

MATHEMATICS
Associate of Science Degree
Catalog 2010-2011

Communications:				Credit Hours	Grade
_____	ENGL	111	Freshman Composition	3	_____
_____	ENGL	211	Advanced Composition	3	_____
_____	COMM	110	Public Speaking OR		
_____	COMM	111	Interpersonal Communication	3	_____
Mathematics:					
_____	MATH	188	Calculus I	4	_____
_____	MATH	189	Calculus II	4	_____
_____	MATH	268	Calculus III	4	_____
Social and Behavioral Science: Must have 15 credits total between this area and Humanities and Fine Arts. Minimum of 6 credit hours.					
_____	_____	_____	Anthropology (ANTH 110, 210, 211, 255)	3	_____
_____	_____	_____	Economics (ECON 251, 252)	3	_____
_____	_____	_____	Human Geography (GEOG 145)	3	_____
_____	_____	_____	Introductory to Psychology (PSYC 120)	3	_____
_____	_____	_____	Political Science (POLS 110, 250)	3	_____
_____	_____	_____	Sociology (SOCL 110, 210, 215)	3	_____
Humanities and Fine Arts: Must have 15 credits total between this area and Social and Behavioral Science. Minimum of 6 credit hours.					
_____	_____	_____	Foreign Language (NAVA 111, 112, SPAN 111, 112)	4	_____
_____	_____	_____	History (HIST 121, 122, 211, 212)	3	_____
_____	_____	_____	Literature (ENGL 245, 230, 235, 251, 252, 261, 262)	3	_____
_____	_____	_____	Music (MUSI 110, 111, 112, 114, 130, 131)	3	_____
_____	_____	_____	Orientation in Art (ARTS 110)	3	_____
_____	_____	_____	Philosophy (PHIL 110, 115)	3	_____
_____	_____	_____	Theater (THEA 110, 120)	3	_____
Mathematics - Core classes.					
_____	COSC	118	Computer Programming Fundamentals with C++ OR		
_____	COSC	214	Visual Basics I	3	_____
_____	MATH	231	Discrete Mathematics	3	_____
_____	MATH	251	Statistics	4	_____
_____	PHYS	215	Engineering Physics I	4	_____
_____	PHYS	216	Engineering Physics II	4	_____
_____	_____	_____	Science or Mathematics electives*	3-4	_____
_____	_____	_____	Science or Mathematics electives*	3-4	_____
_____	_____	_____	Science elective*	4	_____

Total credit hours required for this degree is 64-66

* Science and Mathematics elective courses:

CHEM 111 –General Chemistry I (Fall and spring)
 CHEM 112 – General Chemistry II (Fall and spring)
 ENGR 233 – Mechanics-Statics (Fall only)
 ENGR 234 – Mechanics-Dynamics (Spring only)
 ENGR 236 – Thermodynamics (Spring only)

GEOL 110 – Introduction to Geology (Fall and spring)
 GEOL 111 – Historical Geology (On demand)
 MATH 275 – Linear Algebra (On demand)
 MATH 282 – Differential Equations (Spring or On demand)
 PHYS 217 – Engineering Physics III (On demand)

See page 104, 2010-2011 San Juan College catalog.