

MATHEMATICS

Associate of Science Degree

The Associate of Science degree is intended for transfer to a four-year baccalaureate granting institution. 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 170 and 180 prior to Math 188). In general, however it is suggested that students complete the New Mexico Transfer Module as outlined below.

1st Semester	Credit Hours
ENGL 111 Freshman Composition	3
MATH 188 Calculus I	4
_____ Science Elective*	4
_____ Humanities and Fine Arts course**	3
_____ Social and Behavioral Science course**	<u>3</u>
TOTAL:	17
2nd Semester	
ENGL 211 Advanced Composition	3
MATH 189 Calculus II	4
MATH 251 Statistics	4
PHYS 215 Engineering Physics I	4
_____ Humanities and Fine Arts course**	<u>3</u>
TOTAL:	18
3rd Semester	
MATH 231 Discrete Mathematics	3
MATH 268 Calculus III	4
PHYS 216 Engineering Physics II	4
COMM 110 Public Speaking OR	
COMM 111 Interpersonal Communication	3
_____ Humanities and Fine Arts course**	<u>3</u>
TOTAL:	17
4th Semester	
COSC 118 Comp Programming Fund I w/C++ OR	
COSC 214 Visual Basic I	3
_____ Approved Math and Science Elective*	3-4
_____ Approved Math and Science Elective *	3-4
_____ Social and Behavioral Science course**	<u>3</u>
TOTAL:	12-14

Total credit hours required for this degree is 64-66

***Approved Math and Science Selections**

CHEM 111 – General Chemistry I	GEOL – 110 Introduction to Geology
CHEM 112 – General Chemistry II	GEOL – 111 Historical Geology (Spring only)
ENGR 230 – Engineering Circuit Analysis (Fall only)	MATH – 275 Linear Algebra (Offered on demand)
ENGR 233 – Mechanics-Statics (Fall only)	MATH – 282 Differential Equations (Spring or on demand)
ENGR 234 – Mechanics-Dynamics (Spring only)	PHYS – 217 Engineering Physics III (Offered on demand)
ENGR 236 – Thermodynamics (Spring only)	

** See San Juan College catalog for Social and Behavioral Science; and Humanities and Fine Arts courses.