Math/Science/ Technology

9 credit hours required.

Must be taken in a minimum of 2 departments and must include at least one 4-hour science course with a lab. Lab courses are designated with special emphasis Lab Science.

Some of these courses are also approved to meet one of the Special Emphasis requirements. If a course paired with a lab is taken without the lab it will meet any additional special emphasis indicated. For example, if GEOG 121 is taken without the lab, it will meet the Q special emphasis.

Code	Title	Credits	Goals	Special Emphasis
Anthropology				
ANTH 270	Introduction to Forensic Anthropology *	3	Critical Inquiry & Analysis	
Atmospheric Sciences				
ATSC 110 & 110L	Meteorology I and Meteorology I Laboratory	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
ATSC 220	Extreme Weather and Climate	3	Quantitative Reasoning	
Aviation				
AVIT 468	Air Traffic Non-RADAR Environment	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
Biology				
BIOL 111 & 111L	Concepts of Biology and Concepts of Biology Laboratory *	4	Critical Inquiry & Analysis	Lab Science
BIOL 150 & 150L	General Biology I and General Biology I Laboratory *	4	Critical Inquiry & Analysis	Lab Science
BIOL 151 & 151L	General Biology II and General Biology II Laboratory *	4	Critical Inquiry & Analysis	Lab Science
Biomedical Science				
BIMD 220 & 220L	Human Anatomy & Physiology I and Human Anatomy & Physiology I Lab	4	Intercultural Knowledge & Skills	Diversity of Human Experience; Lab Science
BIMD 221 & 221L	Human Anatomy & Physiology II and Human Anatomy & Physiology II Lab	4	Intercultural Knowledge & Skills	Diversity of Human Experience; Lab Science
Chemical Engineering				
CHE 431	Chemical Engineering Laboratory IV	3	Quantitative Reasoning	Quantitative Reasoning
Chemistry				
CHEM 115 & 115L	Introductory Chemistry and Introductory Chemistry Laboratory *	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
CHEM 116 & 116L	Introduction to Organic and Biochemistry and Introduction to Organic and Biochemistry Laboratory *	4	Critical Inquiry & Analysis	Lab Science
CHEM 121 & 121L	General Chemistry I and General Chemistry I Laboratory *	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
CHEM 122 & 122L	General Chemistry II and General Chemistry II Laboratory *	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
CHEM 221 & 221L	Fundamentals of Chemistry - Concepts and Fundamentals of Chemistry Laboratory	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
CHEM 254 & 254L	Inorganic Chemistry I and Inorganic Chemistry I Laboratory	4	Critical Inquiry & Analysis	Lab Science
Computer Science				
CSCI 101	Introduction to Computers *	3	Information Literacy	
CSCI 110	Introduction to Computer Science *	3	Critical Inquiry & Analysis	
CSCI 160	Computer Science I *	4	Critical Inquiry & Analysis	
CSCI 290	Cyber-Security and Information Assurance *	3	Quantitative Reasoning	Quantitative Reasoning
Economics				
ECON 210	Introduction to Business and Economic Statistics *	3	Quantitative Reasoning	Quantitative Reasoning
Earth System Science & Policy				
ESSP 200	Sustainability Science *	3	Quantitative Reasoning	
Electrical Engineering				
EE 221 & 221L	Electric Circuits I and Electric Circuits I Laboratory *	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
Geography				
GEOG 121 & 121L	Global Physical Environment and Global Physical Environment Laboratory *	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
GEOG 274	Introduction to Geospatial Technologies	3	Information Literacy	Digital Information Literacy
Geology				
GEOL 101 & 101L	Introduction to Geology and Introduction to Geology Laboratory *	4	Critical Inquiry & Analysis	Lab Science
GEOL 102 & 102L	The Earth Through Time and The Earth Through Time Laboratory *	4	Critical Inquiry & Analysis	Lab Science
GEOL 103	Introduction to Environmental Issues *	3	Critical Inquiry & Analysis	
GEOL 106	Global Warming: The Facts and Myths *	3	Critical Inquiry & Analysis	
GEOL 112	Discovering Dinosaurs!	3	Critical Inquiry & Analysis	
GEOL 115	Motion of Life	3	Critical Inquiry & Analysis	
GEOL 205	Surviving on Planet Earth *	3	Critical Inquiry & Analysis	
Honors				
HON 393	Advanced Colloquium in the Sciences	1-4	Critical Inquiry & Analysis	
Mathematics				
MATH 103	College Algebra *	3	Quantitative Reasoning	Quantitative Reasoning
MATH 105	Trigonometry	2	Quantitative Reasoning	Quantitative Reasoning
MATH 107	Precalculus *	4	Quantitative Reasoning	Quantitative Reasoning
MATH 110	Mathematics in Society *	3	Quantitative Reasoning	Quantitative Reasoning

MATH 146	Applied Calculus I *	3 Quantitative Reasoning	Quantitative Reasoning
MATH 165	Calculus I *	4 Quantitative Reasoning	
MATH 166	Calculus II *	4 Quantitative Reasoning	
Music			
MUSC 340	Introduction to Music Technology	2 Quantitative Reasoning	
Nutrition & Dietetics			
N&D 240 & 240L	Fundamentals of Nutrition and Fundamentals of Nutrition Laboratory *	4 Quantitative Reasoning	Quantitative Reasoning; Lab Science
Physics			
PHYS 110 & 110L	Introductory Astronomy and Introductory Astronomy Lab *	4 Quantitative Reasoning	Quantitative Reasoning; Lab Science
PHYS 130	Natural Science-Physics	4 Quantitative Reasoning	Quantitative Reasoning; Lab Science
PHYS 161	Introductory College Physics I	4 Quantitative Reasoning	Quantitative Reasoning; Lab Science
PHYS 211	College Physics I	4 Quantitative Reasoning	Quantitative Reasoning; Lab Science
Psychology			
PSYC 241	Statistics for the Behavioral Sciences *	4 Quantitative Reasoning	Quantitative Reasoning
Public Health Education			
PHE 306	Epidemiology and Biostatistics *	3 Quantitative Reasoning	Quantitative Reasoning
Sociology			
SOC 326	Sociological Statistics *	3 Quantitative Reasoning	Quantitative Reasoning
Space Studies			
SPST 200	Introduction to Space Studies	3 Critical Inquiry & Analysis	
SPST 220	Space Science and Exploration	3 Critical Inquiry & Analysis	
Teaching & Learning			
T&L 474	STEM Concepts in the Elementary Classroom *	3 Written Communication	
*Course offered online			