



General Studies- Math & Science or Health Science

Associate of Science (AS) Degree Program

Division of Math & Science

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A major in Math and Science seeks to educate students pursuing a career in the math, science, or health science fields. The curriculum includes all sciences and most math courses however; it can be modified to fit the student's educational needs. In effect, the student can "build their own program" based on their selection of classes. The program is designed to provide a fundamental education in the field of math and/or science with a curriculum program designed to meet the following objectives: To prepare math science students for transfer to a four-year math or science program; to provide support classes in math and science for other degree programs at the Blackfeet Community College; and to prepare students to apply basic mathematical and computer tools to solve and understand math and science problems. To achieve an Associates of Science in Math and Science a student must meet all General Education Core 1-6 requirements and cores 7 & 8.

The Learning Outcomes from the General Studies/Math and Science degree program are as follows:

- 📖 Effective verbal, written, and graphic communication to accurately and appropriately read, inform, and convey scientific information
- 📖 Critical analysis and interpretation of information collected through research or laboratory experiences, based on scientific methodology, principles, and sound and logical reasoning
- 📖 Continuous preparedness in the life and physical sciences that leads to potential career and professional pathways
- 📖 Application of math operations, graphic data and algebraic formula necessary to collect, analyze, and interpret scientific data through laboratory investigation and experimentation
- 📖 Utilization of current and emerging instrumentation and related technologies in the collection and recording of scientific data

Students majoring in General Studies: Math & Science are required to take the General Core Requirements 1 – 6 for an Associate of Science (AS) Degree program on page 11-2 as well as 30 credits in CORE 7:

For a science concentration, students will select science classes beginning with course numbers starting with AHMS, ANTH, ANTY, BIOB, BIOH, BIOM, BIOO, CHMY, EGEN, ENSC, ENV, GEO, GPHY, NUTR, PHSX, & SCI or as approved by advisor. Students who want a concentration in Math will select math classes starting from Probability and Linear Math and above or as approved by an advisor for a program total of 30 credits. The Degree offers concentrations in the following areas: Math, Science and Health Sciences.

Core 7 - Math & Science			30 Credits Required		
Course #	Name of Course	Offered	Credits	Semester Taken	Grade
AHMS 144	Medical Terminology	Fall	3		
ANTH 286	Survey of the Forensic Sciences	Spring	3		
ANTY 250	Introduction to Archaeology	Fall	3		
BIOB 101	Discover Biology	Every	3		
BIOB 102	Discover Biology Lab	Every	1		
BIOB 160	Principles of Living Systems	Fall	3		
BIOB 161	Principles of Living Systems Lab	Fall	1		
BIOB 170	Principles of Biological Diversity	Spring	3		
BIOB 171	Principles of Biological Diversity Lab	Spring	1		
BIOB 291	Special Topics	On Demand	Var		



Core 7 – Math & Science (Continued)				30 Credits Required	
Course #	Name of Course	Offered	Credits	Semester Taken	Grade
BIOH 201	Human Anatomy & Physiology I	Fall	3		
BIOH 202	Human Anatomy & Physiology I Lab	Fall	1		
BIOH 211	Human Anatomy & Physiology II	Spring	3		
BIOH 212	Human Anatomy & Physiology II Lab	Spring	1		
BIOM 250	Microbiology for Health Science	Spring	3		
BIOM 251	Microbiology for Health Science Lab	Spring	1		
BIOO 105	Introduction to Botany	Fall	3		
BIOO 106	Introduction to Botany Lab	Fall	1		
CHMY 121	Introduction to General Chemistry	Fall	3		
CHMY 122	Introduction to General Chemistry Lab	Fall	1		
CHMY 123	Introduction to Organic & Biological Chemistry	Spring	3		
CHMY 124	Intro to Organic & Biological Chemistry Lab	Spring	1		
CHMY 293	Independent Study	On Demand	Var		
EGEN 105	Introduction to Engineering	Every	2		
ENSC 105	Environmental Science	Fall	3		
ENV 299	Environmental Laws & Ethics	Spring	3		
GEO 101	Introduction to Physical Geology	Spring	3		
GEO 102	Introduction to Physical Geology Lab	Spring	1		
GPHY 141	Geography of World Regions	Spring	3		
M 121	College Algebra	Every	3		
M 135	Mathematics for K-8 Teachers I	Fall	4		
M 136	Mathematics for K-8 Teachers II	Spring	4		
M 151	Pre-Calculus	Spring	4		
M 171	Calculus I	Fall	4		
M 172	Calculus II	Spring	4		
NRSG 100	Introduction to Nursing	Fall	1		
NUTR 221	Basic Human Nutrition	Fall	3		
PHSX 215	Fundamentals of Physics w/Calculus I	Spring	3		
PHSX 216	Fundamentals of Physics w/Calculus I Lab	Spring	1		
PHSX 217	Fundamentals of Physics w/Calculus II	Fall	3		
PHSX 218	Fundamentals of Physics w/Calculus II Lab	Fall	1		
SCI 150	Scientific Wonders of Glacier National Park	Fall	3		
SCI 191	Introduction to Scientific Research & Writing	Spring	3		
SCI 290	Special Topics in Science	On Demand	Var		
SRVY 210	Introduction to Surveying	On Demand	Var		
STAT 216	Intro to Statistics	Every	4		
Total Core 7 For A Math & Science To Be Completed By Student			30		



Core 7 – Health Sciences: See Advisor for LPN & Pre-Nursing for RN				30 Credits Required	
Course #	Name of Course	Offered	Credits	Semester Taken	Grade
AHMS 144	Medical Terminology	Fall	3		
BIOB 160	Principles of Living Systems	Fall	3		
BIOB 161	Principles of Living Systems Lab	Fall	1		
BIOH 201	Human Anatomy & Physiology I	Fall	3		
BIOH 202	Human Anatomy & Physiology I Lab	Fall	1		
BIOH 211	Human Anatomy & Physiology II	Spring	3		
BIOH 212	Human Anatomy & Physiology II Lab	Spring	1		
BIOM 250	Microbiology for Health Sciences	Spring	3		
BIOM 251	Microbiology for Health Sciences Lab	Spring	1		
CHMY 121	Introduction to General Chemistry	Fall	3		
CHMY 122	Introduction to General Chemistry Lab	Fall	1		
NRSG 100	Introduction to Nursing	Fall	1		
NUTR 221	Basic Human Nutrition	Fall	3		
PSYX 100	Introduction to Psychology	Every	3		
PSYX 230	Developmental Psychology	Fall	3		
SOCI 101	Introduction to Sociology	Every	3		
STAT 216	Intro to Statistics	Every	4		
Total Core 7 Credits For A LPN & Pre-Nursing RN Concentration To Be Completed By Student			30		