



Winter 2027

ITRC

**Flow Measurement – February 3-5, 2027
February 24-26, 2027**
(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.

Chico

Flow Measurement – January 13-14, 2027
(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) – March 3-5, 2027
(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) – March 15-19, 2027
(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.

Summer 2027

ITRC

Ag Irrigation System Evaluation Short Course
UPCOMING SESSIONS TBD

ISE I: Theory and Laboratory Practice of Evaluations.

This 2½-day course combines classroom (50%) and outdoor laboratory (50%) activities.

ISE II: Field Evaluations of Drip/Micro Systems

This 2½-day class travels to the San Joaquin Valley and performs the entire evaluations on 2 fields.

ONLINE

Ag Irrigation System Evaluation
Training for ITRC Certified Evaluator

The online materials present the theories and procedures of drip/micro irrigation system evaluations through videos in conjunction with the ITRC textbook *Drip and Micro Irrigation Design and Management for Trees, Vines, and Field Crops*.

Exam administered after class.

ONLINE

Fertigation
Training for ITRC Certified Fertigator
Online class available now!
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.

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/desmrg.htm> for details.

Irrigation Scheduling

Summer 2027

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

Summer 2027

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

Pumps

Summer 2027

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

Summer 2027

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

Drip/Micro Irrigation Design

Summer 2027

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.*

ONLINE

ITRC Online Courses through the Irrigation Association
Landscape Irrigation Classes

ITRC has partnered with the Irrigation Association to offer nine online "modules" for CEU credit. Registration is available through the Irrigation Association.