



Citect Training Courses

Specialized education to help you fully utilize your SCADA software

AVEVA[™]

CONTENT

EDUCATIONAL SERVICES 3

 eLearning 5

●●○ INTERMEDIATE

Citect SCADA™ Configuration 8

Citect SCADA Configure the Workspace and Adopting Situational Awareness 9

Citect SCADA Programming with Cicode 10

●●● ADVANCED

Citect SCADA Architecture and Redundancy 12

New skills
acquired

+

Immediate
application

+

Visible return
on investment

= Successful training

Educational Services

Educational Services offers a suite of programs and courses designed for end-users, engineers, system integrators, technical colleges, universities and educational establishments. Our courses provide you with hands-on experience, leaving you feeling confident to design and configure your own systems. Our programs are designed to facilitate the latest knowledge and application of Citect SCADA™.

Courses include instructor-led, online and onsite offerings for the Citect SCADA. They include configuration and programming courses, networking courses, as well as introductory courses for Citect SCADA.

Our offers include:

- > **Instructor Led Training** live product training that includes lectures and hands-on labs to practice concepts and procedures. Accelerate learning by attending scheduled classes, both face-to-face and virtually
- > **eLearning** - new eLearning solution which provides learners with a high quality and engaging learning experience
- > **Self-Paced Training Kits** - for customers who are willing to take self-paced training in their own time.
- > **Academic Program** provides tertiary institutions with access to instructor courseware which may be used to construct your own courses in related fields.
- > **Certified Expert Program (CEP)** distinguishes and recognizes individuals skilled in the integration of Aveva technology-based automation projects
- > **Certified Training Provider (CTP)** program certifies the distributors in order to provide consistent training to our customers on a local basis and provide the same quality of training worldwide. Certified Distributor instructors follow the same rigorous training requirements as do AVEVA Corporate trainers, and use the same high-quality training materials.

Educational Services provides multi-level courses for end-users, engineers and system integrators. All authorized courses have a limited number of spaces to ensure participating students get the most out of each course and access to an experienced instructor.

For face-to-face Instructor Led Training, each student is allocated a PC which is pre-configured with the relevant applications and software needed throughout the course. For virtual training, students will be provided with virtual classroom details upon registration.

Benefits

- Ensure the future of your SCADA system
- Minimize downtime and business interruption
- Network with peers and share experiences of working with SCADA

Course Materials

Supplied materials will depend on your location. Please consult with your local distributor or representative for further details.

Bookings

Contact your local Distributor or email us at educational.services@aveva.com



eLearning

“I find the interactive nature of the eLearning modules very engaging and the quizzes at the end of each module were really helpful”

“The internet is becoming a classroom. I think eLearning is a growing market and these modules will make knowledge and information more accessible for more people around the world”

“For an older engineer with 20 years of experience with Citect, it is helpful to see the new capabilities and how to apply them instead of doing things the same old way”

eLearning

The digital learning evolution has arrived.

Empower your workforce with easy online access to training content anytime, anywhere, on any device and overcome training hurdles such as scheduling and travel, whilst saving time and money.

Our eLearning solution provides you with a high quality, engaging learning experience.

Features Include:

- > Concise, easy to absorb modules ranging 30-60 minutes in duration
- > Experience-level based learning journeys/scenarios
- > Animated & informative technical explanations
- > Interactive software simulations
- > Practice your skills right away with integrated exercises using real world examples
- > Test your knowledge post-instruction with multiple choice questions/challenges

How to access the eLearning modules?

