

**Associate of Science  
Engineering  
Catalog 2005 – 2007**

<b>1st Semester</b>			Credit Hours	Grade	
___	MATH	188	Calculus I	4	_____
___	CHEM	111	General Chemistry I	4	_____
___	ENGL	111	Freshmen Composition	3	_____
___	COSC	118	Computer Programming Fundamentals I With C++	3	_____
___	ENGR	111	Introduction to Engineering	2	_____
<b>2nd Semester</b>					
___	MATH	189	Calculus II	4	_____
___	PHYS	215	Engineering Physics I	4	_____
___	CHEM	112	General Chemistry II	4	_____
___	_____	_____	Humanities and Fine Arts Course*	3	_____
___	ENGL	211	Advanced Composition <b>OR</b>		
___	ENGL	218	Advanced Technical Composition	3	_____
<b>3rd Semester</b>					
___	MATH	268	Calculus III	4	_____
___	PHYS	216	Engineering Physics II	4	_____
___	EE	201	Engineering Circuit Analysis	3	_____
___	CE	233	Mechanical-Statics	3	_____
___	_____	_____	Social and Behavioral Science Course*	3	_____
<b>4th Semester</b>					
___	MATH	282	Differential Equations	4	_____
___	ME	234	Mechanics -Dynamics	3	_____
___	ME	240	Thermodynamics	3	_____
___	ME	159	Graphical Communication and Design	2	_____
___	_____	_____	Economics Course	3	_____
___	_____	_____	Humanities and Fine Arts Course*	3	_____

Students must have a minimum 2.0 grade point average and may not receive a grade of 'D' or 'F' in any of the courses. Students intending to transfer to a bachelor degree granting institution are strongly encouraged to check with their advisor and carefully coordinate their course work at San Juan College with the requirements at the transfer institution.

**Total credit hours required for this degree 69**

\* See page 140, areas IV and V, 2005-2007 course catalog

One Social and Behavioral Elective must include economics (ECON 251 or ECON 252)