



**AIR CONDITIONING TECHNOLOGY
FIVE SEMESTER ASSOCIATE IN APPLIED SCIENCE DEGREE**

MAJOR CODE: ACT3

REQUIRED CREDIT HOURS: 66

CIP Code:47.0201

Program Description: The Air Conditioning Technology program is a sequence of courses that prepares students for careers in the air conditioning industry. Learning opportunities develop academic, occupational, and professional knowledge and skill required for job acquisition, retention, and advancement. The program emphasizes a combination of theory and practical application necessary for successful employment.

Number	Course Name	Credit Hours	Prerequisites/Corequisites
Technical Courses			
AIRC 1005	Refrigeration Fundamentals	4	
AIRC 1010	Refrigeration Principled and Practice	4	Co-req: AIRC1005*
AIRC 1020	Refrigeration System Components	4	Co-req: AIRC1010*
AIRC 1030	HVACR Electrical Fundamentals	4	Pre-req: AIRC1020 Co-req: MATH1012*
AIRC 1040	HVACR Electrical Motors	4	Co-req: AIRC1030*, MATH1012*
AIRC 1050	HVACR ELCT Components and Control	4	Co-req: AIRC1040*, MATH1012*
AIRC 1060	Air Conditioning System Applications and Installation	4	Co-req: AIRC1050*, MATH1012*
AIRC 1070	Gas Heat	4	Co-req: AIRC1060*, ENGL1010*
AIRC 1080	Heat Pumps and Related Systems	4	Pre-req: AIRC1010, AIRC1030 Co-req: AIRC1090*, ENGL1010*
AIRC 1090	Troubleshooting Air Conditioning Systems	4	Pre-req: AIRC1010, AIRC1030 Co-req: AIRC1060*, AIRC1070*, ENGL1010*
AIRC 2040	Residential Systems Designs	4	Co-req: AIRC1080*, AIRC1090*, ENGL11XX*, MATH11XX*
AIRC 2070	Commercial Refrigeration Design	4	Co-req: AIRC1090, AIRC2004 MATH11XX*
COMP 1000	Introduction to Computer Literacy	3	Pre-req: READ0097 or Equivalent test scores

General Studies Courses

ENGL 1101	Composition and Rhetoric	3	Pre-req: Appropriate Degree Level Reading and Writing (English) Placement Test Scores
MATH 11XX	College Level Math	3	Pre-req: See Catalog for Details
Area II - Social / Behavioral Sciences Elective		3	Pre-req: See Catalog for Details
Area IV - Humanities / Fine Arts Elective		3	Pre-req: See Catalog for Details
Area II, III, IV Elective		3	Pre-req: See Catalog for Details

AIRC Electives: AIRC2004, AIRC2030, AIRC2080, AIRC2090

NOTES: Course descriptions are available in the college catalog which can be found online at <https://www.gptc.edu/catalog>.
The curriculum is subject to modification to meet changing conditions.

Estimated Costs

Cost Item	#	Cost
Total Credits (\$89/credit) and Course Fees	66	\$6,039
Semester Fees (\$378/semester)	5	\$1,890
Books and Materials		<u>\$1,453</u>
Total Estimated Cost		\$9,382

NOTES: Credit cost assumes 15 or less credits per semester and both the credit cost and fees can change over time (see <http://www.gptc.edu/index.html> for latest tuition rate and fees).
Books and materials are priced at current rates for new books from the college bookstore.

Gainful Employment Information: No gainful employment information available for this program.

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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.