You can purchase the eLearning modules you are interested in from

<https://sw.aveva.com/training/citect>

Note that the pricing for all eLearning are in \$USD. By purchasing an eLearning, you will receive unlimited access for 12 months from the date of registration.

eLearning Types

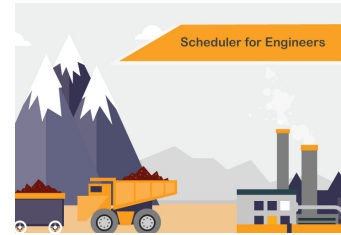
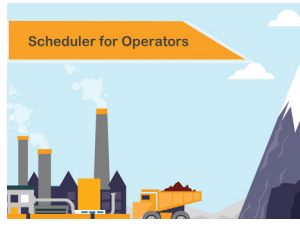
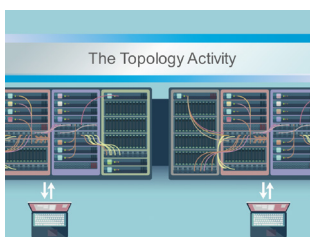
Curriculum - Package of Individual modules

Module - Individual course based on a topic/feature

You can purchase a curriculum or individual modules based on your requirements.

Your progress is bookmarked and completion is tracked.

eLearning Samples



eLearning

eLearning Library (as of 2/09/2019)

We add new eLearning titles to the library every few months, so remember to check back.

Version	eLearning Type	Course/Module Title
Citect SCADA 2015	Curriculum	CS Configuration 2015 Training Course Curriculum
Citect SCADA 2015	Module	Module 1: Introduction
Citect SCADA 2015	Module	Module 2: Communications
Citect SCADA 2015	Module	Module 3: Graphics
Citect SCADA 2015	Module	Module 4: User Interactions
Citect SCADA 2015	Module	Module 5: Equipment
Citect SCADA 2015	Module	Module 6: Genies
Citect SCADA 2015	Module	Module 7: Popups
Citect SCADA 2015	Module	Module 8: Alarms
Citect SCADA 2015	Module	Module 9: Devices and Events
Citect SCADA 2015	Module	Module 10: Trends and Reports
Citect SCADA 2015	Module	Module 11: Menu and Security
Citect SCADA 2015	Module	Understanding Equipment
Citect SCADA 2015	Module	Configuring Equipment
Citect SCADA 2015	Module	Understanding Alarms
Citect SCADA 2015	Module	Processing Alarms
Citect SCADA 2015	Module	Managing and Configuring Alarms
Citect SCADA 2015	Module	Running as a Windows™ Service
Citect SCADA 2015	Module	Scheduler for Operators
Citect SCADA 2015	Module	Scheduler for Engineers
Citect SCADA 2015	Module	Managing Computers and Versions
Citect SCADA 2016	Module	What's New in Citect SCADA 2016
Citect SCADA 2016	Module	Configuring Deployment Server and Client in Citect SCADA 2016
Citect SCADA 2016	Module	The Topology Activity in Citect SCADA 2016
Citect SCADA 2016	Module	Managing Computers and Version in Citect SCADA 2016




INTERMEDIATE




Citect SCADA Configuration

Citect SCADA Configuring the Workspace and Adopting Situational Awareness

Citect SCADA Programming with Cicode



“Easy to follow, plenty of information to take home and awesome folder to take home as well...”



“Very beneficial, I would eagerly send any staff to Citect courses knowing they provide a high level of training and understanding”

Configuration

Course Description

Gain insight into Citect SCADA project design and become familiar with new integrated engineering interface called Citect Studio.



Intermediate Level

4 Days
Instructor-Led Course
(Virtual or Face-Face)

Learn how to design a project from start to finish and configure various features, including equipment hierarchy. This interactive course includes hands-on practice with plant control, data collection, trending and reporting.

Audience

- > Individuals who want to become familiar with Citect SCADA project development techniques
- > Citect SCADA users including engineering staff, maintenance staff and plant supervisors
- > Technical users who maintain and improve their installed Citect SCADA and control systems
- > Managers who want more than a basic understanding of Citect SCADA
- > Citect SCADA system integrators and designers

Prerequisites

- > It is essential that students are familiar with Microsoft® Windows operating system
- > Experience in PLC control system design and/or programming is desirable

Course Outline

- > Introduction to Citect
- > Overview of the Citect Studio
- > Project Management
- > Define a Topology
- > System Model
- > Equipment
- > Graphics
- > Operator Input
- > Genies
- > Popup Pages
- > Devices
- > Events
- > Alarms
- > Process Analyst
- > Page Management
- > Reports
- > Security

Configuring the Workspace & Adopting Situational Awareness

Course Description

Gain insight into Workspace feature of Citect SCADA to modernize operations and simplifying the engineering experience.

