

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-050	Calculus and Analytic Geometry I	
			4	MATH-060	Calculus and Analytic Geometry II	
			4	MATH-070	Calculus and Analytic Geometry III	
			4	MATH-080	Differential Equations	

Electives -- Select two courses from the list below:

			3 each	ENGIN-036, 038, 046, MATH-075		
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55 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, 020, 040, 043, 050, 060, 133, PSYCH 010, 011, SOCIO 015, 016, SOCS 045, 110, SPCH 130	
			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, 142, 150, 151, POLSC 133, 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, SOCS 045, 110, 135, 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.