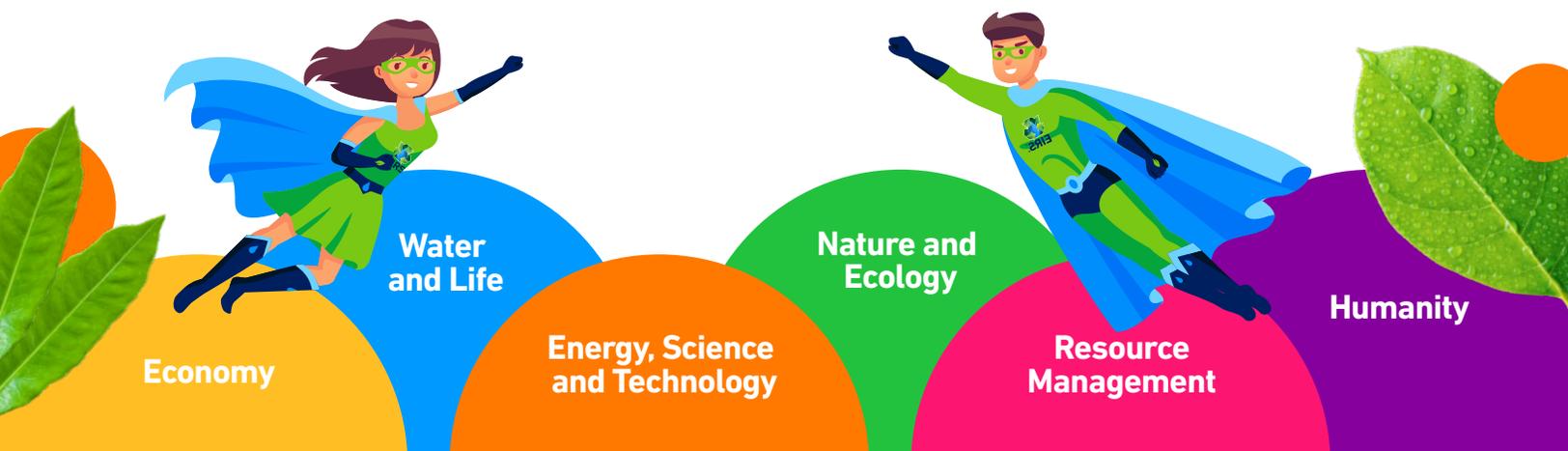




Call for Certification in Irrigation

Agriculture - Gardening - Sports and Landscaping - Irrigation Business





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Expo Internacional
de Riego Sustentable

Contact us:
T : +52 442 678 6988

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IRRIGATION CERTIFICATION PROGRAM: AGRICULTURE, GARDENING, SPORTS AND LANDSCAPING, BUSINESS IN IRRIGATION.



I.- Drip - Micro Irrigation - Design | Agricultural | Basic

Design of low-cost and efficient irrigation systems for orchards and row crops.

Duration: 2 (Two) days = 10 (Ten) Hours Recommended.

Content: Design procedures, Growing requirements, Filtration, Pumping, Pressure regulation, Selection of emitters / sprayers and uniformity of emissions.

Review: You must present a Drip test - Agricultural Micro Irrigation to be certified.



II.- Landscape Irrigation Technician | Basic

Learn the basics of installing and maintaining irrigation and hydraulic systems.

Duration: 2 (Two) days = 8 (Eight) Hours Recommended.

Content: General description and function of the irrigation system components, Learn about gluing and repairing PVC pipes, Install nozzles and adjust heads, Configure and repair electric valves, Field and controller wiring techniques

Review: You must present an Irrigation Technician exam to be certified.





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CALL FOR CERTIFICATION IN MATTERS OF: AGRICULTURE, GARDENING, SPORTS AND LANDSCAPING, BUSINESS IN IRRIGATION.

This call, relating to the process of obtaining the first certification with EIRSmx - ARSUM in matters of: Agriculture, Gardening, Sports - Landscaping and Irrigation Business, is directed and classified as follows:

A) ADVANCED: 1. Manufacturers; 2. Distributors; 3. Concessionaires; 4. Manufacturer Representatives; 5. Consultants; 6. Contractors, **B) INTERMEDIATES:** 1. Manufacturers of complementary products; 2. Commercial final users; 3. Commercial suppliers; 4. Universities; 5. Government agencies; 6. Water and energy providers, **C) BASIC:** 1. Associations; 2. Professional societies that represent and promote the interests of the irrigation industry; 3. Students; 4. Technical members; 5. Retirees; 6. Irrigation professionals and temporarily unemployed.

This certification is a proof of learning obtained through a specialized course in a specific area. To check knowledge at work individually. It is a decisive document to validate your knowledge and make a difference with those who have not been certified.

