



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 - Agriculture (CIT-Ag)

Course Description:

This specialized course focuses on equipping participants with the skills and knowledge necessary for effective irrigation system management in agricultural settings. Covering both theory and practical applications, this course is designed for individuals looking to enhance their proficiency in agricultural irrigation systems.

Learning Outcomes:

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

1. Understand agricultural systems, soils, crops, and climate factors affecting irrigation.
2. Apply principles of hydraulics in agricultural irrigation systems.
3. Implement backflow prevention techniques specific to agricultural settings.
4. Perform maintenance on both sprinkler and drip irrigation systems.
5. Troubleshoot operational issues in agricultural irrigation systems.
6. Diagnose and resolve electrical and controller problems.
7. Develop irrigation schedules based on soil types, crop requirements, and climate data.

Course Content:

1. **Agricultural Systems and Soils, Crops & Climate**
 - Overview of agricultural systems, soil types, crop considerations, and climate impacts on irrigation.
2. **Principles of Hydraulics**
 - Application of hydraulic principles in agricultural irrigation systems.
3. **Backflow Prevention**
 - Techniques and importance of backflow prevention in agricultural contexts.
4. **System Maintenance on Sprinkler & Drip Systems**
 - Procedures for maintaining both sprinkler and drip irrigation systems.
5. **Agriculture Irrigation System Operational Troubleshooting**
 - Identification and resolution of common operational issues specific to agricultural irrigation systems.
6. **Electrical and Controller Troubleshooting**
 - Troubleshooting and repair of electrical and controller components in agricultural irrigation systems.



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7. Scheduling Systems Based on Soils, Crops, and Climate Data

- Techniques for developing efficient irrigation schedules tailored to soil conditions, crop types, and local climate.

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 certification (pass grade of 75% or more) is recommended but not mandatory. Participants without CIT Level 1 certification can attend the course but are ineligible to take the CIT-Ag exam.

Course Schedule:

- **Spring Term:** Not offered (Online course is not offered)
- **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:** Not available.

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%
- **Proctoring:** Exam must be proctored and cannot be taken online.
- **Delivery Options:**
 - In-person course: Exam can be taken immediately after the course.



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- Online course: Not available.
- **Eligibility:** Participants interested in certification must be IIABC members. Experience in agricultural irrigation systems is preferred but not required.
- **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 more information, please contact us at iiabc@irrigationbc.com.

Approved by: IIABC Certification Board and Chair - Certification Board