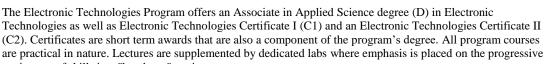
# Manufacturing, Transportation & Industrial Technology

# GUIDED PATHWAY: ELECTRONIC TECHNOLOGIES (AAS, Certificate) Industrial and Electronic Technologies Department

This is an example course sequence for students interested in pursuing an award in Electronic Technologies. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate of Applied Science (AAS) degree in Electronic Technologies or certificate awards in Electronic Technologies. 1





attair	ment of s	kills in a	"hands-on" environment.				
	COLLEGE READINESS REQUIREMENTS (only for the AAS)						
	Enrolling in one or more courses may be necessary if assessment activities and previous academic experiences indicate a need for additional knowledge and skills:						
READING & WRITING PLACEMENT MATH PLACEMENT				ENGLISH LANGUAGE PROFICIENCY			
TSI MET: YES NO IF NO, ADVISOR INSERT COURSE(S) NEEDED				TSI MET: YES NO IF NO, ADVISOR INSERT COURSE(S) NEE	EDED 1	TSI MET: YES NO F NO, ADVISOR INSERT COURSE(S) NEEDED	
□ INRW				□ DEV MATH	E	□ ESOL	
□ OTHER:				OTHER:		THER:	
Exemptions/waivers may exist. Speak with an academic advisor regarding placement in college readiness courses and your ability to enroll in core academic coursework.							
SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS <sup>2</sup>							
D	C1	<b>C2</b>	SEMESTER 1		ACTION ITEMS		

a								
SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS <sup>2</sup>								
D	C1	C2	SEMESTER 1	ACTION ITEMS				
<b>♦</b>	<b>♦</b>	<b>♦</b>	CETT 1409 – DC-AC Circuits	☐ Meet with your advisor to confirm academic and				
<b>♦</b>	<b>*</b>	<b>*</b>	CETT 1449 – Digital Systems	career goals before the end of the semester.  Meet with a career advisor or instructor to research				
<b>♦</b>	<b>♦</b>	<b>♦</b>	INTC 1307 – Instrumentation Test Equipment	your career options and opportunities for job shadowing.				
•	<b>*</b>	<b>♦</b>	CPMT 1411 – Introduction to Computer Maintenance	-				
			TOTAL SEMESTER CREDIT HOUR	S: 15				
D	C1		SEMESTER 2	ACTION ITEMS				
<b>♦</b>	<b>♦</b>		CETT 1429 – Solid State Devices	☐ Meet with your advisor to file and official degree				
<b>♦</b>	<b>♦</b>		CPMT 1351- IT Essentials: PC Hardware and Software	plan, confirm or update your academic/career path and program of study.				
<b>♦</b>	<b>♦</b>		ENER 2325 - SCADA and Networking	pain and program of study.				
			EECT 1204 - Electronic Soldering					
			TOTAL SEMESTER CREDIT HOUR	S: 12				
D			SUMMER SESSION 1	ACTION ITEMS				
<b>♦</b>			ENGL 1301 – Composition I (C)					
TOTAL SEMESTER CREDIT HOURS: 3								
D			SUMMER SESSION 2	ACTION ITEMS				
•			Elective – Mathematics Elective					
TOTAL SEMESTER CREDIT HOURS: 3								
D			SEMESTER 3	ACTION ITEMS				
<b>♦</b>			EECT 2435 - Telecommunications					
<b>♦</b>			INCR 1344 - Microprocessor Systems Maintenance					
<b>♦</b>			Elective - Language, Philosophy and Culture / Creative Arts Elective					
•			<b>Elective</b> – American History/Government/Political Science/Social and Behavioral Science					
TOTAL SEMESTER CREDIT HOURS: 13								
	Continued on next page							

D		SEMESTER 4	ACTION ITEMS
•		CPMT 2302 - Home Technology Integration	
•		ELMT 2337 – Electronic Troubleshooting Service and Repair	
		INTC 2366 - Distributed Control and Programmable Logic	
•		CETT 2281 – Cooperative Education – Computer Engineering Technology/Technician <sup>3</sup>	
•		Elective – Science	

#### **TOTAL SEMESTER CREDIT HOURS: 15**

### AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS/PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS

- 1. Degree plans may change in later catalogs. Be sure to consult with your advisor if you are continuing on an older degree plan.
- 2. Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by Laredo College awarding the degree.
- 3. Capstone Course -

C This course counts for the Core Curriculum at any public college or university in Texas.

# Certification and Licensure Information

The **Associate Certified Electronics Technician (CETa)** is designed for encompassing the basic electronics theory and applications used in all electronics disciplines including electrical theory, test equipment, circuits, telecommunications basics, and work procedures.

# **Career Information**

**Common Job Titles** 

Electronic Technician Electronic Specialist Electronic Installer

Electronic Technologist Instrumentation Technician Electro-mechanical Technician

### **Regional Labor Market Information**

The median annual wage for electrical and electronics engineering technologists and technicians was \$63,640 in May 2021.

#### **Career and Labor Market Research Tools**

Bureau of Labor Statistics: <a href="http://www.bls.gov/ooh/">http://www.bls.gov/ooh/</a>, O\*NET: <a href="https://www.onetonline.org/">https://www.onetonline.org/</a>

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