BASES

FIRST. -

Interested persons who wish to obtain the Certificate in Agriculture, Gardening, Sports - Landscaping and Irrigation Business, will be subject to the provisions of the EIRSmx - ARSUM for Certification, which aim to establish the requirements and the applicable process to obtain said certificate.

SECOND. -

Participants must send EIRSmx registration forms to request the registration of the certification in Agriculture, Gardening, Sports - Landscaping and Irrigation Business through the following address: info@expointernacionalderiegossustentable.com.





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THIRD. -

In 2022, to obtain the Certification in the field of Agriculture, Gardening, Sports - Landscaping and Irrigation Business, they will be carried out in person, 1 (one) evaluation will be applied with a quota of up to 50 places each, which will take place on the following dates: July 14 and 15, 2022, will begin at 9:00 a.m., with a duration of 8 to 10 hours, each one as the case may be in two days.

Participants must appear at 8:00 am, in the place and on the date that corresponds to them, for the collation of the documentation referred to in the first paragraph of the previous SECOND base. Each evaluation will be applied in the venues determined by EIRSmx - ARSUM in the City of Querétaro, Querétaro.

QUARTER. -

The result that falls to the evaluation will be: "Pass" or "Not Pass", in accordance with the Provisions for the Certification of EIRSmx - ARSUM and the Irrigation Company that carries out the certification.

FIFTH. -

In order to provide attention to the doubts that interested participants in the process of obtaining the Certificate in Agriculture, Gardening, Sports - Landscaping and Irrigation Business, the email is available: atncte1@expointernacionalderiegosustentable.com. The cases not foreseen in this call will be resolved by EIRSmx - ARSUM and the Irrigation Company that carries out the certification.

SIXTH. -

Any modification to the dates or deadlines provided in the THIRD base of this Call, derives from the determinations to attend the health emergency generated by the SARS-CoV2 (COVID-19) or in relation to the reopening of social activities , educational and economic, by the health authority of the country or by the competent authorities of each federative entity that is the headquarters of the evaluations, in accordance with the level of risk that in terms of the epidemiological risk traffic light system to transit to A new normality, if applicable, will be made known to the registered Participants through the official EIRSmx page, their social networks and the email registered in the application to obtain the Certificate in Agriculture, Gardening, Sports - Landscaping and Irrigation Business.

SEVENTH. -

Classification of Certification in matters of: Agriculture, Gardening, Sports - Landscaping and Irrigation Business: I.- Drip - Micro Irrigation - Design | Agricultural | Basic; II.- Landscape Irrigation Technician |





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Basic; III.-Landscape Irrigation Design | Basic; IV.- Pumps and Pumping Systems | Basic; V.- Irrigation Principles: Agriculture | Intermediate; VI.- Landscape Irrigation Wiring Practices and Grounding | Intermediate; VII.- Solution of Electrical Problems | Intermediate; VIII.- Water Management and Planning in the Landscape | Intermediate; IX.- Principles of Irrigation: Landscape | Intermediate; X.- Agricultural Irrigation Specialist | Advanced; XI.- Central Pivot Design | Advanced; XII.- Gardens, Parks and Landscape | Advanced; XIII.- Alternative Water for Landscape Irrigation | Advanced and XIV.- Landscape Irrigation Contractor | Advanced.

EIGHTH. -

Agenda and program for each Certification courses on: Agriculture, Gardening, Sports - Landscaping and Irrigation Business.

NINTH. -

Data to issue Certificate: **The following information is important for the certificate and to give credibility to the document, such as:** 1. Student's name; 2. Institution that offered the compulsory course must go to EIRSmx, ARSUM and Irrigation Company that carries out the certification); 3. Who taught the Certification Course; 4. Course qualification; 5. Date of completion; 6. Number of hours; 7. Date of issue of the document; 8. The signature of the person in charge of the course (EIRSmx Legal Representative Firm and Irrigation Company that carries out the certification).

TENTH. -

The exam will be prepared and designed by the Irrigation Company conducting the course.

ELEVENTH. -

Results of "Approval" or "Non-Approval" will be sent digitally in 40 business days by EIRSmx.

TWELFTH. -

All those who prove to be special guests by the Irrigation Company that carries out the certification WILL HAVE NO COST FOR THE CERTIFICATION COURSE, the accreditation will be 15 days before the course; Those who do not accredit this invitation will have a cost indicated by EIRSmx on its website www.eirsmx.com.





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III. Landscape Irrigation Design | Basic

Take your landscape designs to the next level by learning the basics of irrigation design. Irrigation system designers will complete two designs from start to finish during this session.

Duration: 2 (Two) days = 10 (Ten) Hours Recommended.

Content: Basic hydraulics, Design, Zoning, Pipe sizing, Routing and the principles of combined precipitation rate.

Review: You must take the Landscape Irrigation Design exam to be certified.



IV.- Pumps and Pumping Systems | Basic

Learn about the types of pumps used in irrigation and meet the flow and pressure specifications required in different systems and processes.

