



IRRIGATION
AUSTRALIA



CERTIFIED IRRIGATION DESIGNER

Welcome to Irrigation Australia's Certification Program

ABOUT THE PROGRAM

If you are currently designing irrigation systems that are efficient and sustainable, you may wish to take the next step and become a **Certified Irrigation Designer (CID)**.

This new Australian-led certification provides you with a recognised point of difference in the market. A Certified Irrigation Designer is highly regarded by customers for delivering services that meet, and often exceed, industry standards.

We require a minimum of **2-3 years'** experience in an irrigation-related field.

ONGOING COMMITMENT TO BEST PRACTICE

Once you become a Certified Irrigation Designer, you'll need to keep your skills and knowledge current by participating in a range of irrigation-related activities.

Continuing Professional Development (CPD) Points will be earned for each type of activity and at the end of **one (1)** year, you must have obtained **five (5)** CPD points and paid the renewal invoice by the due date in order for your certification to remain active.

CERTIFICATION FEES

	Member	Non-Member
Application Fee	\$200	\$300
Pre-qualification Exam	\$440	\$670
General Exam	\$440	\$670
Expert-Led Design	\$500	\$730
Resit Exam	\$310	\$330
Annual Renewal Fee	\$195	\$420

STEP 1: APPLICATION

[APPLY NOW](#)

Member Price: \$200 | Non-Member Price: \$300

Once your application and fee are received, you'll gain access to the Australian-aligned study materials and an online practice quiz to prepare for the Pre-Qualification Exam.

STEP 2: PRE-QUALIFICATION EXAM

Member Price: \$440 | Non-Member Price: \$670

The online exam has multiple-choice questions from the Principles of Irrigation resource. It is open book, supervised, and must be completed within the set time. Topics include hydraulics, system components, scheduling, design, and regulations.

STEP 3: GENERAL EXAM

Member Price: \$440 | Non-Member Price: \$670

This online exam consists of multiple-choice questions based on the Irrigation Systems Design Guidelines book, plus 8 scenario-based questions. It is open book, supervised, and must be completed within the time limit.

STEP 4: EXPERT-LED DESIGN

Member Price: \$500 | Non-Member Price: \$730

A paper-based design assessment completed with expert guidance. The topics it covers are listed on page 2.

[Click here to start your application to become a CID](#)

CONTACT US



certification@irrigation.org.au



(07) 3517 4000



www.irrigationaustralia.com.au

CERTIFIED IRRIGATION DESIGNER

Welcome to Irrigation Australia's Certification Program

STEP 2: PRE-QUALIFICATION EXAM

PRINCIPLES OF IRRIGATION

- Chapter 1:** Irrigation Systems for Landscape/Turf & Agriculture
- Chapter 2:** Soils, Plants & Water
- Chapter 3:** Precipitation Rates
- Chapter 4:** Efficiency & Uniformity Concepts
- Chapter 5:** Irrigation Scheduling
- Chapter 6:** Control Valves, Specialty Valves, Controllers, & Backflow Prevention
- Chapter 7:** Pipe & Fittings
- Chapter 8:** Hydraulics of Irrigation Systems
- Chapter 9:** Pumps for Irrigation
- Chapter 10:** Wire Sizing & Electrical Principles

STEP 3: GENERAL EXAM

IRRIGATION SYSTEM DESIGN GUIDELINES

PART 1

- Chapter 1:** Irrigation Design Guidelines
- Chapter 2:** Area Considered for Irrigation
- Chapter 3:** Water Supply
- Chapter 4:** Crop/Plants
- Chapter 5:** Soil
- Chapter 6:** Climate
- Chapter 7:** Management Requirements
- Chapter 8:** Irrigation System Capacity

PART 2

- Chapter 1:** Irrigation Performance Parameters
- Chapter 2:** Irrigation System Performance Standards
- Chapter 3:** Irrigation System Selection
- Chapter 4:** Application Efficiency
- Chapter 5:** Net Application Depth
- Chapter 6:** Irrigation Cycle

STEP 3: GENERAL EXAM

IRRIGATION SYSTEM DESIGN GUIDELINES

PART 2 CONTINUED

- Chapter 7:** Sprinkler or Emitter Layout
- Chapter 8:** Application Uniformity
- Chapter 9:** Application Intensity
- Chapter 10:** Hydraulic Design
- Chapter 11:** Filtration
- Chapter 12:** Pumping Design
- Chapter 13:** Controls
- Chapter 14:** Measuring and Monitoring
- Chapter 15:** Checking Design Performance Targets
- Chapter 16:** Final Specification and Quotation
- Chapter 17:** Irrigation System Hand-Over
- Chapter 18:** Installation
- Chapter 19:** Commissioning
- Chapter 20:** Commissioning Documentation
- Chapter 21:** Training
- Chapter 22:** Final Handover

STEP 4: EXPERT-LED DESIGN

EXAM TOPICS

- Topic 1:** Irrigation Design Planning & System Requirements
- Topic 2:** Water Demand & Irrigation Scheduling
- Topic 3:** Sprinkler System Design & Performance
- Topic 4:** Drip Irrigation System Design & Performance
- Topic 5:** Valve Selection, Sizing & System Flow Rates
- Topic 6:** Pipe Sizing, Velocity & Friction Loss Calculations
- Topic 7:** Pressure Requirements & Elevation Considerations
- Topic 8:** Mainline & Suction Pipe Design
- Topic 9:** Total Dynamic Head (TDH) & Pump Duty Calculations
- Topic 10:** Pump Selection & Efficiency

[Click here to start your application to become a CID](#)