

Biology
Associate of Science Degree
Catalog 2008 – 2009

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 180 and 185 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	Grade
_____	BIOL	121	Introductory Biology I	4	_____
_____	COSC	111	Computer Literacy OR		
_____	_____	_____	Higher Computer Science	3	_____
_____	ENGL	111	Freshman Composition	3	_____
_____	MATH	188	Calculus I	4	_____
_____	PHYS	111	Introduction to Physics	<u>4</u>	_____
				Total	18
2nd Semester					
_____	BIOL	122	Introductory Biology II	4	_____
_____	ENGL	211	Advanced Composition	3	_____
_____	_____	_____	Humanities and Fine Arts course**	3	_____
_____	_____	_____	Approved Science Selection*	4	_____
_____	_____	_____	Approved Science Selection*	<u>4</u>	_____
				Total	18
3rd Semester					
_____	BIOL	255	Introduction to Genetics	4	_____
_____	_____	_____	Humanities and Fine Arts course**	3	_____
_____	_____	_____	Social and Behavioral Science course**	3	_____
_____	SPCH	110	Public Speaking OR		
_____	SPCH	111	Interpersonal Communication	3	_____
_____	_____	_____	Approved Science Selection*	<u>4</u>	_____
				Total	17
4th Semester					
_____	BIOL	240	Ecology	4	_____
_____	_____	_____	Humanities and Fine Arts course**	3	_____
_____	_____	_____	Social and Behavioral Science course**	3	_____
_____	_____	_____	Approved Science Selection*	4	_____
_____	_____	_____	Approved Science Selection*	<u>4</u>	_____
				Total	18

Total credit hours required for this degree is 71

* Approved Science Selections:

BIOL 220 – General Botany (spring only)
 BIOL 222 – Invertebrate Zoology (fall of even-numbered years)
 BIOL 223 – Vertebrate Zoology (fall of odd-numbered years)
 BIOL 224 – Microbiology
 BIOL 230 – Environmental Conservation
 BIOL 250 – Systematic Biology (on demand)
 BIOL 260 – Cell Biology (spring of odd-numbered years)
 CHEM 111 – General Chemistry I
 CHEM 112 – General Chemistry II

CHEM 251 – Organic Chemistry I (fall only)
 CHEM 252 – Organic Chemistry II (spring only)
 CHEM 210 – Organic Chemistry Survey (on demand)
 GEOL 110 – Introduction to Geology
 GEOL 111 – Historical Geology (on demand)
 PHYS 211 – General Physics I
 PHYS 211L – General Physics I Lab
 PHYS 212 – General Physics II
 PHYS 212 L – General Physics II Lab

** See page 172 for Social and Behavioral Science; and Humanities and Fine Arts, 2008-2009 San Juan College catalog.