

FACULTY OF MATH, SCIENCE & APPLIED SCIENCES

ASTR 1100 (4)	Introduction to Astronomy	ENVI 2310 (3)	Solid Waste Management	MATH 2340 (3)	(discontinued)
ASTR 2101 (3)	Astrophysics I: Stellar Astrophysics	HORT 1102 (3)	Botany for Horticulture	MATH 2341 (4)	Introduction to Statistics for Business
ASTR 2102 (3)	Astrophysics II: Galactic Astronomy	HORT 1104 (3)	Soils, Soil Amendments and Soilless Media: An Introduction	MATH 3322 (3)	Vector Calculus (Calculus IV)
ASTR 3110 (3)	Exploring the Universe I: The Solar System	MATH 3421 (3)		MATH 3421 (3)	Ordinary Differential Equations
ASTR 3111 (3)	Exploring the Universe II: Stars and Galaxies	MATH 1111 (1.5)	Pre-Calculus Algebra Development B †		
APSC 1120 (3)	Intro to Engineering	MATH 1112 (3)	Pre-Calculus Algebra †	† Credit will not be given for both MATH 1112 and the combination of MATH 1111/1113.	
APSC 1151 (3)	Intro to Engineering Graphics	MATH 1113 (3)	Pre-Calculus Algebra-B †		
		MATH 1115 (3)	Statistics I		
BIOL 1110 (4)	Introductory Biology I	MATH 1116(3)	Mathematical Explorations	PHYS 1100 (4)	Basic College Physics
BIOL* 1112 (4)	Biology Today	MATH 1120 (3)	Differential Calculus	PHYS 1101 (4)	Physics for Life Sciences I
BIOL 1160 (4)	Anatomy and Physiology I	MATH 1130 (3)	Calculus for Life Sciences I	PHYS 1102 (4)	Physics for Life Sciences II
BIOL 1210 (4)	Introductory Biology II	MATH 1140 (3)	Calculus I (Business Applications)	PHYS* 1112 (3)	Pulp Physics: Physics in Pop Culture
BIOL 1260 (4)	Anatomy and Physiology II	MATH 1152 (3)	Matrix Algebra for Engineers	PHYS 1120 (4)	Physics for Physical and Applied Sciences I
BIOL 2320 (4)	Genetics	MATH 1190 (3)	Math for Elementary School Teachers	PHYS 1170 (3)	Mechanics I
BIOL 2321 (4)	Cell Biology I	MATH 1220 (3)	Integral Calculus	PHYS 1220 (4)	Physics for Physical and Applied Sciences II
BIOL 2322 (4)	Ecology	MATH 1230 (3)	Calculus for Life Sciences II	PHYS 2101 (2.5)	Experimental Physics I
BIOL 2421 (3)	Cellular Biochemistry	MATH 1240 (3)	Calculus II (Business Applications)	PHYS 2201 (2.5)	Experimental Physics II
CHEM*1101 (4)	Chemistry in the World Around Us	MATH 2232 (3)	Linear Algebra	PHYS 2330 (3)	Intermediate Mechanics
CHEM 1105 (4)	Introductory Chemistry	MATH 2233 (3)	Linear Algebra for Engineering	PHYS 2335 (3.5)	Modern Laboratory Practice
CHEM 1110 (4)	The Structure of Matter	MATH 2234 (0.5)	Computer Applications of Linear Algebra for Applied Science Students	PHYS 2420 (3)	Intermediate Electricity and Magnetism
CHEM 1210 (4)	Chemical Energetics and Dynamics	MATH 2315 (3)	Probability and Statistics	PHYS 2421 (2)	Laboratory in Electric Circuits
CHEM 2310 (4)	Physical Chemistry	MATH 2321 (3)	Multivariate Calculus (Calculus III)	PHYS 2424 (3)	Relativity and Quanta
CHEM 2311 (3)	Physical Chemistry for Life Sciences	MATH 2331 (3)	Introduction to Analysis	PHYS 3202 (3)	Biophysics
CHEM 2315 (4)	Analytical Chemistry	MATH 2335 (3)	Statistics for Life Sciences		
CHEM 2320 (4)	Organic Chemistry I				
CHEM 2410 (5)	Physical-Inorganic Chemistry				
CHEM 2420 (4)	Organic Chemistry II				
ENVI 1112 (5)	Environmental Science				
ENVI 1121 (3)	Environmental Issues				
ENVI 1216 (5)	Introduction to Earth Sciences				

OTHER APPROVED COURSES

ACCT 1230 (3)	Business Statistics	CRIM 2103 (3)	Quantitative Data Analysis I	NURS 4120 (3)	Qualitative and Quantitative Analysis
ANTH 1125 (3)	Introduction to Forensic Anthropology	CRIM 3103 (3)	Quantitative Data Analysis II	PHIL 1150 (3)	Basic Logic
ANTH 1200 (3)	Biological Anthropology	ECON 2350 (3)	Intermediate Microeconomics	PHIL 1155 (3)	Scientific Reasoning
CPSC 1103 (3)	Introduction to Computer Programming I	ECON 2450 (3)	Intermediate Macroeconomics	PHIL 3150 (3)	Advanced Formal Logic
CPSC 1204 (3)	Introduction to Computer Programming II	GEOG 1110 (3)	Introduction to the Atmosphere	PSYC 2300 (3)	Applied Statistics
CPSC 1205 (3)	Fundamental Concepts of Computing	GEOG 1120 (3)	Introduction to Earth Science	PSYC 2400 (3)	Experimental Psychology: Research Methodology
CPSC 2302 (3)	Data Structures and Program Organization	GEOG 2310 (3)	Climatology	PSYC 3300 (3)	Applied Statistics II
CPSC 2405 (3)	Introduction to Discrete Math I	GEOG 2320 (3)	Geomorphology	PSYC 3400 (3)	Applied Research I
CISY 1220 (3)	Foundations in Applied Computing	GEOG 2330 (3)	Introduction to Hydrology	PSYC 4100 (3)	Tests and Measurement
CISY 2311 (3)	C/C++ Programming	GEOG 2390 (3)	Geographic Information and Data Analysis	SOCI 2365 (3)	An Introduction to Statistics in Social Research
CISY 2314 (3)	Database Management Systems	GEOL 1210 (4)	Our Changing Earth		
CISY 2315 (3)	Data Structure	LBED 3130 (3)	Critical Thinking, Logic and Scientific Reasoning		
CRIM 1208 (3)	Methods of Research in Criminology	LBED 3131 (3)	Deduction and Induction		

PROGRAM NOTES

1. A total of 3 quantitative courses are required for the BA Degree, including 1 course from the Faculty of Math, Science & Applied Sciences and School of Horticulture.
2. Students must complete 6 of the 9 quantitative credits within the first 60 credits of their program.
3. Course credits indicated in parenthesis. Asterisks indicate courses especially designed for arts students in mind.
4. Discontinued courses are italicized and in gray.