

Certified Irrigation Designer (CID) Bulletin of Information Application/Registration



Irrigation Association certification as a certified irrigation designer indicates the successful irrigation designer has:

- A minimum of three years of irrigation-related experience or two years of irrigation-related experience plus one year of irrigation-related education.
- Passed three written examinations covering general irrigation subjects and specialty areas.
- Agreed to follow the IA Code of Ethics established by the IA Certification Board.

A CID establishes specifications and prepares design drawings for the construction of an irrigation project. CIDs evaluate site conditions and determine net irrigation requirements based on the needs of the project. Designers are then responsible for the selection of the most effective irrigation equipment, materials and design methods.

Irrigation designers engage in the preparation of irrigation plans, details and specifications, on-site observation of the installation when requested to ensure that design intent is fulfilled, and discussion with the end user regarding system use, particularly as it relates to scheduling and maintenance concerns.

CIDs may certify in one or more of six specialties—commercial, golf course or residential in turf/landscape and drip/micro, sprinkler or surface in agriculture.

EPA WaterSense Approved

The EPA WaterSenseSM program promotes water efficiency through products, professional programs and partners that meet WaterSense criteria. The IA is proud to be the first WaterSense partner. The IA Certified Irrigation Contractor and Certified Irrigation Designer programs were the first professional certifications to earn the WaterSense label. The IA Certified Landscape and Golf Irrigation Auditor programs also carry the WaterSense label.



The WaterSense label will increase consumer awareness and demand for professionals who use water-efficient products and practices. Individuals certified in eligible programs may apply to WaterSense for the partner label at www.epa.gov/watersense/partners.

Designer Responsibilities

Design and construction documents prepared by CIDs should reflect the specific project needs and be based on water availability and use requirements and the selection of the most

effective irrigation equipment, methods and materials for the application. In addition, a CID should have a thorough knowledge of all irrigation equipment including its selection, use and restrictions as well as installation methods and accurate cost estimating.

CIDs should have working knowledge of general irrigation theory, including hydraulics, soil-plant-water relationships, plant water requirements and the principles of electricity. They should have an understanding of related elements including grading and drainage, plant material characteristics and site maintenance and use.

CIDs should be able to prepare efficient plans and comprehensive specifications that include construction details, equipment or materials and appropriate irrigation schedules that may be clearly understood by certified irrigation contractors, certified landscape irrigation managers and other installation personnel. Plans and specifications should reflect the utilization of information in such a manner that efficient irrigation designs are produced.

Eligibility and Application

Certification as a CID is a four-step process.

Step 1 Application

- To apply to the IA Certified Irrigation Designer program, you must meet the requirement of at least one year of verifiable work experience in an irrigation-related field or one year of education in an irrigation-related field.
- To apply to the program and/or register for the step 2 exam, complete the certified irrigation designer step 1 application and submit with payment. Include any necessary documentation, such as certificates of completion, transcripts or resume.
- After your application has been received and verified, you will receive a letter informing you of your status in the program.

Step 2 Irrigation Industry Examination

- Upon submitting the step 1 application and being accepted into the CID program, you will then need to register and pass the step 2 Irrigation Industry exam.
- You must have at least one year of verifiable irrigation-related experience/education to take the step 2 exam.
- If you have less than the minimum required time, you will be notified of the date when you will be eligible to take the examination. You will not have to reapply.
- Exam registration and payment must be received by the IA at least 30 days before the scheduled exam date.



Step 3 General Examination

- Upon successful completion of the step 2 exam, you will need to register and pass a step 3 general exam. You may choose the step 3 general agriculture exam or the general landscape/turf exam.
- You must have at least three years of verifiable irrigation-related experience or two years of irrigation-related experience plus one year of irrigation-related education to take the step 3 general exam.
- Exam registration and payment must be received by the IA at least 30 days before the scheduled exam date.

Step 4 Specialty Examination

- To finish the CID certification process, you must successfully complete a step 4 specialty exam. You may choose from six areas of expertise: commercial, golf course or residential in landscape/turf and drip/micro, sprinkler or surface in agriculture.
- Exam registration and payment must be received by the IA at least 30 days before the scheduled exam date.
- You may take the step 3 general exam and a step 4 specialty exam on the same day (if scheduled session allows). Additional specialty exams may be taken at a later date.

