

AIR-91 — ADVANCED BUILDING CONTROL NETWORKS

About This Course

3.00 units

Prerequisite: AIR-90

Description: Building Control Network implementations and protocol standards including web based applications, Building Automation and Control Networks (BACnet), local operating network (Lon-Talk), and proprietary Zero Net Energy (ZNE) monitoring systems will be introduced. BACnet is a communications protocol for building automation and control networks. It is an ASHRAE, ANSI, and ISO 16484-5 standard [1] protocol. Lon-Talk is a networking platform specifically created to address the needs of control applications. Routers, installation, and troubleshooting will also be studied. 36 hours lecture and 54 hours laboratory. (Letter grade only)