

MATERIALS OF GPTC BUAS PROGRAM

<i>BAS Course (Cr. Hrs. / CRN #)</i>	<i>Textbook Title</i>	<i>ISBN 13#</i>	<i>Author / Publisher</i>
BUAS 1010 (2 / 48936) BAS Fundamentals	Materials Provided		
BUAS 1020 (3 / 48937) BAS Electrical Concepts I	"AC/DC Principles" "AC/DC Principles Workbook" "Troubleshooting Elect. Systems"	978-0-8269-1350-0 978-0-8269-1351-7 978-0-8269-1791-1	Paul T. Shultz / ATP ATP Staff Mazur & Proctor / ATP
BUAS 1030 (3 / 48938) BAS Electrical Concepts II	"AC/DC Principles" "AC/DC Principles Workbook" "Troubleshooting Elect. Systems"	978-0-8269-1350-0 978-0-8269-1351-7 978-0-8269-1791-1	Paul T. Shultz / ATP ATP Staff Mazur & Proctor / ATP
BUAS 1040 (3 / 48939) BAS Devices	Materials Provided		
BUAS 1050 (3 / none yet) BAS Network Architecture	"CompTIA Network+ 2009"	978-1-59863-878-3	Dean / Cengage Learning
BUAS 1060 (3 / 48940) BAS Adv. Electrical Concepts	"AC/DC Principles" "AC/DC Principles Workbook" "Troubleshooting Elect. Systems" "Industrial Electrical Troubleshooting"	978-0-8269-1350-0 978-0-8269-1351-7 978-0-8269-1791-1 978-0-7668-0603-0	Paul T. Shultz / ATP ATP Staff Mazur & Proctor / ATP Lundquist / Delmar
BUAS 2010 (3 / 48941) BAS Commercial HVAC Systems & Controls	"Mech. & Elect. Equip. for Buildings, 2e" "HVAC Control Systems" "HVAC Ctrl Systems Wrkbk" Building Automation Control Devices & Applications	978-0-470-19565-9 978-0-8269-0757-8 978-0-8269-0758-5 978-0-8269-2000-3	Stein / Wiley Auvil / ATP Auvil / ATP NJATC / ATP
BUAS 2020 (4 / 48942) BAS Logic & Programming	"Starting out with Alice, 2e" "Starting out with Java, 4e"	978-0-321-54587-9 978-0-13-608020-6	Gaddis / Addison-Wesley Gaddis / Addison-Wesley
BUAS 2030 (4 / 48943) BAS Design & Installation	"NEC 2011 Handbook" "Comm. & Ind. Wiring" "Ugly's Elect. Ref. 2011" "Ugly's Elect. Safety & NFPA 70E" "Ugly's Elect. Motors & Controls" "Ugly's Conduit Bending"	978-0-8776-5916-7 978-0-8269-2075-1 978-0-7637-9099-8 978-0-7637-6855-3 978-0-7637-7254-3 978-0-7637-8314-3	Early & Sargent / NFPA Barnett / ATP Jones & Bartlett Publishers Jones & Bartlett Publishers Jones & Bartlett Publishers Stanfield / Jones & Bartlett
BUAS 2040 (5 / 48944) BAS Integration	Building Automation System Integration with Open Protocols	978-0-8269-2012-6	NJATC / ATP
BUAS 2050 (5 / 48945) BAS Internship	No textbook required		

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Milwaukee Area Technical College - Sustainable Facilities Operations

Laney College - Commercial HVAC Systems

City College San Francisco - Commercial Building Energy Analysis & Audits

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National Institutes

Building Automation Systems Instructor Workshops

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