

COURSE NAME Ascent DDC Programming Course.

FORMAT Instructor Led Training in a lab-intensive, real-world environment.

DURATION One Week (32 hours over five days).

SCHEDULE Mon-Thu 8:30am to 5:00pm with one hour for lunch and two 15-minute breaks.

Friday 8:30am to 1:00pm – The exam on Friday is required in order to receive a certification of completion. No exceptions will be granted.

Do not arrange for travel home before 3:00pm on Friday.

ASSESSMENT A comprehensive written exam.

AUDIENCE

Building automation and control system application engineers and programmers.

OVERVIEW

This course emphasizes DDC development. The class will cover all DDC code devices available in BACtalk. This is a lab intensive course allowing students the opportunity to gain practical experience writing DDC code for VLCs and Global Controllers/Building Controllers.

OBJECTIVES

After completion of this course students will be able to:

- Create and modify DDC programming for VisualLogic Controllers (VLCs).
- Create/assemble control strategies in VisualLogic for Global Controllers/Building Controllers utilizing subroutines.
- Implement the BACtalk PI function in VLC DDC, and effectively tune a proportional-integral DDC loop.

PREREQUISITES

- Knowledge of basic HVAC terms, principles, and concepts.
- A working knowledge of Compass, as you will be required to use Device Manager and create graphical displays to support testing of the DDC.
- At least twenty four months on-the-job experience working with Alerton's BACtalk and Ascent systems.
- Although not required, a successful completion of the Ascent Fundamentals Online Course would be advantageous.

RESOURCES

COMPASS PROGRAMMERS GUIDE (LT-CMPSRGRMR Rev. 01 April 2018)