Engineering and Automation II, Course 2000

This Vinson Process Controls Company course is designed for those responsible for installing, configuring, monitoring, troubleshooting, and and gathering data using ROCLink 800 and Remote Operations Controllers (ROC) RTUs. The primary focus of this course is to provide a broad experience in advanced control for multiple applications and integration into SCADA.

Overview This 3-day course provides fundamental skills necessary to:
• Design and configure advanced PID control for both analog and discrete control applications
• Design and build specialized logic control using Function Sequence Tables (FST)
• Advanced control applications using Cause and Effect, Surface Controls, and Calculation Blocks
• Understand communication signals, Roc and Modbus Protocols
• Using ROC or Modbus efficiently in a communication system and SCADA
• Production Manager Series of Software Applications
• Wireless Solutions
This course provides maximum hands on time with ROC 809 flow computers and ROCLink 800 software

Prerequisite Course 1000 or personnel with prior experience working with the ROC RTU and ROCLink software in the operation and maintenance of associated measurement and control equipment.

Topics
• Advanced PID Control
  - Analog/Discrete
  - Over Ride Control
• Control Applications
  - Surface Control (Logic, Alarm, Calculation Blocks and Utilities)
  - Cause and Effect
  - Function Sequence Tables (FST) Programming
• Advanced Communications

  - ROC Protocol, Opcodes and Opcode Tables
  - Modbus Protocol, Master and Slave
  - Serial Signals (RS232, RS485, Ethernet)
• Remote Automation Solutions (RAS) Wireless Solutions
  - IEC 62591 Wireless Interface (WiHART) and its Components
  - Wireless Distributed RTU Network (DRN) and its Components
• Production Manager Suite of Software
  - Well Optimization, Tank Manager, Chemical Manager, Well Test, Local Display (Beijer)

Price $1,495 USDL per student

Locations

Locations	2020 Course Dates
Lewisville, TX	3/10
Oklahoma City, OK	4/7, 7/7
Odessa, TX	5/19, 8/18, 10/27

Course Locations: Vinson Process Controls Company, LP   Lewisville, TX   Odessa, TX   OKlahoma City, OK

Course Times/Meals: 3 Days - Starting Tuesday at 8:00 am through 4:00 pm on Thursday. Lunch will be provided each day.

To Enroll or for More Information Contact: Vinson Process Controls at 972-459-8200 or RASTraining@vinsonprocess.com
ROC 809 Flow Computers will be used in the training furnished by Vinson Process Controls. Upgrades to ROCLINK800 will be available to licensed users if required. Laptop and LOI cable to be furnished by each student. https://www.vinsonprocess.com/training/

Registration Deadline/Payment Information: 2 weeks prior to course start date. Purchase order/payment is required at time of enrollment, credit cards accepted.

Cancellations: You may cancel your reservation up to 14 days prior to the start of the course without incurring a cancelation charge. Limited enrollment makes it necessary to charge 50% of the full tuition for cancellations received during the 14 days prior to start of the course and full tuition for failure to attend without cancelling. Substitutions are accepted until the first day of class. Vinson Process Controls Company, LP reserves the right to cancel or reschedule courses due to insufficient students with a full refund to registered students. Any necessary cancellations will be announced a minimum of 72 hours prior to the start of class.