

Rockwell Automation Mining Solution

RAMS: Mining Solutions



Course Agenda

Day 1

- Course Overview
- Introduction to Rockwell Automation Mining Solution
- Introduction to FactoryTalk Transaction Manager

Day 2

- Configuring a Rockwell Automation Mining Solution system
- Navigating a Rockwell Automation Mining Solution System
- Setting up the Virtual Environment
- Transaction Manager uploads

Day 3

- Interacting with a RAMS System
- Introduction to Control Modules
- Users, Security, Alarming and Substitute PV
- Control Modes and Ownership
- Interlocks

Day 4

- Add a Digital Control Module
- Add a Analog Control Module
- Additional SCADA settings



Course Number CCM102

Course Purpose

Upon completion of this course, given a functional specification for a **Mining Solution** application, you should be able to develop a project to meet the specification requirements.

This course covers tasks common to the following hardware, which all use the Logix5000 control engine:

- Studio 5000 emulator
- Studio 5000 software
- FactoryTalk SE

You can gain a deeper understanding of **Mining Solution** application. Such tasks include **Transaction manager**, **High Level AOI's application** and use in the **RAMS development application** codeusing **Studio 5000**.The development of **Control modules**.

You will also use **FactoryTalk SE** as the basis of the **SCADA** used in **RAMS**

LISTEN.
THINK.
SOLVE.

Who Should Attend

RAMS users.

Prerequisites

To successfully complete this course, the following prerequisites are required:

- Ability to perform basic Microsoft Windows tasks
- Knowledge of common controller terms and operation through experience or one of the following courses:
 - *Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals* (Course No. CCP146)
 - *RSTrainer for ControlLogix Fundamentals* computer-based training (9393-RSTCLX)
- Ability to write basic ladder logic with common instructions, such as bit, timer, counter, move, and comparison instructions through experience or this course:
 - *Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming* (Course No. CCP151)
- *Should be able to organize and develop FactoryTalk® View Site Edition (SE) applications* (Course No. CCV207)

Technology Requirements

All technology is provided for student use in the classroom by Rockwell Automation. It is not necessary for students to bring any technology with them when attending this course.

Student Materials

To enhance and facilitate the student's learning experience, the following materials are provided as part of the course package:

- *Student Manual:*
 - Includes the key concepts, definitions, examples, and activities
- *Lab Book:*
 - Provides learning activities and hands-on practice

Hands-On Practice

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises. Exercises focus on the skills introduced in each lesson.

Course Length

This is a four-day course.

To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley® Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules. You can also access course information via the Web at <http://www.rockwellautomation.com/training>

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