

# PROGRAM PLANNING GUIDE

## ELECTRONICS ENGINEERING TECHNOLOGY A40200

Replaces Curriculum Schedule with Revision Date: FA2023

Date Revised: FA2025

### CURRICULUM BY SEMESTER

					Hours Per Week		Credits	Semesters Offered
Course No.	Course Title		Pre-Requisites	Co-Requisites	Class	Lab		
Fall Semester								
ELC	131	Circuit Analysis I	None	ELC 131A	3	3	4	FA, SP
ELC	131A	Circuit Analysis I Lab	None	ELC 131	0	3	1	FA, SP
ELN	260	Prog Logic Controllers	None	None	3	3	4	FA, SP
ENG	111	Writing and Inquiry (University Transfer)	ENG 025 (If required)	ENG 045 (If required)	3	0	3	FA, SP, SU
ACA	115	Success & Study Skills	None	None	0	2	1	FA, SP
		Math Elective	See Below				3	

Spring Semester								
ELN	131	Analog Electronics I	ELC 131 or ELC 112	None	3	3	4	SP
ELN	133	Digital Electronics	ENG 025 and MAT 003, MAT 025, or MAT 035	None	3	3	4	SP
ATR	214	Advanced PLCs	ELC-128 or ELN-260	None	3	3	4	SP
ELN	150	CAD for Electronics	None	None	1	3	2	SP
COM	231	Public Speaking	ENG-111; Minimum grade C	None	3	0	3	FA, SP, SU

Summer Semester								
ELN	137	Electronic Devices and Circuits	None	None	4	3	5	SU
ELN	231	Industrial Control	ELC 131 or ELC 112	None	2	3	3	SU

Fall Semester								
CSC	133	C Programming	None	None	2	3	3	FA
ELC	229	Applications Project	None	None	1	3	2	FA, SP
ATR	215	Sensors and Transducers	None	None	2	3	3	FA, SP
		Social Science Elective	See Below		3	0	3	
		Major Elective	See Below				2	

## PROGRAM PLANNING GUIDE

Spring Semester								
ELN	235	Data Communication Systems	ELC 131 or ELC 112	None	3	3	4	SP
ELN	233	Microprocessor Systems	CSC-133 and ELN-232	None	3	3	4	SP
ELC	228	PLC Applications	None	None	2	6	4	SP
HUM	110	Technology and Society	ENG 002 or ENG 025 (If required)	None	3	0	3	FA, SP, SU

**Graduation Requirement Credit Hours: 69**

### MATH ELECTIVES

						Hours Per Week		Credits	Semesters Offered
Course No.		Course Title	Pre-Requisites	Co-Requisites	Class	Lab			
Major Electives		Credit Hours Needed: 3							
MAT	121	Algebra/Trigonometry I	MAT 003, MAT 021, MAT 035, or MAT 045A (If required)	None	2	2	3	FA, SP, SU	
MAT	171	Precalculus Algebra (University Transfer)	ENG 002 or ENG 025 (If required) MAT 003, MAT 035, MAT 071, or MAT 045P (If required)	None	3	2	4	FA, SP, SU	

### SOCIAL SCIENCE ELECTIVES

						Hours Per Week		Credits	Semesters Offered
Course No.		Course Title	Pre-Requisites	Co-Requisites	Class	Lab			
Major Electives		Credit Hours Needed: 3							
PSY	118	Interpersonal Psychology	None	None	3	0	3	FA, SP, SU	
PSY	150	General Psychology (University Transfer)	ENG 002 or ENG 025 (If required)	None	3	0	3	FA, SP, SU	

## PROGRAM PLANNING GUIDE

MAJOR ELECTIVE								
					Hours Per Week			Semesters Offered
Course No.		Course Title	Pre-Requisites	Co-Requisites	Class	Lab		
Major Electives		Credit Hours Needed: 2						
PCI	170	DAQ and Control	ELC 131 or ELC 112	None	3	3	4	FA
PCI	172	SCADA Systems	None	None	3	3	4	FA
PCI	262	Intro to Process Control	None	None	3	3	4	FA
ELC	231	Electrical Power Systems	None	None	3	2	4	FA
ELN	215	Semiconductor Physics	None	None	3	0	3	FA
WBL	111DI	Work-Based Learning I	14 program credits hours	None	0	10	1	FA, SP, SU
WBL	112DI	Work-Based Learning I	14 program credits hours	None	0	20	2	FA, SP, SU