

CHEMISTRY

Associate of Science

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).

			Credits
Communications: 9 credit hours			
ENGL	111	Freshman Composition	3
ENGL	211	Advanced Composition OR	3
ENGL	218	Advanced Technical Composition	
SPCH	110	Public Speaking OR	3
SPCH	111	Interpersonal Communication	
Mathematics: 8 credit hours			
MATH	188	Calculus I	4
MATH	189	Calculus II	4

Social and Behavioral Science: Minimum of 6 credits. Must have 15 credits **total** between Humanities and Fine Arts.

Anthropology (ANTH 110, 210, 211, 255)
 Economics (ECON 251, 252)
 Human Geography (GEOG 145)
 Introduction to Psychology (PSYC 120)
 Political Science (POLS 110, 250)
 Sociology (SOC 110, 210, 215)

Humanities and Fine Arts: Minimum of 6 credits. Must have 15 credits **total** between Social and Behavioral Science

Orientation in Arts (ARTS 110)
 History (HIST 121, 122, 211, 212)
 Humanities (HUMA 210, 211)
 Literature (ENGL 230, 235, 245, 251, 252, 261, 262)
 Music (MUSI 110, 111, 112, 114, 115, 130 OR 131)
 Philosophy (PHIL 110, 115)
 Theatre (THEA 110, 120)

Chemistry – Core classes: 36 credit hours

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, OR	
COSC	118	Computer Programming Fundamentals I with C++	3

Math or Science Elective: Select a minimum of 4 credit hours
 Mathematics (MATH 268 Calculus III, or MATH 251 Statistics)
 Biology (BIOL 121 Introductory Biology I, or BIOL 224 Microbiology)
 Geology (GEOL 110 Introduction to Geology, or GEOL 270 Mineralogy)
 Physics (PHYS 217 Engineering Physics III)
 Chemistry (CHEM 299 Chemistry Special Topics)

Total credit hours required for this degree 68