

Note:

Rev 1.

Building Services Engineer planning to transition into the BMS field. To achieve the goal, I have committed to expand knowledge & skills of HVAC controls through a self-paced training, both informal and formal learning.

I have completed Technician Path in Programming with Smart Buildings Academy (<https://www.smartbuildingsacademy.com/>, this path is not available anymore) and Tridium Niagara 4 Certification Program (certification on request) – both courses were self-funded.

Recently, I have signed up to BMS Professional Development Membership (Lifecycle Controls, paid) which comprises a set of courses such as Points list design (completed), Control panel design (completed), BMS for Mechanical Consultants (work in progress), Project Management for Engineers (work in progress). Network design coming March 2025. Also, I have completed small mini courses offered by Lifecycle Controls.

In addition, to courses listed above, I have enrolled mentoring program with the training company based in the UK – this course is more focused on the practical aspects of design, build and testing of control panels.

For informal training, I have purchased a set of books about the HVAC controls (e.g. BAS Input and Output Devices, Building Management Systems Explained), including documents from ASHREA (Guideline 13-2024, 36-2021).

Lastly, I have broadened my knowledge of Modbus, BACnet (Udemy courses) and in general IT networks (Ethernet, OSI Layers, IP addressing).

As you can see, I have invested funds, and especially time, to acquire knowledge & skills about BMS / HVAC controls. I am familiar with all type of HVAC systems in depth for commercial and industrial applications. I design ones, hence understanding of underlying HVAC process is a must...at part & design conditions.

The only missing bit is “time served experience”