Exam Descriptions

Step 2 Exam Description

The step 2 irrigation industry examination is a 3-hour, closed book exam with 150 equally weighted, multiple-choice questions.

Step 3 Exam Description: Agriculture

The step 3 general agriculture exam is a 3-hour, closed book exam with 100 equally weighted, multiple-choice questions.

Step 3 Exam Description: Landscape/Turf

The step 3 general landscape/turf exam is a 3-hour, closed book exam with 100 equally weighted, multiple-choice questions.

Step 4 Specialty Exam Descriptions

The step 4 specialty exam is offered in six areas of expertise: commercial, golf course or residential in landscape/turf and drip/micro, sprinkler or surface in agriculture.

Each landscape/turf exam is a 4-hour, closed book exam with equally weighted, multiple-choice questions using a design plan.

The agricultural exams are also 4-hour, closed book with drip/micro consisting of 75 equally weighted, multiple-choice questions; sprinkler with 42 weighted-value, multiple-choice questions plus two of four sections; and surface with 60 weighted-value, multiple-choice questions.

References and Exam Schedule

References for the CID exams are available online (see certification and references). CID exam references include equations for each exam and the IA *Glossary of Irrigation Terms*, plus the following:

Step 2

- *Principles of Irrigation, 2nd Edition*
- *Irrigation 6th Edition*

Step 3

- *Principles of Irrigation, 2nd Edition*
- *Irrigation 6th Edition*
- *National Electrical Code* handout (for Landscape/Turf exam, free online)

Step 4: Commercial

- *Principles of Irrigation, 2nd Edition*
- *Turf Irrigation Manual*
- *National Electrical Code* handout (free online)
- *National Standard Plumbing Code* handout (free online)

Step 4: Golf Course

- *Principles of Irrigation, 2nd Edition*
- *Golf Course Irrigation Environmental Design and Management Practices*

Step 4: Residential

- *Principles of Irrigation, 2nd Edition*
- *Turf Irrigation Manual*

Step 4: Drip/Micro

- *Drip & Micro Irrigation for Trees, Vines, and Row Crops*
- *Irrigation 6th Edition*

Step 4: Sprinkler

- *Principles of Irrigation, 2nd Edition*
- *Irrigation 6th Edition*

Step 4: Surface

- *Irrigation 6th Edition*
- *Surface Irrigation Manual*

You may order exam references on the exam registration form or purchase books online at the IA bookstore.

Handouts, equation and specification sheets are available online at no charge under certification and references.

The exam schedule is continually updated at the IA web site.

Detailed specification sheets for the exams are online under certification and references.

Optional Courses

The CID program is a self-study program, so completion of education courses is not required to take the exams. Although the IA does not offer “all encompassing” courses for any of the CID exams, the IA does offer short courses that serve as good building blocks for the exams and exam subject areas. These short courses are helpful to the candidate studying for exams.

Courses are not a substitute for studying reference material. Classes are designed to educate the student, not to review specific exam content.

Important: Education courses are optional, requiring separate registration and fees.

Helpful Courses for Exams

Exam: Step 2, Step 3 (ag and turf)

Course: *Principles of Irrigation*

Exam: Step 3 Landscape/Turf, Step 4 Commercial, Step 4 Golf Course, Step 4 Residential

Course: *Advanced Irrigation Design for Water Conservation*

Exam: Step 4 Drip/Micro

Course: *Agricultural Drip/Micro Design*

Exam: Step 4 Sprinkler

Course: *Center Pivot Design*

Helpful Courses for Subject Areas

Subject: Scheduling

Course: *Landscape Irrigation Auditor/Golf Irrigation Auditor*

Subject: Hydraulics

Course: *Landscape Irrigation Hydraulics (online)*

Subject: Pumps

Course: *Understanding Pumps*

Fees and Registration

Apply and register for the CID program and exams directly through the IA. Exam registration and payment must be received by the IA at least 30 days in advance. On-site registration is not allowed.

Step 1 Application Fee (non-refundable)

- IA member \$ 50 application
- Nonmember \$175 application

Step 2, 3 and 4 Exam Fees (per exam)

- IA member \$150 exam
- Nonmember \$275 exam
- IA member retake \$150
- Nonmember retake \$275
- IA member cancellation/rescheduling* \$100
- Nonmember cancellation/rescheduling* \$150

*Cancellation/rescheduling fees apply if cancelling within five business days of exam date.

