

ENGINEERING

Associate of Science

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. Prerequisite courses must be completed prior to the courses listed below (e.g., MATH 180 and 185 prior to MATH 188). In general, however, it is suggested that students complete the New Mexico Transfer Module as outlined below.

Students must have a minimum 2.0 grade point average and may not receive a grade of "D" or "F" in any of the courses required for transfer.

			Credits
Communications:			
ENGL	111	Freshman Composition	3
ENGL	211	Advanced Composition OR	3
ENGL	218	Advanced Technical Composition	
Mathematics:			
MATH	188	Calculus I	4
MATH	189	Calculus II	4
MATH	268	Calculus III	4
MATH	282	Differential Equations	4
Social and Behavioral Science: Select one.			3
Anthropology (ANTH 110, 210, 211, 255)			
Human Geography (GEOG 145)			
Introduction to Psychology (PSYC 120)			
Political Science (POLS 110, 250)			
Sociology (SOCL 110, 210, 215)			
Humanities and Fine Arts: Select two.			6
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)			
Engineering – Core classes:			
CHEM	111	General Chemistry I	4
CHEM	112	General Chemistry II	4
COSC	118	Computer Programming Fundamentals I with C++	3
CE	233	Mechanics-Statics	3
ECON	251	Macroeconomics OR	
ECON	252	Microeconomics	3
EE	201	Engineering Circuit Analysis	3
ENGR	111	Introduction to Engineering	2
ME	159	Graphical Communication and Design	2
ME	234	Mechanics-Dynamics	3
ME	240	Thermodynamics	3
PHYS	215	Engineering Physics I	4
PHYS	216	Engineering Physics II	4

Total credit hours required for this degree 69