Duration: 2 (Two) days = 8 (Eight) Hours Recommended.

Content: Pump performance, Pump selection, Operating points and power units, Pump controls, including VFDs and how to evaluate pumping costs.

Review: You must submit a Pump and Pumping System exam to be certified.





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V.- Irrigation Principles: Agriculture | Intermediate

Mastering fundamental theory and application principles for agriculture, intensive session for experienced irrigators taught in the metric (m, cm and mm) or imperial (yard, foot and inch) system.

Duration: 2 (Two) days = 10 (Ten) Hours Recommended.

Content: Soil - water - plant ratio, Advanced hydraulic systems, Electricity, Pumps, Special valves, Irrigation equipment.

Review: You must present an examination of Principles of Agricultural Irrigation general examination of agriculture to be certified



VI.- Landscape Irrigation Wiring Practices and Grounding | Intermediate

Advanced dual cabling systems (2) and the efficiency of two-wire technology, the DUAL system

Duration: 2 (Two) days = 8 (Eight) Hours Recommended.

Content: Different types of transformers, Appropriate phases (primary and secondary), Diagnosing problems with different meters, Cable sizing for communication cables and two-wire systems, Drivers, Special solenoids, Proper splicing techniques.

Review: You must take the Cabling Practices exam to be certified.

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VII.- Solution of Electrical Problems | Intermediate

Diagnosis of problems in field wiring and electrical diagram of the irrigation system, sensors and solenoid valves. Save time and money with electrical troubleshooting.

Duration: 2 (Two) days = 8 (Eight) Hours Recommended.

Content: Diagnosing field wiring problems, Proper use of volt-ohm meters, Learn to systematically evaluate and solve even the most confusing electrical problems.

Review: You must take the Electrical Troubleshooting exam for Certification.



VIII.- Gestión y Water Planning in the Landscape | Intermediate

Learn how to create water budgets. Optimal water management and valuation of water resources as a basic activity for planning, developing, distributing and directing the optimal use of water.

Duration: 2 (Two) days = 8 (Eight) Hours Recommended.

Content: Irrigation schedules, Document water use and Plan for dry spells, Maximize the benefits of smart technology, Work effectively with water providers.

Review: You must present an examination of Water Management and Planning in the Landscape for Certification.

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IX.- Principles of Irrigation: Landscape | Intermediate

Master fundamental theory and application principles for lawns and landscaping.

Duration: 2 (Two) days = 8 (Eight) Hours Recommended.

Content: Soil-water-plant relationships, Advanced hydraulic systems, Electricity, Pumps, Special valves and irrigation equipment.

Review: You must present the General Landscape Irrigation Principles exam for Certification.



X.- Agricultural Irrigation Specialist | Advanced

Main principles of the management of irrigation systems for surface systems (furrows and border strips) and pressurized (micro and sprinklers). Aimed at distributors, producers and farmers.

Duration: 2 (Two) days = 10 (Ten) Hours Recommended.

Content: Volume and frequency of irrigation, Evapotranspiration and crop coefficients, Scheduling and the effects of salinity

Review: You must submit an Agricultural Irrigation Specialist exam for Certification.

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XI.- Central Pivot Design | Advanced

Experienced irrigation, improve understanding of the kingpin design and system management.

Duration: 2 (Two) days = 16 (Ten and Six) Hours Recommended.

Content: Theory and practical applications of system design, Nozzle selection, Application fees and scheduling, The recommended class preparation includes Principles of Irrigation.

Revisión: Deberá presentar examen de Diseño de Pivote Central para Certificación.



XII.- Gardens, Parks and Landscape | Advanced

Design and management of garden and park irrigation. Improve landscape water efficiency with better design, including consistency, equipment selection, and technology.

Duration: 2 (Two) days = 8 (Eight) Hours Recommended.

Content: Advanced design concepts, for contractors, water providers, suppliers and other irrigation professionals.

Review: You must take the Advanced Gardens, Parks and Landscape exam for Certification.





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XIII.- Alternative Water for Landscape Irrigation | Advanced

Aimed at experienced designers. Reuse of water in landscape irrigation; economic and sustainable justification; planning framework. Physical and geographical characteristics for the reuse of water.

Duration: 2 (Two) days = 8 (Eight) Hours Recommended.

Content: Basic aspects of sustainable irrigation systems, Using reclaimed water and collecting rainwater, Application to LEED and other programs where sustainability is required.

Review: You must submit an Alternative Water for Landscape Irrigation exam for Certification.



XIV.- Landscape Irrigation Contractor | Advanced

Complete upgrade for experienced contractors

Duration: 2 (Two) days = 10 (Ten) Hours Recommended.

Content: Soil - water - plant, hydraulic relationships, Basic electricity, Grounding, pumps, Safety requirements at work, Relevant building codes, Programming, Efficiency of water use and uniformity of the system.

Review: You must submit a Landscape Irrigation Contractor exam for Certification.

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