



**ELECTRONICS TECHNOLOGY - COMMUNICATIONS ELECTRONICS TECHNOLOGY
SPECIALIZATION FIVE SEMESTER ASSOCIATE IN APPLIED SCIENCE DEGREE**

MAJOR CODE: ET138CE3

REQUIRED CREDIT HOURS: 62

CIP Code:47.0101

Program Description: The Electronics Technology Degree program is a sequence of courses designed to prepare students for careers in electronics professions. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of electronics technology theory and practical application necessary for successful employment using both manual and computerized electronics systems. Program graduates receive an Electronics Technology Associate of Science Degree which qualifies them as electronics technicians with a specialization in biomedical instrumentation, communication electronics, computer electronics, industrial electronics, general electronics, or telecommunication electronics.

Number	Course Name	Credit Hours	Prerequisites/Corequisites
Technical Courses			
ELCR 1005	Soldering Technology	1	
ELCR 1010	Direct Current Circuits	6	Pre-req: Program Instructor Approval or Appropriate Placement Test Score Co-req: MATH1013 or MATH1111
ELCR 1020	Alternating Current Circuits	7	Pre-req: ELCR1010
ELCR 1030	Solid State Devices	5	Pre-req: ELCR1020
ELCR 1040	Digital and Microprocessor Fund	5	Pre-req: ELCR1030
ELCR 1060	Linear Integrated Circuits	3	Pre-req: ELCR1030
ELCR 2210	Advanced Circuit Analysis	5	Pre-req: ELCR1020
ELCR 2220	Advanced Modulation Techniques	3	Pre-req: ELCR2210
ELCR 2230	Antenna and Transmission Lines	3	Pre-req: ELCR2220
ELCR 2240	Microwave Communications and Radar	3	Pre-req: ELCR2230
ELCR 2250	Optical Communication Techniques	3	Pre-req: ELCR2240
COMP 1000	Introduction to Computer Literacy	3	Pre-req: READ0097 or equivalent test score
General Studies Courses			
ENGL 1101	Composition and Rhetoric	3	Pre-req: Appropriate Degree Level Reading and Writing (English) Placement Test Scores
MATH 1111	College Algebra	3	Pre-req: Appropriate placement test score or appropriate learning support exit point.
MATH 1113	Precalculus	3	Pre-req: Regular Admission, MATH1111
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

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	62	\$5,603
Semester Fees (\$378/semester)	5	\$1,890
Books and Materials		\$1,785
Total Estimated Cost		\$9,278

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.

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 <https://www.gptc.edu/gainfulemployment>.

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.