If a candidate fails to appear on day of exam, the candidate will forfeit all application and exam fees and will not be eligible for a refund.

Company check, personal check, money order and credit cards (Visa, MasterCard, American Express) are accepted. Remit by check in US dollars drawn on a US bank, payable to the Irrigation Association.

Exam Retake/Reschedule/Cancel

No exam retake may be scheduled by anyone in the examination process until the candidate has been officially notified of the results of his/her previously taken exam. No candidate will be allowed to retake an examination until 90 days have passed.

A cancellation/rescheduling fee will be assessed to the candidate who fails to cancel or reschedule a scheduled exam at least five business days before the exam date. Cancellations must be made in writing and sent to the attention of IA certification by U.S. mail, fax: 703.536.7019 or e-mail: certification@irrigation.org. If a candidate fails to appear on day of exam, the candidate will forfeit all application and exam fees and will not be eligible for a refund.

A candidate may take an exam no more than three times. If unsuccessful on the third attempt, the candidate must wait one year from the date of the last examination to retake that examination. Fees applicable at that time must be paid.

If the candidate does not successfully complete the required exams within three years of being accepted into the program, the candidate must restart the certification process.

Certification Renewal and CEUs

A CID is required to obtain CEUs to maintain an active status and remit a nominal annual renewal fee.

Certified Irrigation Designer (CID) Step 1 Application

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New applicants complete this page. All others proceed to pg. 7.

- IA must receive the exam application and registration at least 30 days prior to the exam date. On-site registration is not allowed.
- IA reserves the right to cancel, postpone or reschedule any or all exams as necessary.
- To apply to the CID program and take the step 2 exam, the applicant must have a minimum of one year of irrigation-related experience or one year of education in an irrigation-related field.
- After successfully completing the step 2 exam, eligible CID candidates may take the step 3 exam in either the agriculture or landscape/turf category and a step 4 specialty exam. step 3 and 4 candidates must have either three years of verifiable irrigation-related experience or two years of irrigation-related experience plus one year of irrigation-related education.

Candidate Information (PRINT legibly in black ink)

Dr. Mr. Mrs. Ms.

Last Name	First Name	Middle Initial
Home Address (No PO Box)		
City	State/Province	Zip/Postal Code
Home Telephone	Cell Telephone	
E-mail (required)		
What address would you like your references mailed to?	<input type="checkbox"/> Home	<input type="checkbox"/> Business (commercial)
What address would you like your exam results mailed to?	<input type="checkbox"/> Home	<input type="checkbox"/> Business (commercial)

Experience REQUIRED

If you have less than three years of verifiable irrigation-related experience with your current employer, include former employer information and/or to substitute one year of irrigation-related education for up to one year of experience, see reverse.

Qualifying Irrigation-Related Experience

<p>Current employer _____</p> <p>Position/title _____</p> <p>Employed from _____ / _____ to _____ / _____</p> <p>Years _____ Months _____ of experience</p> <p>Supervisor/contact _____</p> <p>Business Address (No PO Box) _____</p> <p>City _____ State _____ Zip _____</p> <p>Tel (_____) _____</p> <p>Fax (_____) _____</p> <p>E-mail _____</p>	<p>Describe qualifying irrigation-related experience for designer certification.</p> <p>Resume attached: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>Previous employer _____</p> <p>Position/title _____</p> <p>Employed from _____ / _____ to _____ / _____</p> <p>Years _____ Months _____ of experience</p> <p>Supervisor/contact _____</p> <p>Business Address (No PO Box) _____</p> <p>City _____ State _____ Zip _____</p> <p>Tel (_____) _____</p> <p>Fax (_____) _____</p> <p>E-mail _____</p>	<p>Describe qualifying irrigation-related experience for designer certification.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

► New applicants continue to pg. 4. All others proceed to pg. 7.

Certified Irrigation Designer (CID) Step 1 Application



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New applicants complete this page. All others proceed to pg. 7.

