

**CHEMISTRY**  
Associate of Science Degree  
Catalog 2010 – 2011

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
<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 <b>OR</b> Science Elective*	4	_____
_____	PHYS	216	Engineering Physics II	4	_____
_____	COMM	110	Public Speaking <b>OR</b>		
_____	COMM	111	Interpersonal Communication	<u>3</u>	_____
			Total	18	
<b>4th Semester</b>					
_____	CHEM	252	Organic Chemistry II	4	_____
_____	CHEM	281	Analytical Chemistry	5	_____
_____	_____	_____	Social and Behavioral Science**	3	_____
_____	_____	_____	Humanities and Fine Arts Course**	3	_____
_____	_____	_____	Humanities and Fine Arts Course**	<u>3</u>	_____
			Total	18	

Total credit hours required for this degree 68

\* Math **OR** 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>
BIOL	224	Microbiology	MATH	268	Calculus III
CHEM	299	Chemistry Special Topics	PHYS	217	Engineering Physics III
GEOL	110	Introduction to Geology <b>OR</b>			
GEOL	270	Mineralogy			

\*\* See page 101, See Social and Behavioral Science; and Humanities and Fine Arts, 2010-2011 San Juan College catalog.