

# 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
<b>Anthropology</b>				
ANTH 270	Introduction to Forensic Anthropology	3	Critical Inquiry & Analysis	
<b>Atmospheric Sciences</b>				
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	
<b>Aviation</b>				
AVIT 468	Non-RADAR Environment	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
<b>Biology</b>				
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
<b>Biomedical Science</b>				
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
<b>Chemical Engineering</b>				
CHE 431	Chemical Engineering Laboratory IV	3	Quantitative Reasoning	Quantitative Reasoning
<b>Chemistry</b>				
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
<b>Computer Science</b>				
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
<b>Economics</b>				
ECON 210	Introduction to Business and Economic Statistics	3	Quantitative Reasoning	Quantitative Reasoning
<b>Earth System Science &amp; Policy</b>				
ESSP 200	Sustainability Science	3	Quantitative Reasoning	
<b>Electrical Engineering</b>				
EE 206 & 206L	Circuit Analysis and Circuits Laboratory I	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
<b>Geography</b>				
GEOG 121 & 121L	Global Physical Environment and Global Physical Environment Laboratory	4	Quantitative Reasoning	Quantitative Reasoning; Lab Science
<b>Geology</b>				
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 111	Views of Earth and Planets	3	Critical Inquiry & Analysis	
GEOL 205	Surviving on Planet Earth	3	Critical Inquiry & Analysis	
<b>Honors</b>				
HON 393	Advanced Colloquium in the Sciences	1-4	Critical Inquiry & Analysis	
<b>Mathematics</b>				
MATH 103	College Algebra	3	Quantitative Reasoning	Quantitative Reasoning
MATH 105	Trigonometry	2	Quantitative Reasoning	Quantitative Reasoning
MATH 110	Mathematics in Society	3	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	
<b>Music</b>				

MUSC 340	Introduction to Music Technology	2 Quantitative Reasoning	
<b>Nutrition &amp; Dietetics</b>			
N&D 240 & 240L	Fundamentals of Nutrition and Fundamentals of Nutrition Laboratory	4 Quantitative Reasoning	Quantitative Reasoning; Lab Science
<b>Physics</b>			
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
<b>Psychology</b>			
PSYC 241	Introduction to Statistics *	4 Quantitative Reasoning	Quantitative Reasoning
<b>Public Health Education</b>			
PHE 306	Epidemiology and Biostatistics	3 Quantitative Reasoning	Quantitative Reasoning
<b>Sociology</b>			
SOC 326	Sociological Statistics *	3 Quantitative Reasoning	Quantitative Reasoning
<b>Space Studies</b>			
SPST 200	Introduction to Space Studies	3 Critical Inquiry & Analysis	
<b>Teaching &amp; Learning</b>			
T&L 474	STEM Concepts in the Elementary Classroom *	3 Written Communication	
*Course offered online			