

Chemistry  
Associate of Science Degree  
Catalog 2008 – 2009

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. Pre-requisite courses must be completed prior to the courses listed below (e.g., MATH 180 and 185 prior to MATH 188).

			<b>Credit Hours</b>	<b>Grade</b>	
<b>1st Semester</b>					
_____	CHEM	111	General Chemistry I	4	_____
_____	COSC	116	Spreadsheets <b>OR</b>		
_____	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		
<b>2nd Semester</b>					
_____	CHEM	112	General Chemistry II	4	_____
_____	ENGL	211	Advanced Composition	3	_____
_____	MATH	189	Calculus II	4	_____
_____	PHYS	215	Engineering Physics I	<u>4</u>	_____
			Total 15		
<b>3rd Semester</b>					
_____	CHEM	251	Organic Chemistry I	4	_____
_____	_____	_____	Humanities and Fine Arts Course**	3	_____
_____	_____	_____	Math/Science Elective*	4	_____
_____	PHYS	216	Engineering Physics II	4	_____
_____	SPCH	110	Public Speaking <b>OR</b>		
_____	SPCH	111	Interpersonal Communication	<u>3</u>	_____
			Total 18		
<b>4th Semester</b>					
_____	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/Science Elective: Select a minimum of 4 credit hours.

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

\*\* See page 173, 2008-2009 San Juan College course catalog.