



Rain Bird Academy

Set yourself apart, perfect your skills, be trained!



Rain Bird develops and regularly updates local training programs, as well as customized training sessions.

- Initial Training
- Skills Maintenance
- Additional Training

Rain Bird Academy training sessions are offered year round throughout France.

List of courses available to :

**Landscape Contractors • Distributors, Salespeople • Designers, Design Office Employees
City Hall Employees, Public Utilities Employees**

- A1** – Irrigation System Design – Level I
- A2** – Irrigation System Selection and Settings
- A3** – Controller Programming
- B1*** – Irrigation System Design – Level II
- B2** – Installation of a sprinkler and drip irrigation system
- B3** – Decoder Irrigation Systems
- C**** – Water Conservation and Management
- D**** – Pump Stations
- F**** – BIRD Irrigation System Study Software



Greenskeepers and Golf Course Maintenance Personnel

- A1** – Irrigation System Design – Level I
- B1*** – Irrigation System Design – Level II
- B3** – Decoder Irrigation Systems
- C**** – Water Conservation and Management
- D**** – Pump Stations
- E1** – GOLF MAXI Software – Level I
- E2** – GOLF MAXI Software – Level II



Pre-requisites : Basic knowledge of Windows®

* We recommend that you take Module A1 first

** We recommend that you take Modules A1, A2 and A3 first

Irrigation System - Level I

Goals : Master basic hydraulic and technical concepts in order to design a **residential sprinkler system** within industry guidelines and determine the sprinkler equipment required ; 3 modules :

Module A1 - Irrigation System Design – Level I (1 day)

Basic principles and techniques for designing an irrigation system within industry guidelines.

- 1 Basic principles of hydraulics
- 2 Selection and placement of sprinklers
- 3 Determining size and type of pipes, system design
- 4 Calculation of flow and watering time
- 5 Carrying out a complete audit

At the end of the training, trainees will be able to :

- Choose the required residential equipment
- Carry out a residential sprinkler system audit
- Interpret a blueprint and adapt it to the ground conditions



Module A2 – Irrigation Equipment Choice and Settings (1 day)

A theoretical and practical approach to training about irrigation equipment.

- 1 Micro irrigation
- 2 Sprinklers
- 3 Solenoid valves
- 4 230/24 V Controllers
- 5 9 V Controllers

At the end of the training, trainees will be able to :

- Choose a sprinkler, valve or controller according to the site characteristics
- Set up and maintain a pipe, turbine and solenoid valve
- Carry out complete programming

Module A3 – 230 V and 9 V Controller Programming (1 day)

All you need to know about controllers.

For each controller series – 230 V and 9 V :

- 1 Wiring of solenoid valves and accessories
- 2 Advanced programming
- 3 Basic principles of electricity
- 4 Electrical diagnostics and troubleshooting

At the end of the training, trainees will be able to :

- Use the advanced features of a 230 V or 9 V controller
- Wire the solenoid valves
- Diagnose a problem with a multimeter



Irrigation System - Level II

Goals : Master the theoretical and practical knowledge required to design an irrigation system for large areas ; 3 modules :

Module B1 - Irrigation System Design – Level II (1 day)

Ensure that the irrigation system you are studying or that is being submitted for a study is the optimal choice and ensures the best level of performance.

- 1 Advanced sprinkler system design
- 2 Sizing main lines : Calculation of pressure drops
- 3 Water conservation and management : Uniformity, water requirements
- 4 Pump Stations
- 5 Selecting a control system

At the end of the training, trainees will be able to :

- Select a type of sprinkler and determine the optimal setup
- Master uniformity in water delivery
- Equalize the systems and manage pressure drops
- Carry out or analyze an audit



Module B2 - Installation of a Sprinkler and Drip Irrigation System (1 day)

Passing this training course is dependent on the application of the knowledge acquired in the various "RAIN BIRD Academy" modules, and on work done in small groups.

Classroom training based on exercises using kits :

- 1 Overview of micro irrigation equipment available on the market
- 2 Selection of micro-irrigation equipment based on a real situation
- 3 Assembly of all components and activation of an irrigation system

At the end of the training, trainees will be able to :

- Choosing the right micro irrigation components
- Install, maintain and improve a drip type irrigation system
- Carry out the installation of all components of a spray irrigation system

Module B3 – Decoder Irrigation Systems (1 day)

Decoder irrigation systems are flexible and upgradable, you will learn how to activate these systems.

- 1 Advantages over a "classic" system
- 2 Various components
- 3 Installation
- 4 Configuration and programming
- 5 Maintenance

At the end of the training, trainees will be able to :

- Define the components of a "2 wire" irrigation system
- Learn the architecture and installation rules
- Conduct programming and troubleshooting procedures



Module F – Designing Sprinkler Systems with BIRD Software (1 day)

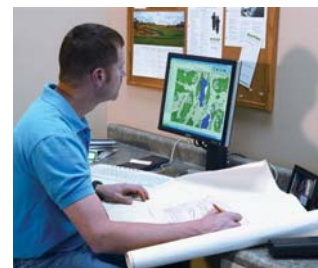
Prepare faster and more effective sprinkler system audits.

Goals : Provide participants with the theoretical and practical knowledge required to **conduct studies with the BIRD Irrigation Systems Study Software :**

- 1 Installation
- 2 The various steps of an audit : obtaining a blueprint, determining sprinkler setup, sketching out lines, establishing quantities
- 3 Printing : blueprints, estimate, setup instructions
- 4 Software options : default parameters (customization)
- 5 The database : components, references, part names
- 6 Analysis and interpretation of the database

At the end of the training, trainees will be able to :

- Obtain a blueprint
- Determine sprinkler setup
- Sketch out systems
- Produce and adapt an estimate



Module F – Water Conservation and Management (2 days)

Optimizing water consumption of green spaces.

