Okanagan.

**Prerequisite:** Completion of Certified Irrigation Technician - Level One (CIT Level 1) course and passing grade for CIT1 test is mandatory for this course. Attendees without CIT Level 1 test and passing grade may participate in the instructional sessions but are ineligible to take the CIT Level 2 exam.

#### Course Schedule:

- **Spring Term:** February to April, annually (Offered online and in different regions)
- **Winter Term:** November or December, annually during the annual conference (In-person only)

#### Instructional Time:

The course includes 16 hours of instructional time over two days, with breaks. Attendance is mandatory to be eligible to write the exam. You cannot challenge the exam without attending the full instructional time.

#### Course Materials:

- **In-person Courses:** Materials are provided on the first day of the course.
- **Online Courses:** Materials are mailed to your address or securely emailed to your email address.

#### Exam Fee:

- **Members:** \$150 + GST (additional to course fee)
- **Non-members:** Not eligible to take the exam.

#### Exam Information:

- **Format:** Multiple choice questions (100 MCQs)
- **Passing Percentage:** 75%



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- **Proctoring:** Exam must be proctored and cannot be taken online.
- **Delivery Options:**
  - In-person course: Exam can be taken immediately after the course.
  - Online course: Exam can be taken at various post-secondary institutions in your city (proctoring fees are the responsibility of the registrants).
- **Eligibility:** Only IIABC members can write the exam. Completion of Certified Irrigation Technician - Level One (CIT Level 1) course and certification is mandatory for this course.
- **Re-write Fee:** \$100 + GST.

Upon passing the exam, a certificate will be emailed to you. To maintain your certification, an annual ACF active certification fee of \$25 is required, and your name will be listed on our certified professional's directory.

For any further inquiries, please email us at [iiabc@irrigationbc.com](mailto:iiabc@irrigationbc.com).

Approved by: IIABC Certification Board and Chair - Certification Board