



# Lanier Technical College

[www.laniertech.edu](http://www.laniertech.edu)

Oakwood Campus 2990 Landrum Education Dr. Oakwood, GA 30566 770-531-6300	Forsyth Campus 7745 Majors Road Cumming, GA 30041 770-781-6800	Winder-Barrow Campus 89 East Athens Street Winder, GA 30680 770-868-4080	Jackson Co. Campus 631 South Elm Street Commerce, GA 30520 706-335-1931	Dawson Campus 89 Tiger Circle Dawsonville, GA 30534 706-216-5461
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## Electronics Technology Degree

The Electronics Technology program is a sequence of courses designed to prepare students for careers in electronics technology 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 Applied Science degree which qualifies them as electronics technicians with a specialization in general electronics or industrial technology. This program is offered by the Electronics Technology (ELC) department.

### Availability

Students are accepted every quarter based on course and space availability. This program offers day and evening classes at the Oakwood Campus.

### Program Costs

[Click here](#) to view program costs.

### Financial Aid

Students in this program may be eligible for the HOPE Scholarship and the Pell Grant.

### Requirements

- Applicant must be at least 16 years of age.
- High school diploma or GED is required prior to admission.  
*Official transcripts or GED scores must be submitted from all colleges and/or high schools attended for credit.*
- Take the ASSET placement test or submit SAT, ACT, CPE or COMPASS test scores.  
*All tests must have been taken within five (5) years of application for admission.*
- For technology requirements for online courses, click on [Technology Requirements](#).
- For textbook prices: [Lanier Tech Bookstore](#).

### Curriculum

This program takes approximately 7 quarters to complete.

<b>Area I - Essential Skills - 5 hours</b>		<b>Credit Hours</b>
ENG 1101	Composition and Rhetoric	5
<b>Area II - Humanities/Fine Arts – 5 hours</b>		<b>Credit Hours</b>
ENG 2130	American Literature <b>OR</b>	5
HUM 1101	Introduction to Humanities	(5)
<b>Area III - Social/Behavioral Science – 5 hours</b>		<b>Credit Hours</b>
ECO 1101	Principles of Economics <b>OR</b>	5

ECO 2105	Principles of Macroeconomics <b>OR</b>	(5)
ECO 2106	Principles of Microeconomics <b>OR</b>	(5)
HIS 2112	U.S. History II <b>OR</b>	(5)
PSY 1101	Introduction to Psychology <b>OR</b>	(5)
SOC 1101	Introduction to Sociology	(5)
<b>Area IV - Natural Science/Mathematics – 15 hours</b>		<b>Credit Hours</b>
MAT 1101	Mathematical Modeling <b>OR</b>	5
MAT 1100	Quantitative Skills And Reasoning <b>OR</b>	(6)
MAT 1111	College Algebra	(5)
MAT 1112	College Trigonometry <b>OR</b>	5
MAT 1113	Pre-calculus	(5)
<a href="#">Click Here</a>	Choose course from this area	5

<b>Occupational Courses</b>		<b>Credit Hours</b>
ELC 104	Soldering Technology I	2
ELC 108	Direct Current Circuits II	4
ELC 110	Alternating Current II	4
ELC 115	Solid State Devices II	4
ELC 117	Linear Integrated Circuits	4
ELC 118	Digital Electronics I	4
ELC 119	Digital Electronics II	4
ELC 120	Microprocessors Fundamentals	4
IFC 100	Industrial Safety Procedures	2
IFC 101	Direct Current Circuits I	4
	<b>- OR -</b>	
ELC-106	Direct Current Circuits I	(4)
IFC 102	Alternating Current I	4
	<b>- OR -</b>	
ELC-109	Alternating Current I	(4)
IFC 103	Solid State Devices I	4
	<b>- OR -</b>	
ELC-114	Solid State Devices I	(4)
SCT 100	Introduction To Computers	3
<b>And completion of specialization in one of the following areas:</b>		<b>Credit Hours</b>
<b>General Electronics Technology</b>		
<a href="#">click here</a>	Elective(s)	25
<b>Industrial Electronics Technology</b>		
ELC 211	Process Control	6
ELC 212	Motor Controls	6
ELC 213	Programmable Controllers	5
ELC 214	Mechanical Devices	3

ELC 215	Fluid Power	3
ELC 216	Robotics	2
<b>Credit Hours Required For Graduation</b>		<b>102</b>

**For specific program information, please contact the Admissions Office at (770) 531-6300.**

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*The Technical College System of Georgia and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, disabled veteran, veteran of the Vietnam Era or citizenship status, (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all education programs and activities including admissions policies, scholarship and loan programs, athletic and other Department and Technical College-administered program, including any Workforce Investment Act of 1998(WIA) Title I financed programs. It also encompasses the employment of personnel and contracting for goods and services. The Department and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.*

Contact Person for Discrimination Issues:

Title IX Coordinator

Lisa Wilson, Vice President for Student Affairs  
(770) 531-2558

Room 204L, Building 200

Lanier Technical College

2990 Landrum Education Drive

Oakwood, GA 30566

Contact Person for Disability Related Accommodations:

Section 504 Coordinator

Mallory Safley, Coordinator of Disability Services  
(770) 531-6330

Room 201J, Building 200

Lanier Technical College

2990 Landrum Education Drive

Oakwood, GA 30566

*To be eligible to graduate with a certificate, diploma or degree from LTC, a student must satisfactorily complete the program of study in which he/she is enrolled with a cumulative grade point average of at least 2.0 in courses within the chosen program of study; a minimum grade of "C" may be required for progress from specified courses to more advanced courses.*

*Curriculum and costs are subject to change by the institution without prior notice.*

*Last Updated on 4/14/2010 5:18:36 PM.*