Goal : Provide participants with the theoretical and practical knowledge required to optimize the water efficiency of an irrigation system :

- 1 Soil and vegetation characteristics
- 2 Evaluate an existing installation
- 3 Learn to make seasonal adjustments
- 4 Improve an installation
- 5 Optimize programming
- 6 Learn to make seasonal adjustments
- 7 Advantages of centralized management

At the end of the training, trainees will be able to :

- Evaluate the soil's water reserve and typical rainfall for an installation
- Calculate the duration and frequency of watering
- Design an installation to significantly reduce the water consumption



Module D – Pump Stations (1 day)

Know how to choose, install and maintain a pump station.

Goals : Provide participants with the knowledge required to choose, install and maintain a pump station.

- 1 Different types of pumps and their applications
- 2 Functional principles and different types of centrifugal pumps
- 3 Choosing a model
- 4 Components of a station
- 5 Activation and winterization

At the end of the training, trainees will be able to :

- Define the flow and the pressure required for a particular installation
- Define the flow and the pressure required for a particular installation
- Install and keep a surface pump from freezing



Rain Bird Golf Systems

Goals : Provide participants with the theoretical and practical knowledge required to use, and eventually master, **the advanced features** of the Golf Stratus™, Nimbus™ and Cirrus™ software ; 2 modules.

Module E1 - Golf MAXI® Software (Stratus™, Nimbus™ and Cirrus™) – Level I (1 day)

Explore the features of RAIN BIRD Golf centralized management software.

- 1 Configure and program the system
- 2 Irrigation programs
- 3 Daily use

At the end of the training, trainees will be able to :

- Conduct basic programming
- Create or modify a program
- Monitor and control the proper functioning of an irrigation system

Module E2 - Golf MAXI® Software (Stratus™, Nimbus™ and Cirrus™) – Level II (1 day)

Advanced programming of RAIN BIRD Golf centralized management software.

We recommend that participants take Module E1 first.

- 1 Basic elements of agronomy, evapotranspiration and precipitation
- 2 Programming and use
- 3 Integration of meteorological and weather station data

At the end of the training, trainees will be able to :

- Program a system based on evapotranspiration data
- Maximizing system efficiency
- Optimizing water resources



All options are possible!

Rain Bird develops custom training sessions or on-site company courses, with or without practical applications, specific requirements and “*Consulting & Training*” sessions. The content of the courses can therefore be changed with respect to your goals, the degree of technical knowledge of the participants and the level of knowledge desired.

For more details on course content please go to : www.rainbird.fr/training or phone **04 42 24 44 61**.

To register for Rain Bird Academy inter-company training courses :

- **Early registration and reservations :**

Contact our training department by phone at 04.42.24.44.61, by fax at 04 42 24 24 72 or by e-mail at services@rainbird.fr

- **Registrations :**

Use the registration request form provided and send the completed document by fax or e-mail to Rain Bird Service :

Rain Bird Service Training
900, rue Ampère
Z.I. Les Milles
B.P. 72000
13792 Aix-en-Provence Cedex 3
Phone : (33) 4 42 24 44 61
Fax : (33) 4 42 24 24 72

In all cases, *Rain Bird* will inform you of the various terms of your training (acknowledgment of receipt of registration, notice of meeting and access information, attendance confirmation, invoicing).

***To organize a custom intra-company training course, please call us at 04.42.24.44.61
or send your information request by e-mail to services@rainbird.fr
Together we can determine the terms and conditions for the course you require.***

For more information about registration methods and personal training allowances (DIF), go to www.rainbird.fr/formation.

The Intelligent Use of Water™

At Rain Bird®, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry customers and partners.

The need to conserve water has never been greater. We want to do even more, and with your help, we can. Visit our website at www.rainbird.fr for more information about The Intelligent Use of Water™.



Rain Bird Europe S.A.R.L.

900, rue Ampère, B.P. 72000
13792 Aix-en-Provence Cedex 3
France
Phone : (33) 4 42 24 44 61
Fax : (33) 4 42 24 24 72
rbe@rainbird.fr

Rain Bird Iberica S.A.

Poligono Ind.Prado del Espino
C/Forjadores-Parcela 6 - M18, S1
28660 Boadilla del Monte, Madrid
SPAIN
Phone : (33) 4 42 24 44 61
Fax : (33) 4 42 24 24 72
rbib@rainbird.fr

Rain Bird France S.A.R.L.

900, rue Ampère, B.P. 72000
13792 Aix-en-Provence Cedex 3
France
Phone : (33) 4 42 24 44 61
Fax : (33) 4 42 24 24 72
rbb@rainbird.fr

Rain Bird Deutschland GmbH

Siedlerstraße 46
71126 Gäufelden Nebringen
GERMANY
Phone : (33) 4 42 24 44 61
Fax : (33) 4 42 24 24 72
rbd@rainbird.fr

Rain Bird Turkey

İstiklal Mahallesi,
Alemdag Caddesi, N° 262
81240 Ümraniye İstanbul
TURKEY
Phone : (33) 4 42 24 44 61
Fax : (90) 216 461 74 52
rbt@rainbird.fr

Rain Bird Sverige AB

Fleningsvägen 315
260 35 Ödåkra
SWEDEN
Phone : (33) 4 42 24 44 61
Fax : (33) 4 42 24 24 72
rbs@rainbird.fr

www.rainbird.eu