Experience (Continued)

Employment Information	Qualifying Irrigation-Related Experience
Previous employer _____ Position/title _____ Employed from _____ / _____ to _____ / _____ Years _____ Months _____ of experience Supervisor/contact _____ Business Address (No PO Box) _____ City _____ State _____ Zip _____ Tel (_____) _____ Fax (_____) _____ E-mail _____	Describe qualifying irrigation-related experience for designer certification. _____ _____ _____ _____ _____ _____ _____ _____

Education

To request substitution of education for up to one year of experience, complete this section and attach official transcripts showing irrigation coursework, or copies of certificates of completion for any specialized irrigation training that you have completed.

Education Information	Course Work Description
Course _____ Provider _____ Address _____ _____ City _____ State _____ Zip _____ Length/date of course _____	Describe qualifying course or seminar. Transcript/certificate attached: <input type="checkbox"/> Yes <input type="checkbox"/> No _____ _____ _____ _____
Course _____ Provider _____ Address _____ _____ City _____ State _____ Zip _____ Length/date of course _____	Describe qualifying course or seminar. Transcript/certificate attached: <input type="checkbox"/> Yes <input type="checkbox"/> No _____ _____ _____ _____
Course _____ Provider _____ Address _____ _____ City _____ State _____ Zip _____ Length/date of course _____	Describe qualifying course or seminar. Transcript/certificate attached: <input type="checkbox"/> Yes <input type="checkbox"/> No _____ _____ _____ _____

► New applicants continue to pg. 6. All others proceed to pg. 7.

Certified Irrigation Designer (CID)

Step 1 Application/Registration

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New applicants complete this page. All others proceed to pg. 7.

Candidate Information (PRINT legibly in black ink)

Dr. Mr. Mrs. Ms.

 Last Name First Name Middle Initial

Code of Ethics

I subscribe to the following code of ethics:

- Uphold the integrity of the irrigation industry.
- Protect public health and safety.
- Comply with all local, state, national laws and regulations.
- Adhere to the concepts of free enterprise.
- Follow fair and honest business practices including legitimate representation of my personal capabilities, experience, certifications and licenses.
- Apply ethical business practices to all contractual and warranty obligations.
- Use responsible procedures in the design, installation, maintenance and management of irrigation systems.
- Promote best management practices for water, soil, and energy through efficient and cost-effective irrigation systems design, installation, maintenance and management.
- Work to gain respect and recognition for the irrigation industry at the local, regional, national and international level.

Declaration

- I understand and agree to all policies outlined in this document.
- I declare that the information contained in this application is true and accurate.
- I understand falsification is grounds for revocation of certification.
- I understand that failure to adhere to the IA Code of Ethics may result in disciplinary action up to and including revocation and/or exclusion from the certification program.
- I have read and agree to follow the IA Code of Ethics.

X _____
 Signature Date

Step 2 Exam

Exam Date: _____

Exam Location: _____

Computer-based Testing

Application & Step 2 Exam Fees (Required)

The application fee is a non-refundable, one-time fee.

IA member	<input type="checkbox"/> \$ 50 application	<input type="checkbox"/> \$150 exam
Nonmember	<input type="checkbox"/> \$175 application	<input type="checkbox"/> \$275 exam
IA member exam retake		<input type="checkbox"/> \$150
Nonmember exam retake		<input type="checkbox"/> \$275
IA member cancellation/rescheduling*		<input type="checkbox"/> \$100
Nonmember cancellation/rescheduling*		<input type="checkbox"/> \$150

*Cancellation/rescheduling fees apply if cancelling within five business days of exam date.

Step 2 Exam References and Shipping

Member Nonmember

\$60 \$80 *Principles of Irrigation, 2nd Edition*
 \$139 \$179 *Irrigation 6th Edition*

Free exam specification and equation sheets are sent with the confirmation letter or can be downloaded at www.irrigation.org.

- \$ 10.00, ship one book, UPS ground U.S.
- \$ 14.50, ship two books, UPS ground U.S.
- \$ 12.00 to ship *Irrigation, 6th Edition*.

Exam references and shipping fees are subject to change. International shipping is additional. Please contact IA for a quote.

Cancellation Policy

Exam cancellations must be made in writing at least five business days prior to the exam date. Cancellations made after this date will be assessed a cancellation fee.

If a candidate fails to appear on day of exam, the candidate will forfeit all application and exam fees and will not be eligible for a refund.

Payment

\$ _____ **US Total enclosed or authorized**

Check here for receipt

Check: # _____

Remit in US \$ drawn on a US bank, payable to the Irrigation Association.

