

THIS CERTIFICATE IS PRESENTED TO

Steven Heidtke

Who has been formally evaluated for demonstrating the highest levels of knowledge and skills and, as such, is bestowed the following NC3 Global Credential.

Introduction to PLC Programming - Allen-Bradley

COLLABORATE IN THE CLASSROOM. COMPETE IN THE MARKETPLACE.


Thomas Lichtenberger, President & CEO
Festo Didactic, Inc.


Roger Tadajewski, NC3 Executive Director



THIS CERTIFICATE IS RECOGNIZED BY:

FESTO



06/12/2018

Date Completed

FESTO

NC3 Certification Center

Steven Heidtke has displayed competency of the content listed below through both cognitive and skill based assessments.

- Understanding of the fundamentals of PLC Automation Systems to include, PLC operation, terminology, and processing of inputs and outputs.
- Understanding of addressing to include base tag, alias tag, data types, and number systems.
- Understanding of programming languages and the IEC 61131-3 standard to include ladder logic, sequential function chart, function block diagram, structured text, and instruction list.
- Understanding of the location of the PLC program, downloading, uploading, and nonvolatile memory.
- Understanding of troubleshooting using the PLC software and downloading a project to the PLC.
- Performing the initial set up and network configuration of the PLC.
- Demonstrating how to verify communication of the PLC using the Window Command Prompt and RSLinx Classic.
- Demonstrating familiarization of the Start page, Help Menu, how to open and existing project, and examining the structure of the PLC program, and downloading the project to the PLC in Studio 5000.
- Demonstrating familiarization with restoring an HIM application, displays, network configuration, creating the runtime file, loading the HMI application, using the application, and analyzing ladder rungs in FactoryTalk View Studio.



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