

PHYSICS

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.

			Credits
Communications:			
ENGL	111	Freshman Composition	3
ENGL	211	Advanced Composition	3
SPCH	110	Public Speaking OR	
SPCH	111	Interpersonal Communication	3
Mathematics:			
MATH	188	Calculus I	4
MATH	189	Calculus II	
MATH	268	Calculus III	4
Social and Behavioral Science: Select one.			3
Anthropology (ANTH 110, 210, 211, 255)			
Political Science (POLS 110, 250)			
Human Geography (GEOG 145)			
Introduction to Psychology (PSYC 120)			
Sociology (SOCL 110, 210, 215)			
Humanities and Fine Arts: Select three.			9
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, 114, 115, 130, 131)			
Philosophy (PHIL 110, 115)			
Theatre (THEA 110, 120)			
Physics – Core classes:			
CHEM	111	General Chemistry I	4
CHEM	112	General Chemistry II	4
COSC	118	Computer Programming Fundamentals I with C++	3
EE	201	Engineering Circuit Analysis	3
ECON	251	Macroeconomics OR ECON 252 - Microeconomics	3
MATH	282	Differential Equations	4
ME	240	Thermodynamics	3
PHYS	215	Engineering Physics I	3
PHYS	215L	Engineering Physics Lab I	1
PHYS	216	Engineering Physics II	3
PHYS	216L	Engineering Physics Lab II	1
PHYS	217	Engineering Physics III	3

Total credit hours required for this degree 68