Charge: VISA MasterCard American Express

 Card Number

 Expiration (month/year)

 Name on Card

X _____
 Signature

Mail the application and registration forms with payment to:

Irrigation Association
 6540 Arlington Blvd.
 Falls Church, VA 22042-6638

Or fax with credit payment to:

Attn: Certification: 703.536.7019

Questions? Call or e-mail the IA ...

Tel: 703.536.7080 • E-mail: certification@irrigation.org

Certified Irrigation Designer (CID) Step 2, 3, 4 Application/Registration



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Candidate Information (PRINT legibly in black ink)

Dr. Mr. Mrs. Ms.

Last Name First Name Middle Initial

Exam

- CID Step 2, Irrigation Industry Exam
- CID Step 3, General Landscape/Turf Exam
- CID Step 3, General Agriculture Exam
- CID Step 4, Commercial
- CID Step 4, Golf Course
- CID Step 4, Residential
- CID Step 4, Drip/Micro
- CID Step 4, Sprinkler
- CID Step 4, Surface

Exam Date: _____

Exam Location: _____

Computer-based Testing

Exam Fees (Required)

The exam fee applies to each Step 2, 3 and 4 exam.

- Member \$150 exam
- Nonmember \$275 exam
- IA member retake \$150
- Nonmember retake \$275
- IA member cancel/reschedule \$100
- Nonmember cancel/reschedule \$150

*Cancellation/rescheduling fees apply if cancelling within five business days of exam date.

Exam References and Shipping

Member Nonmember

Step 2: Irrigation Industry

- \$60 \$80 *Principles of Irrigation, 2nd Edition*
- \$139 \$179 *Irrigation 6th Edition*

Step 3: General Landscape/Turf

- \$60 \$80 *Principles of Irrigation, 2nd Edition*
- \$139 \$179 *Irrigation 6th Edition*
- National Electrical Code handout (free online)

Step 3: General Agriculture

- \$60 \$80 *Principles of Irrigation, 2nd Edition*
- \$139 \$179 *Irrigation 6th Edition*

Step 4: Commercial

- \$60 \$80 *Principles of Irrigation, 2nd Edition*
- \$95 \$100 *Turf Irrigation Manual*
- National Electrical Code handout (free online)
- National Standard Plumbing Code handout (free online)

Step 4: Golf Course

- \$60 \$80 *Principles of Irrigation, 2nd Edition*
- \$115 \$120 *Golf Course Irrigation Environmental Design and Management Practices*

Step 4: Residential

- \$60 \$80 *Principles of Irrigation, 2nd Edition*
- \$95 \$100 *Turf Irrigation Manual*

Step 4: Drip/Micro

- \$129 \$134 *Drip & Micro Irrigation for Trees, Vines, and Row Crops*
- \$139 \$179 *Irrigation 6th Edition*

Step 4: Sprinkler

- \$60 \$80 *Principles of Irrigation, 2nd Edition*
- \$139 \$179 *Irrigation 6th Edition*

Step 4: Surface

- \$100 \$110 *Surface Irrigation Manual*
- \$139 \$179 *Irrigation 6th Edition*

Free exam specification and equation sheets are sent with the confirmation letter.

\$ 10.00, ship one book, UPS ground U.S.

\$ 12.00 to ship *Irrigation, 6th Edition*.

\$2.50 for each additional book, orders over 10 books, call for a quote.

Exam references and shipping fees are subject to change. International shipping is additional. Please contact IA for a quote.

Cancellation Policy

Exam cancellations must be made in writing at least five business days prior to the exam date. Cancellations made after this date will be assessed a cancellation fee.

If a candidate fails to appear on day of exam, the candidate will forfeit all application and exam fees and will not be eligible for a refund.

Payment

\$ _____ **US Total enclosed or authorized**

Check here for receipt

Check: # _____

Remit in US \$ drawn on a US bank, payable to the Irrigation Association.

Charge: VISA MasterCard American Express

Card Number _____

_____/_____
Expiration (month/year)

Name on Card _____

X _____
Signature

Mail the application and registration forms with payment to:

Irrigation Association
6540 Arlington Blvd.
Falls Church, VA 22042-6638

Or fax with credit payment to:

Attn: Certification: 703.536.7019