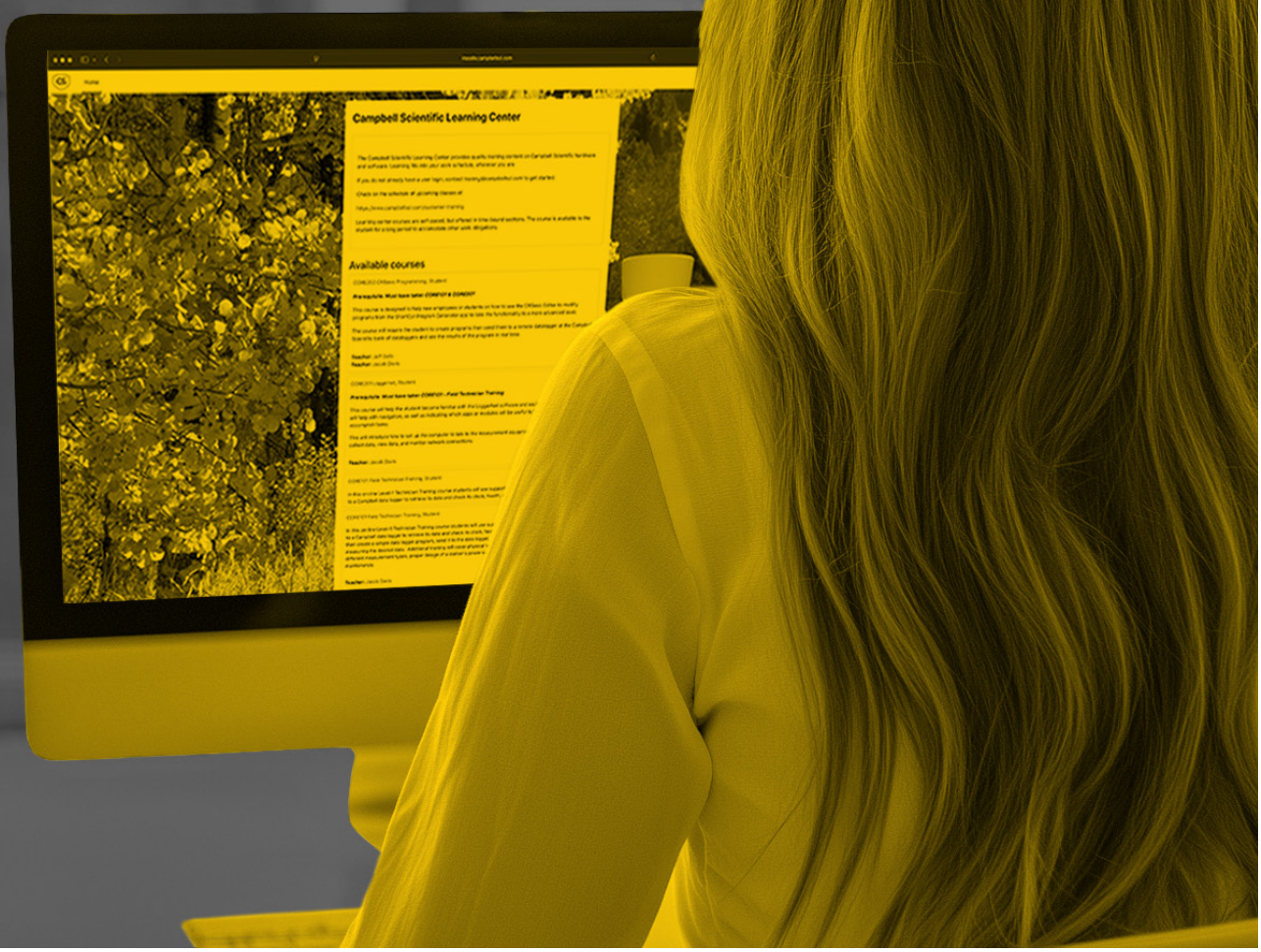
Campbell
SCIENTIFIC®

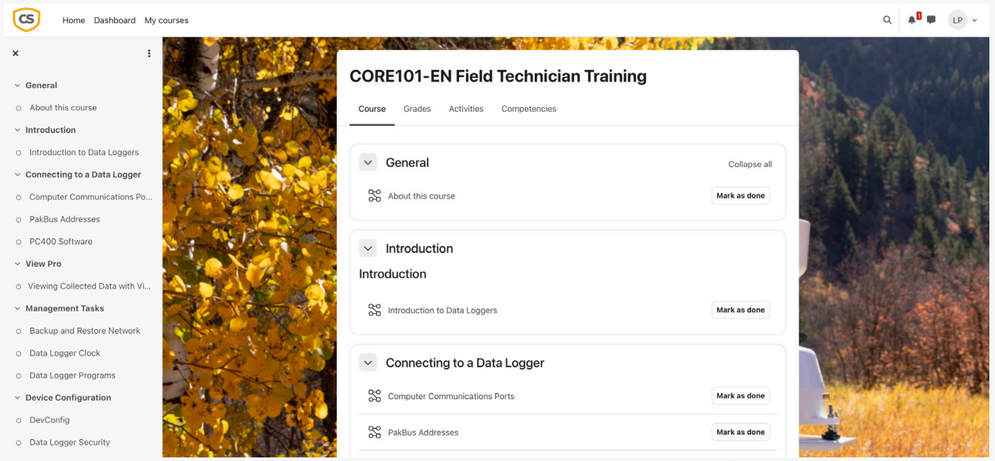
Campbell Scientific Learning Center



Campbell Scientific Learning Center

Campbell Scientific training has historically consisted of time-bound in-person and online training. The Campbell Scientific Learning Center expands our training availability beyond a live training offering, providing customers with the flexibility they sometimes need when time is scarce.

