

CHEMISTRY
Associate of Science Degree
Catalog 2009 – 2010

The Associate of Science degree is intended for transfer to a four-year baccalaureate granting institution and also serves as a terminal degree for those wishing to work as a chemical technician in a laboratory setting. 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. Prerequisite courses must be completed prior to the courses listed below (e.g., MATH 180 and 185 prior to MATH 188).

			Credit Hours	Grade
1st Semester				
_____	CHEM	111 General Chemistry I	4	_____
_____	COSC	116 Spreadsheets OR		
_____	COSC	118 Computer Programming Fundamental with C++	3	_____
_____	ENGL	111 Freshman Composition	3	_____
_____	MATH	188 Calculus I	4	_____
_____	_____	_____ Social and Behavioral Science Course**	<u>3</u>	_____
		Total	17	
2nd Semester				
_____	CHEM	112 General Chemistry II	4	_____
_____	ENGL	211 Advanced Composition OR		
_____	ENGL	218 Advanced Technical Composition	3	_____
_____	MATH	189 Calculus II	4	_____
_____	PHYS	215 Engineering Physics I	<u>4</u>	_____
		Total	15	
3rd Semester				
_____	CHEM	251 Organic Chemistry I	4	_____
_____	_____	_____ Humanities and Fine Arts Course**	3	_____
_____	_____	_____ Math OR Science Elective*	4	_____
_____	PHYS	216 Engineering Physics II	4	_____
_____	SPCH	110 Public Speaking OR		
_____	SPCH	111 Interpersonal Communication	<u>3</u>	_____
		Total	18	
4th Semester				
_____	CHEM	252 Organic Chemistry II	4	_____
_____	CHEM	281 Analytical Chemistry	4	_____
_____	_____	_____ Social and Behavioral Science**	3	_____
_____	_____	_____ Humanities and Fine Arts Course**	3	_____
_____	_____	_____ Humanities and Fine Arts Course**	<u>3</u>	_____
		Total	17	

Total credit hours required for this degree 67

* Math **OR** Science Elective: Select a minimum of 4 credit hours.

BIOL	121	Introductory Biology I (prerequisite to BIOL 224) OR	MATH	251	Statistics OR
			MATH	268	Calculus III
BIOL	224	Microbiology	PHYS	217	Engineering Physics III
CHEM	299	Special Topics			
GEOL	110	Introduction to Geology OR			
GEOL	270	Mineralogy			

** See page 158, 2009-2010 San Juan College course catalog.