

This worksheet is a guideline for this major. Please meet with a counselor to review your educational plan, transfer goals, and graduation requirements.

**Recommended Courses**

Need	In Progress	Complete	UNITS	COURSE #	COURSE NAME	EQUIVALENT/SUBSTITUTE
			4	MATH-12	Pre-Algebra	
			3	ENGL-95	Integrated Reading, Writing, & Critical Thinking	

**Major Requirements (Recommended Sequencing)**

REQUIRED COURSES: FIRST SEMESTER						
			4	ETEC-010	Direct Current Circuits	
			4	ETEC-012	Alternating Current Circuits	
			3	ETEC-009	ETEC Mathematics	
REQUIRED COURSES: SECOND SEMESTER						
			3	ETEC-020	Electric Motor Control	
			2	ETEC-022	Semiconductor Devices	
			2	ETEC-024	Digital Devices	
			4	PHYS-015	Introduction to Physics	
REQUIRED COURSES: THIRD SEMESTER						
			4	ETEC-030	Programmable Logic Controllers	
			3	ETEC--032	Instrumentation Process Measurement	
			1	ETEC-034	Instrumentation Calibration	
			4	CHEM-006	Intro to Inorganic & Physical Chemistry	
REQUIRED COURSES: FOURTH SEMESTER						
			3	ETEC-050	Instrumentation Process Control	
			1	ETEC-052	Applied Process Control	
			1	ETEC-056	Guide for Instrument Application	
			2	ETEC-058	Analytical Instrumentation	
			2	ETEC-059	System Integration & Troubleshooting	

**44 Units in the Major**

**General Education Requirements and Course Recommendations**

Need	In Progress	Complete	UNITS	AREA	REQUIRED	RECOMMENDED COURSE	EQUIVALENT/ALTERNATE
			3	A	1	ASTRO 010, BIOSC 005, 007, 008, 010, ENGIN 010, PHYS 015, PHYSC 005	
			3	B	1	ADJUS 110, 160, ANTHR 001, 004, 005, 006, 007, CHDEV 010, 020, ECON 005, 010, 011, EDUC-040, ENGL 110, 136, HIST 029, 030, 031, 033, 034, 035, 038, 039, 040, 055, 061, POLSC 010, 020, 033, 040, 043, 050, PSYCH 010, 011, SOCIO 015, 016, SOCSOC 045, 110, SPCH 120, 180	
			3	C	1	ART 005, 006, 007, 008, 009, 016, 017, 018, 035, DRAMA 015, 016, 025, 070, 072, ENGL 124, 127, 128, 129, 133, 150, 205, 210, 211, 230, 231, HUMAN 019, 020, 021, 022, 024, 030, 035, JOURN 100, 110, MUSIC 010, 012, 015, PHIL 100, 120, 122, 130, 132, 133, 140, 142, 150, 151, SPCH-110, 130	
			3	D i.	1	ENGL 100	
			3 - 7	D ii	1	MATH 026, 029, 030 or higher, ETEC 009, PTEC 009	
			3	E	1	ADJUS 160, CHDEV 050, DRAMA 015, 030, 072, ENGL 110, 127, 128, 129, 133, 135, 136, 210, 211, HIST 046, 047, 052, 055, 061, SOCSOC 045, 110, 135, 150, SPCH 150	

**18-22 Units of General Education**

**0 units of elective courses needed to meet the 60 degree unit requirement**