

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

**Major Requirements**

Need	In Progress	Complete	UNITS	COURSE #	COURSE NAME	EQUIVALENT
			3	ENGIN 010	Introduction to Engineering (offered both semesters)	
			4	ENGIN 020 or ENGIN 022	Programming with C++ for Engineers and Scientists Programming with MATLAB for Engineers and Scientists	
			3	ENGIN 025	Engineering Graphics	
			4	ENGIN 030	Materials Science	
			3	ENGIN 045	Engineering Circuits	
			5	CHEM 025	General College Chemistry	
			4	PHYS 040	Physics for Scientists and Engineers I	
			4	PHYS 041	Physics for Scientists and Engineers II	
			4	PHYS 042	Physics for Scientists and Engineers III	
			4	MATH 210	Calculus and Analytic Geometry I	
			4	MATH 220	Calculus and Analytic Geometry II	
			4	MATH 230	Calculus and Analytic Geometry III	
			4	MATH 240	Differential Equations	

**Electives -- Select two courses from the list below:**

			3 each	ENGIN 036, 038, 046, MATH 250	
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**56 Units for 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, 040, 043, 050, 060, 133, PSYCH 010, 011, SOCIO 015, 016, SOCSC 045, 110, SPCH 120	
			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, 050, JOURN 100, 110, MUSIC 010, 012, 015, PHIL 100, 120, 122, 130, 132, 133, 140, 150, 151, POLSC 133, SPCH 110, 130	
			3	D i.	1	ENGL 100	
			3 - 7	D ii	1	MATH 110, 140, 155, 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, 056, 057, 060, 061, SOCSC 045, 110, 135, 136, 150, SPCH 150	

**18-22 Units of General Education**

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

Engin 010 is offered every semester. The other Engin classes are only offered once a year.