

TSCC Degree Pathway – Electrical Technology- Instrumentation <i>Complete College America</i> <i>(12 + 12 + 6 = 30)</i>	FACULTY ADVISOR/INSTRUCTOR/COORDINATOR <i>Ed Abrasley</i> 334-420-4369 eabrasley@trenholmstate.edu
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This degree pathway document serves as an advising resource and course guide for faculty and students. Students are strongly advised to enroll in any required Math or English courses during the first semester. Course offerings are subject to change based on availability during any semester and final enrollment numbers.

Semester 1				MINIMUM 12 CREDIT HOURS
Course Name	Credit Hours	Contact Hours	Area	Course Notes
ENG101 – English Comp I	3	3	I	
MTH 100- Intermediate Algebra	3	3	III	
ELT 108- DC Fundamentals	3	7	V	
ELT 110 – Wiring Methods	3	7	V	
AUT 210 – Industrial Robotics	3	3	V	
4 Class Total	15	23		
ORI 101 – Orientation to College	1	1	V	
5 classes total	13	21		

Semester 2				MINIMUM 12 CREDIT HOURS
Course Name	Credit Hours	Contact Hours	Area	Course Notes
MTH 104 – Plan Trigonometry	3	3	III	
ELT 112 – Concepts of Alternating Current	5	9	V	
CIS 146 – Microcomputer Applications	3	3	V	
ILT 108- Intro to Instr. & Process Control	3	5	V	
4 Classes Total	14	20		

Summer Semester				
Course Name	Credit Hours	Contact Hours	Area	Course Notes
AUT 211 – Industrial Rob. Lab	2	6	V	
ADM 111- Manufacturing Safety	3	3	V	ELT 206 – OSHA Safety Practices (SUB)
2 Classes Total	5	9		
ELT 231 Programmable Control I	3	5	V	
3 Classes Total	8	14		

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Semester 4				MINIMUM 12 CREDIT HOURS
Course Name	Credit Hours	Contact Hours	Area	Course Notes
ADM 101 – Precision Measurement	3	3	V	MTT 147 – Intro Machine Shop I
ILT 110 – Advanced Industrial Process Control Technology	3	5	V	
ILT 237 – Network Cabling - Cooper	2	4	V	
ELT 119 – Concepts of Solid State Elec	5	9	V	
4 Class Total	12	21		
MUS 101 – Music Appreciation	3	3	II	
5 classes total	17	24		

Semester 5				MINIMUM 12 CREDIT HOURS
Course Name	Credit Hours	Contact Hours	Area	Course Notes
PSY 200 – General Psychology	3	3	IV	
ELT 232 – Adv. Programmable Cntl.	3	5	V	
ELT 121 – Concept of Digital Elec.	5	9	V	
ELT 209 – Motor Controls I	3	7	V	
4 Classes Total	14	24		

Summer Semester				MINIMUM 6 CREDIT HOURS
Course Name	Credit Hours	Contact Hours	Area	Course Notes
ELT 212 – Motor Controls II	3	7	V	
ELT 224 – PLC Applications	3	5	V	
2 Classes Total	6	12		