

**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:

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- 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

*BACtalk System Programmers Guide and Reference (LTBT-TM-PRGRMR)*

Alerton Reserves the right to revise or update this training course syllabus without prior notice.