



Building Automation Systems Technician DIPLOMA

MAJOR CODE: BAS4 REQUIRED CREDIT HOURS: 51 CIP Code: 47.0201

Location(s): DeKalb

Program Description: As a Building Automation Systems Technician the student will be prepared for a career in the Building Automation (also Energy Management and Controls) Industry. This industry encompasses a broad range of current technologies and disciplines to maintain comfort, control, and energy savings in residential and commercial HVAC systems. The student will be prepared to install, service, and sell controls equipment including but not limited to access controls, fire alarm systems, lighting controls, and HVAC control systems. All commercial buildings now have some form of automation system and current technologies are integrating many of these systems into one. Graduates of this program will have the tools necessary to gain entry into this high paying and rewarding field.

Course Number	Course	Credit Hours	Pre/Co-Requisite(s)
AIRC 1005	Refrigeration Fundamentals	4	
AIRC 1010	Refrigeration Principled and Practice	4	Co-req: AIRC1005
AIRC 1020	Refrigeration System Components	4	Co-req: AIRC1010
MATH 1013	Algebraic Concepts	3	Refer to Catalog
BUAS1010	BAS Fundamentals	2	AIRC1020
BUAS1020	BAS Electrical Concepts I	3	AIRC1010, Co-req BUAS1010
BUAS1030	BAS Electrical Concepts II	3	BUAS1020
ENGL 1010	Fundamentals of English I	3	Refer to Catalog
BUAS1040	BAS Devices	3	BUAS1020, Co-req BUAS1030
BUAS1050	BAS Network Architecture	3	BUAS1020
BUAS1060	BAS Advanced Electrical Concepts	3	BUAS1030
COMP 1000	Introduction to Computer Literacy	3	Refer to Catalog
BUAS2010	BAS Commercial HVAC/R and Controls	3	BUAS1030
BUAS2020	BAS Logic and Programming	4	BUAS1030, Co-req BUAS2010
BUAS2030	BAS Design and Installation	4	BUAS1030, Co-req BUAS2010
EMPL 1000	Interpersonal Relations and Professional Development	2	Refer to Catalog
Total		51	

Notes

- Course descriptions, and required pre/co-requisites are available in the college catalog, which can be found online at <https://www.gptc.edu/current-students/course-catalog/>.
- Changes to program requirements can be made and will be properly communicated to students.

Gainful Employment Information

- Gainful employment information for this program can be found at:
<https://www.gptc.edu/Building%20Automation/BuildingAutomationGE.html>

Additional Information

- As set forth in its student catalog, Georgia Piedmont Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, veteran status, or citizenship status(except in those special circumstances permitted or mandated by law). Contact Lisa Peters, the ADA Coordinator at 404-297-0522, ext. 1154, ADA504Coordinator@gptc.edu or at the main DeKalb campus, 495 N.Indian Creek Drive, Clarkston, GA 30021, Room A-170; or Dr. Debra Gordon, the Title IX Coordinator, at 404-297-9522, ext. 1176, TitleIXCoordinator@gptc.edu or at the main DeKalb campus, 495 N. Indian Creek Drive, Clarkson, GA 30021 Room A103 for assistance.
- For more information about our graduation rates and other important program information, please visit our website at: <http://www.gptc.edu/wp-content/uploads/2018/02/Placement-rate-by-program.pdf>
- Georgia Piedmont Technical College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award Associate of Applied Science degrees, diplomas and technical certificates of credit. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Georgia Piedmont Technical College. The Commission should be contacted only if there is evidence that appears to support Georgia Piedmont Technical College's significant non-compliance with Commission requirements or standards. Inquiries related to normal and ongoing College operations such as admission requirements, financial aid, programs, etc., should be addressed directly to Georgia Piedmont Technical College and not to the Commission on Colleges.