

Engineering  
Associate of Science Degree  
Catalog 2008 – 2009

The Associate of Science degree is intended for transfer to a four-year baccalaureate granting institution. Those wishing to transfer to a baccalaureate granting institution and pursue a degree program are strongly encouraged to check with their advisor and carefully coordinate their coursework at San Juan College with the requirements of the transfer institution. Pre-requisite courses must be completed prior to the courses listed below (e.g., MATH 180 and 185 prior to MATH 188). In general, however, it is suggested that students complete the New Mexico Transfer Module as outlined below.

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 required for transfer.

	Credit Hours	Grade
<b>1st Semester</b>		
____ CHEM 111 General Chemistry I	4	_____
____ COSC 118 Computer Programming Fundamentals I with C++	3	_____
____ ENGL 111 Freshmen Composition	3	_____
____ ENGR 111 Introduction to Engineering	2	_____
____ MATH 188 Calculus I	4	_____
	Total 16	
<b>2nd Semester</b>		
____ CHEM 112 General Chemistry II	4	_____
____ ENGL 211 Advanced Composition <b>OR</b>		
____ ENGL 218 Advanced Technical Composition	3	_____
____ _____ Humanities and Fine Arts Course*	3	_____
____ MATH 189 Calculus II	4	_____
____ PHYS 215 Engineering Physics I	4	_____
	Total 18	
<b>3rd Semester</b>		
____ CE 233 Mechanical-Statics	3	_____
____ EE 201 Engineering Circuit Analysis	3	_____
____ MATH 268 Calculus III	4	_____
____ PHYS 216 Engineering Physics II	4	_____
____ _____ Social and Behavioral Science Course*	3	_____
	Total 17	
<b>4th Semester</b>		
____ ECON 251 Macroeconomics <b>OR</b>		
____ ECON 252 Microeconomics	3	_____
____ _____ Humanities and Fine Arts Course*	3	_____
____ MATH 282 Differential Equations	4	_____
____ ME 159 Graphical Communication and Design	2	_____
____ ME 234 Mechanics –Dynamics	3	_____
____ ME 240 Thermodynamics	3	_____
	Total 18	

Total credit hours required for this degree 69

\* See page 175, 2008-2009 San Juan College course catalog.