Learn the latest features such as Context-Aware Workspace, comprehensive Situational Awareness library and enhanced Alarm Management feature.



Intermediate Level

1 Day
Instructor-Led Course
(Virtual or Face-Face)

Audience

- > Individuals who want to become familiar with Citect SCADA project development techniques
- > Citect SCADA users including engineering staff, maintenance staff and plant supervisors
- > Technical users who maintain and improve their installed Citect SCADA and control systems
- > Managers who want more than a basic understanding of Citect SCADA
- > Citect SCADA system integrators and designers

Prerequisites

- > It is essential that students are familiar with Microsoft® Windows operating system
- > It is also recommended that students have attended a Citect SCADA Configuration course or have at least six months experience in Citect SCADA design
- > It is beneficial if students are familiar with Situational Awareness principles and guidelines

Course Outline

- > Situational Awareness Projects
- > Prepare Equipment Definitions
- > Create Content Pages
- > Enable Navigation
- > Add Library Objects to Pages
- > Configure and Manage Alarms
- > Associate Faceplates with Equipment
- > Add Contents to a Level 2 Page
- > Interlocks

Programming with Cicode

Course Description

Get insight into the major features of the Cicode™ language and learn how to apply, formulate and troubleshoot Cicode programming solutions with this totally redesigned course.

This hands-on, interactive course is aimed at users with no previous programming experience, and is also useful for experienced users who wish to become familiar with Cicode.



Intermediate Level

2 Days
Instructor-Led Course
(Virtual or Face-Face)

Audience

- > Programmers and non-programmers who want to become familiar with the Cicode language
- > Citect SCADA system integrators and designers
- > Technical users who wish to maintain and improve their installed Citect SCADA and control systems

Prerequisites

- > It is essential that students are familiar with Microsoft® Windows operating system
- > It is also recommended that students attend the Citect SCADA Configuration course prior to attending Programming with Cicode or have a good working experience with Citect SCADA
- > A general understanding of PLC communication is desirable

Course Outline


- > The Cicode Development Environment
- > Introduction to Programming
- > Functions
- > Variables and Data Types
- > Arguments and Return Functions
- > Logics and Statements
- > Input and Output
- > Flow Control
- > Complex Data Structures
- > Using Cicode Programming Standards
- > Cicode Debugger
- > Programming Projects




ADVANCED



Citect SCADA Architecture and Redundancy



“The training course I attended used up-to-date material which was presented in a user friendly manner that explained all aspects I needed to run the software successfully.”



“This training has saved me many potential hours of setup for future projects. It was very helpful and will be put to good use...”

Architecture & Redundancy

Course Description

Gain advanced networking skills and knowledge. Discover the Topology and Deployment features of Citect SCADA.

Learn more about clustered control systems, online changes, and advanced security concepts.



Advanced Level

2 Days
Instructor-Led Course
(Virtual or Face-Face)

Audience

- > Individuals who are responsible for the design and maintenance of the SCADA network
- > Network administrators who need to understand how Citect SCADA is configured on their network
- > Citect SCADA system integrators and designers
- > Technical users who maintain and improve their installed SCADA and control systems

Prerequisites

- > It is essential that students are familiar with Microsoft® Windows operating systems
- > It is also recommended that students have attended a Citect SCADA Configuration course or have at least six months experience in Citect SCADA design

Course Outline

- > Citect SCADA Architecture
- > Citect SCADA Redundancy
- > Online Changes
- > Clustered Control System
- > Project Deployment
- > System Security



For more information, contact us at educational.services@aveva.com

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