The courses are delivered using an online learning management system, and course navigation is quick to learn. The courses are divided into topics with lessons and quizzes. Lessons feature written resources, recorded tutorials, and hands-on activities to deepen understanding.



There are three courses available:

CORE101 | Field Technician Training

This course is intended to provide an introduction to Campbell Scientific software and hardware. No prior product knowledge is required.

The course provides working knowledge for those using Campbell Scientific products in a field technician role. It also serves as a foundation for more advanced courses.

Many lessons in the course include video content.* We try to also provide the important information from the videos in written form. We hope the combination of written and video content will provide an enhanced learning experience.

Syllabus

1. Introduction
2. Connecting to a Data Logger
3. View Pro
4. Management Tasks
5. Device Configuration Utility (DevConfig)
6. Data Tables
7. Power System Design
8. Station Setup Example
9. System Grounding
10. Verifying the Measurements
11. Troubleshooting the Measurements
12. Station Maintenance
13. Final Exam

* Please note that the Learning Center videos are in English only.

CORE201 | LoggerNet Software

This course will help the student become familiar with LoggerNet software and each of its components. It will help with navigation, as well as indicating which apps or modules will be useful to help the student quickly accomplish tasks.

It will introduce how to set up the computer to communicate with the measurement equipment and how to perform tasks such as collect data, view data, and monitor network connections.

Syllabus

1. LoggerNet Overview
2. Setup
3. Connect
4. Status Monitor
5. Short Cut
6. CRBasic Intro
7. RTMC Development
8. RTMC Run-Time
9. View Pro
10. Troubleshooter
11. Network Planner
12. PakBus Graph
13. Device Configuration Utility (DevConfig)
14. Task Master
15. Hole Monitor
16. Cora Script
17. Data Filer
18. Data Export
19. Terminal Emulator

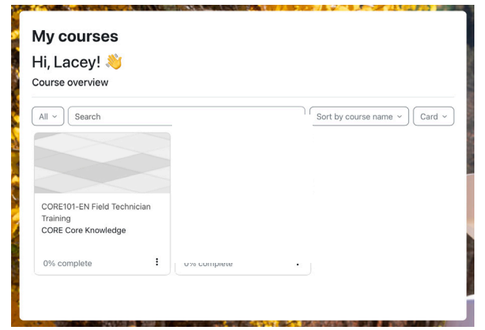
CORE202 | CRBasic Programming

This course is designed to help students use the CRBasic Editor to modify programs from the Short Cut program generator to take the functionality to a more advanced level.

The course will require the student to create programs and send them to a remote data logger at the Campbell Scientific bank of data loggers and see the program results in real time.

Syllabus

1. CRBasic Editor Features
2. Fundamentals of CRBasic (variables, tables, control, conditional tables, loops)
3. Measurements (arrays, pulse measurements, resistive bridge measurements, parameters, program timing, SDI-12)
4. Channel Usage and Creating Wiring Diagrams
5. Complete Station Programming
6. Storage Expansion



If your role only requires the skills from CORE101, simply register for CORE101, as our goal is to provide training that meets each individual's exact needs. However, if all courses are beneficial, you can register for the three courses as a bundle.

A key advantage of the Learning Center is the self-paced format. We understand that Campbell Scientific clients are working professionals. It can be difficult to stop other work for a week to focus on training. Customers also reside in every time zone. The self-paced classes fit into your individual schedule.

Even though the courses are self-paced, the courses feature a start and end date. Studies have shown that having a deadline is important to help students be motivated and successful. A focused student could complete the course in less than half the time allowed. If you are busy, the time allowed is sufficient to work the course into your schedule and finish on time.

Campbell Scientific | Working to advance science and technology for the benefit of humankind

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.

	Learning Center	Live, Virtual	Live, In Person
Travel Required	No	No	Yes
Format	Prerecorded videos, reading materials, and assignments	Video conference over Microsoft Teams	Face-to-face
Schedule	Self-paced to fit your personal work schedule	Fixed	Fixed
Equipment Use	Remote connection, prewired	Remote connection, prewired	Hands-on experience
Instructor Assistance	Email	Real-time	Real-time
Relative Cost	$	$$	$$$
Comment	Content is divided into smaller courses. Take only the courses you need.	This is a popular option for live interaction when travel is difficult.	Network with other customers and tour our facility.

Frequently Asked Questions for Campbell Scientific Learning Center Training

1. **Do I need to have a data logger on my desk for this course?** No. We will have a remote data logger for you to use.
2. **What software is required?** LoggerNet versions 4.x or greater will work. PC400 is another possibility.
3. **How many hours will it take to complete each of the courses?** Each course can be completed in approximately 8 hours. If you take all three courses, you can expect to spend 24 hours of work study/programming in total.
4. **How long do students have to finish the course?** You will have 30 days to finish.
5. **Does the student need to have internet access to take the course?** Yes. You will be set up with a username and password, and when you log in, you will be able to work through the lessons and assignments online.

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

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