

CAREER OPTIONS



Cable/Satellite TV Technician
 • Telecommunications Technician
 • Cable Technician
 • Radio Communications Technician

ANNUAL SALARY



Entry level to experience

\$29,000 - \$86,000

INDUSTRY CERTIFICATIONS



F.C.C. General Radiotelephone License

PROFESSIONAL ASSOCIATIONS



Association Connecting Electronics Industries(IPC)

Electronics Technicians Association (ETA)

Federal Aviation Administration (FAA)

Federal Communications Commission (FCC)

estimated cost of TOOLS & SUPPLIES



Safety Glasses	\$1-45
Uniform Shirt	\$25-45
Uniform Pants	\$15-30
Tools	\$50 -500
Textbooks	\$300



Los Angeles Trade-Technical College

ELECTRONICS COMMUNICATIONS

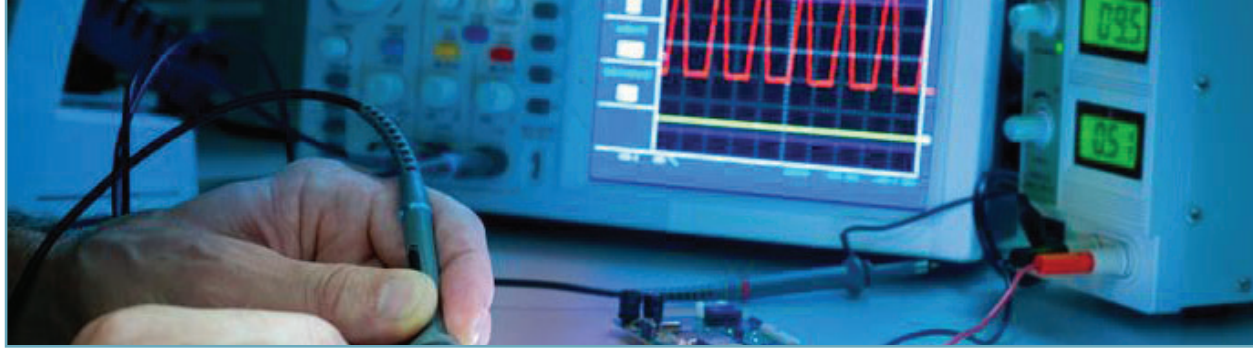
This program covers, circuit analysis of several complete FM systems. By completing the certificate and/or degree, students will be able to pass the Federal Communications Commission (FCC) Examination. In addition, by fulfilling the program requirements, students are proficient in the operation of AM/FM Transmitters and can trouble shoot AM/ FM Receivers as well as install C Band, K/U Band, and digital satellites systems (DSS). Students will also have an understating of cordless phones, microwave receivers/transmitters, and cell phone systems.



Degree and Certificate

To earn an **Associate in Science degree** students should complete the 45 units of Required Courses with a "C" or better in each course, and the general education courses under the **GE Graduation Plan**.

Requirements for the **Certificate of Achievement** may be met by completing 45 units of Required Courses with a "C" or better in each course.



Award	Required Courses	Major Electives	GE Graduation Plan
○ Associate of Science Degree	44 units		~18 units
● Certificate	44 units		

Required Courses ○●

Term	Subject	Course Title	Units
Semester I	ETNTLGY 150	Soldering Surface Mount Technology	3
	ETNTLGY 151	DC Theory and Circuit Fundamentals	3
	ETNTLGY 152	DC Theory and Circuit Fundamentals Lab	2
	ETNTLGY 153	Applied DC Calculations	1
	ETNTLGY 254	Computer Applications for Electronics Technology	3
Semester II	ETNTLGY 154	AC Theory and Circuit Fundamentals	3
	ETNTLGY 155	AC Theory and Circuit Fundamentals Lab	2
	ETNTLGY 156	Applied AC Calculations	1
	ETNTLGY 255	Computer-Based Electronics I	1
	PHYSICS 011	Introductory Physics	4
Semester III	ETNTLGY 157	Semiconductors Devices and Applications	3
	ETNTLGY 158	Semiconductor Devices and Electronics Lab	3
	ETNTLGY 159	Digital Circuits and Applications	3
	ETNTLGY 160	Digital Circuits and Applications Lab	2
Semester IV	ETNTLGY 161	F.C.C. Radio Operator License	3
	ETNTLGY 162	Introduction to Electronics Communications	3
	ETNTLGY 163	Introduction to Electronics Communications Lab	3
	ECONMT 142	Basic Programmable Logic Controls (PLC)	1

GE Graduation Plan Courses ○

Meet with the ATM Pathway Counselor to select **Guided Choices** sequence of courses or other GE courses

Guided Choices	Units
Area A: Physics 11	~18
Area B: History 12	
Area C: Humanities 60	
Area D1: English 101	
Area D2: Mathematics 125	
Area E:	

STUDENT SUPPORT

The **ATM Pathway Counselor** can assist you to plan your **academic, transfer, and career success** while connecting you to essential resources.

Los Angeles Trade Technical College

School of Advanced Transportation & Manufacturing (ATM)

ATMPathway@lattc.edu | www.lattc.edu/ATM | 213.763.7081

400 W. Washington Blvd. | Suite B1-225 | Los Angeles, California 90015



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