

ENGINEERING
Associate of Science Degree
Catalog 2010 – 2011

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 a grade of "C" or better in any courses required for transfer.

				Credit Hours	Grade
1st Semester					
_____	CHEM	111	General Chemistry I	4	_____
_____	COSC	118	Computer Programming Fundamentals I with C++	3	_____
_____	ENGL	111	Freshmen Composition	3	_____
_____	ENGR	112	Introduction to Engineering	3	_____
_____	MATH	188	Calculus I	<u>4</u>	_____
				Total	17
2nd Semester					
_____	CHEM	112	General Chemistry II	4	_____
_____	DRFT	121	Engineering Graphics	3	_____
_____	ENGL	211	Advanced Composition	3	_____
_____	MATH	189	Calculus II	4	_____
_____	PHYS	215	Engineering Physics I	<u>4</u>	_____
				Total	18
3rd Semester					
_____	ENGR	230	Engineering Circuit Analysis	3	_____
_____	ENGR	233	Mechanical-Statics	3	_____
_____	MATH	268	Calculus III	4	_____
_____	PHYS	216	Engineering Physics II	4	_____
_____	_____	_____	Social and Behavioral Science Course*	<u>3</u>	_____
				Total	17
4th Semester					
_____	ECON	251	Macroeconomics OR		
_____	ECON	252	Microeconomics	3	_____
_____	ENGR	234	Mechanics –Dynamics	3	_____
_____	ENGR	236	Thermodynamics	3	_____
_____	_____	_____	Humanities and Fine Arts Course*	3	_____
_____	MATH	282	Differential Equations	<u>4</u>	_____
				Total	16

Total credit hours required for this degree 68

* See page 101 for Social and Behavioral Science; and Humanities and Fine Arts, 2010-2010 San Juan College catalog.