

## CHEMISTRY

### Associate of Science

<b>General Education Core for Associate of Science (See Page 127)</b>	<b>27</b>
NOTE: Math requirement must be MATH 188	
Lab Science Requirement included in Chemistry-core classes	
<b>Additional Mathematics: MATH 189 Calculus II</b>	<b>4</b>

<b>Chemistry – Core classes</b>		<b>32</b>
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 251	Organic Chemistry I	4
CHEM 252	Organic Chemistry II	4
CHEM 281	Analytical Chemistry	5
PHYS 215	Engineering Physics I	4
PHYS 216	Engineering Physics II	4
COSC 116	Spreadsheets <b>OR</b>	
COSC 118	Computer Programming Fundamentals I with C++	3

<b>Choose one Math or Science Elective:</b>	<b>4</b>
Mathematics (MATH 268 Calculus III <b>OR</b> MATH 251 Statistics)	
Biology (BIOL 121 Introductory Biology I <b>OR</b> BIOL 224 Microbiology)	
Geology (GEOL 110 Introduction to Geology <b>OR</b> GEOL 270 Mineralogy)	
Physics (PHYS 217 Engineering Physics III)	
Chemistry (CHEM 299 Chemistry Special Topics)	
<b>Total credit hours required for this degree</b>	<b>67</b>

## COMPUTER SCIENCE

### Associate of Science

The Computer Science Associate of Science degree is designed for students interested in software design and programming. 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. The rigorous nature of this degree fulfills the expectations at the baccalaureate level. This degree also begins prospective computing professors and/or research students on their path leading to graduate degrees. Consider taking a foreign language at San Juan College if your intended transfer institution has such a requirement. These courses will be in addition to the requirements listed below.

Prerequisite courses must be completed prior to the courses listed below (e.g., MATH 160 and 180 prior to MATH 188). In general, however, it is suggested that students complete the New Mexico Transfer Module as outlined below. Student must earn a grade of C or higher in all COSC courses for the course to count toward a degree.