

GPTC BAS PROGRAM STRUCTURE



Building Automation Systems Program (All Tools Listed are Required for Each BAS Course)

Required Tool List for Program

(pdf packet)

- 1/ Tool Box
- 2/ Refrigeration Gauges with Quick Couplers
- 3/ Service Wrenches (1/4", 3/8")
- 4/ Safety Goggles
- 5/ Leather Gloves
- 6/ Pocket Thermometers (2) 0-20 deg. F.
- 7/ 6" Crescent Wrench
- 8/ 8" Crescent Wrench
- 9/ 12" Crescent Wrench
- 10/ 10" Channel Pliers
- 11/ Open Box End Wrench (3/8", 1/2", 9/16", 5/8", 3/4")
- 12/ Full Allen Wrench Set
- 13/ Respirator Masks
- 14/ Pocket Flashlight
- 15/ Tape Measure (25')
- 16/ Clamp-on Digital Voltmeter
- 17/ Wire Strippers 2 pair (1 small gauges, 1 medium gauges)
- 18/ 2 Control Screwdrivers (flathead)
- 19/ 4" Common Screwdriver (3/16" x 4")
- 20/ 6" Common Screwdriver (1/4" x 6")
- 21/ 4" Phillips Screwdriver #1 & 6" Phillips Screwdriver #2
- 22/ Conduit Bender with 1/2" & 3/4" Heads
- 23/ Needle Nose Pliers
- 24/ Wire Crimpers
- 25/ 9" Torpedo Level
- 26/ Full Nut Driver Set (1/4", 5/16", 3/8", 7/16", 1/2")
- 27/ 8" Lineman Pliers
- 28/ Conduit Bender with (1/2" & 3/4" Heads)
- 29/ 1 Infrared Handheld Temperature Sensor
- 30/ 1 Handheld Humidity Sensor
- 31/ Voltage Proximity Sensor (2) (1 Low Voltage & 1 High Voltage)
- 32/ Laptop Computer with Windows (Any brand will do)
- 33/ Echelon Lonworks Network Card (Either USB or PCMCIA)

BEST Center Curricula, Resources & Recordings

Academic Programs

Georgia Piedmont Technical College - Building Automation Systems

Milwaukee Area Technical College - Sustainable Facilities Operations

Laney College - Commercial HVAC Systems

City College San Francisco - Commercial Building Energy Analysis & Audits

Professional Development Materials, Presentations & Videos

National Institutes

Building Automation Systems Instructor Workshops

Webinars (e.g., BEST Talks)

Faculty Profile Videos

Reports & Case Studies

Marketing Resources

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