



training

# Campbell Scientific Training

CRBASIC DATA LOGGER/LOGGNET

In Person | Virtual | On Site

CUSTOMIZED TRAINING

On Site





## CRBasic Data Logger and LoggerNet Training In Person | Virtual | On Site

We offer a selection of virtual or in-person trainings to help Campbell Scientific users get the most from their product, system, or project.

Training courses are a great way to get to know your Campbell Scientific products. Whether you are a beginner or a more advanced user, our training courses offer something for everyone.

Our courses are designed to help you understand and apply the core concepts related to operating, managing, and collecting data from Campbell Scientific sensors and systems.

Combining theoretical discussion with practical hands-on experience, you can apply your newfound skills in real-world scenarios in the safety of a classroom or virtual environment.

## In-Person and On-Site Training

The CRBasic Data Logger and LoggerNet 4.x Training Course is a comprehensive, introductory-level course suitable for both new users and intermediate users wishing to gain a greater understanding of the data logger and CRBasic programming.

There will be an emphasis on CRBasic programming and an introduction to PakBus networking.

The training course is taught by Campbell Scientific support specialists. Class sizes are limited to ensure personalized instruction and assistance. Hands-on programming exercises and course handouts are used to reinforce the concepts the instructors cover.

Course fees include a training manual and the use of a data logger, computer, and sensors.

Lunch will be provided on all course days (in-person classes only). The final day includes a tour of Campbell Scientific's production facilities.

### A brief course outline is listed below:

- Data Logger Hardware
- Short Cut Program Generator
- Data Logger Specifications
- Data Logger Memory
- LoggerNet
- Introduction to Programming with CRBasic
- Data Types and Formats
- Instruction Parameters
- Programming for Control
- Automated Data Collection
- RTMC – Real Time Monitoring and Control
- File Control and Operating Systems
- Comprehensive Exercises
- PakBus Networks



## Virtual Training

The CRBasic Data Logger and LoggerNet 4.x Training Course is a comprehensive, introductory-level course suitable for both new users and intermediate users wishing to gain a greater understanding of the data logger and CRBasic programming.

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## Remote Connection

For students, we will set up remote connections to equipment at our facility ahead of time on the Thursday before the class start date. The purpose of this is to troubleshoot any issues that come up so that students are ready and prepared for the course.

### Equipment available via remote connection:

- CR1000X Measurement and Control Datalogger
- Pair of thermocouples
- Small LED
- HygroVue™5 Temperature and Humidity Sensor
- Wind speed and wind direction sensor

### Required equipment for all participants:

- Computer with high-speed internet connection
- Webcam
- LoggerNet software installed on computer\*

\* A 30-day trial version of LoggerNet software is available [here](#). If you already own the full software, please ensure you have updated to the latest version of LoggerNet.

## On-Site Customized Training

Beyond our standard training courses, we also provide fully customizable training solutions designed specifically for your organization. These tailored sessions allow you to focus on the exact products, systems, or application challenges that matter most to your team. Whether you are looking for in-depth instruction on a particular data logger, programming,

specialized guidance on system integration, or hands-on support for a unique measurement or communications challenge, we will collaborate with you to build a course that aligns with your technical objectives and operational needs.

The customized courses are built upon our standard courses to help you understand and apply the core concepts related to operating, managing, and collecting data from your sensors and systems.

Contact us to explore options or discuss your needs in more detail.

Here is a comparison table to help you decide which learning format is best for you. Any Campbell Scientific training option will be a satisfying learning experience.

	Live, On Site	Live, Virtual	Live, In Person
<b>Travel Required</b>	No	No	Yes
<b>Format</b>	Face-to-face	Video conference over Microsoft Teams	Face-to-face
<b>Schedule</b>	Customized	Fixed	Fixed
<b>Equipment Use</b>	Hands-on experience	Remote connection, prewired	Hands-on experience
<b>Instructor Assistance</b>	Real time	Real time	Real time
<b>Relative Cost</b>	\$\$\$\$	\$\$	\$\$\$
<b>Comment</b>	Learning with your coworkers will strengthen your team building.	This is a popular option for live interaction when travel is difficult.	Network with other customers and tour our facility.



Campbell Scientific training can be delivered on site at your facility, virtually, or at our state-of-the-art training center—giving you the flexibility to choose the format that best fits your schedule, location, and learning preferences. Let us help you create an impactful training experience that empowers your organization and supports your long-term success.

## Frequently Asked Questions:



**Do I need my own data logger for the courses?** No. Data loggers are provided in the in-person class. In the virtual class, connections are made to a remote data logger.



**Do I need internet access to take the virtual course?** Yes. We video conference over Microsoft Teams.



**Do I need my own computer for the in-person or on-site course?** No. A computer, cables, sensors, and training equipment will be provided for the course.



# Campbell

S C I E N T I F I C <sup>TM</sup>



Learn more about our training courses. They are a great way to get to know Campbell Scientific products. Whether you are a beginner or a more advanced user, our training courses offer something for everyone.



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