



Winter 2025

ITRC

Flow Measurement – Winter 2025

(8 am - 5 pm)

Sponsor: USBR California-Great Basin Region

ITRC is providing several training and educational opportunities for staff, engineers, and water operators of agricultural irrigation districts. These classes utilize the excellent indoor and outdoor facilities at ITRC. Generally, two Flow Measurement classes are offered in the winter – one in January and one in March.

Chico

Flow Measurement - Winter 2025

(9 am - 4 pm)

Sponsor: USBR California-Great Basin Region

Provided in cooperation with Chico Farm, this annual flow measurement and canal operation training covers topics including: flow measurement details such as how to properly use a meter gate, how to get more water through various structures, and an introduction to SCADA.

ITRC

Pumps (for Irrigation Districts) – Winter 2025

(8 am – 5 pm)

Sponsor: USBR California-Great Basin Region

Pumps topics covered include types; terms; curves; pumps in series and parallel; system curves; TDH computations; efficiency; WHP, BHP, input HP; pump selection; common pump questions and answers.

ITRC

SCADA (for Irrigation Districts) - Winter 2025

(8 am - 5 pm)

Sponsor: USBR California-Great Basin Region

This course provides an overview of SCADA systems, starting with electric and electronic fundamentals and moving on to typical technician role and responsibilities.

Classes Currently Offered for Spring and Summer 2024

ITRC

Certified Irrigator Program

Training for ITRC Certified Irrigator

(8 am - 5 pm)

Sponsor: CDFA WETA

Certified Irrigator I

Focuses on the basics of irrigation.

Certified Irrigator I (English)

TBD

Certified Irrigator I (Spanish)

TBD

Certified Irrigator II

Covers basic pipeline hydraulics, irrigation efficiency, salinity management for drip/micro and drainage and freeze protection.

Certified Irrigator II (English)

TBD

Certified Irrigator II (Spanish)

TBD

Exam administered after class.

ITRC

Designer/Manager School of Irrigation

(8 am - 5 pm)

The Designer/Manger School is a comprehensive educational program offering a variety of classes designed for agricultural irrigation professionals. See <http://www.itrc.org/classes/desmgr.htm> for details.

Irrigation Scheduling

July 24-26, 2024

Training for IA Certified Ag Irrigation Specialist

Soil texture and structure, water holding capacity, retention, intake rates, evaporation, transpiration, soil classification, measurement of soil moisture and tension, ETo and crop coefficients. *Exam administered after class.*

Pipeline Hydraulics

July 29-30, 2024

Pipe material & sizes, energy equation, friction, elevation changes, and basic spreadsheet operations.

Pumps

July 31-August 2, 2024

Pumps topics covered include types; terms; curves; pumps in series and parallel; system curves; TDH computations; efficiency; WHP, BHP, input HP; pump selection; trimming impellers; common pump questions and answers.

Row Crop Drip Irrigation

August 6, 2024

Design layouts, flushing, fittings, how design relates to management, hose installation, retrieval.

Drip/Micro Irrigation Design

August 7-9, 2024

Training for IA Certified Irrigation Designer

Filtration, step-by-step design procedure of hardware selection and hydraulics, drip/micro system design, SDI for trees and vines, plugging prevention. *Exam administered after class.*

ITRC

Ag Irrigation System Evaluation Short Course

Training for ITRC Certified Evaluator

June 24-28, 2024

Sponsor: DWR

ISE I: Theory and Laboratory Practice of Evaluations.

This 2½-day course will be held **June 24-26, 2024**. The class combines classroom (50%) and outdoor laboratory (50%) activities.

ISE II: Field Evaluations of Drip/Micro Systems

This 2½-day class, held on **June 26-28, 2024**, travels to the San Joaquin Valley and performs the entire evaluations on 2 fields.

Exam administered after class.

ONLINE

Fertigation

Training for ITRC Certified Fertigator

Online class option coming soon!

Sponsor: CDFA FREP

The class will cover new techniques in the control and application of fertilizers through irrigation systems and strategies to conform with the intent of the new nitrogen regulations in California. Increasing yields per acre-foot of evapotranspiration (ET) through better fertility management, will also be discussed – a key topic for California growers. *Exam administered after class.*

CHICO

Ag Irrigation System Evaluation

Training for ITRC Certified Evaluator

May 21-23, 2024 (9 am - 4 pm)

Sponsor: DWR

This comprehensive 3-day class combines classroom (50%) and outdoor laboratory (50%) activities. The techniques and programs covered are the standard used for DWR-funded evaluation projects throughout California.