

# NUMBERS, ENGINEERING, TECHNOLOGY, AND THE COSMOS MAP

## First Year

Fall Semester	Credits	Spring Semester	Credits
GEFSE 101		3 UNIV 102	2
ENGLISH 110		3 MATH or STAT course **	3
MATH 110 or 120 (or higher) **		3 Exploratory/Critical Course **	3
GECRT-SC 101		3 ENGLISH 225, COMM-ST 110, or COMM-ST 277	3
GECRT-AH 1XX or GECRT-SS 1XX or Exploratory/Critical Course (see below) **		3 GECRT-AH 101 (or GECRT-SS 1XX)	3
UNIV 100 (may be required)		1	
		16	14

Total Credits: 30

\*\* Depending upon course selection, credit hours may be more than 3.

Code	Title	Credits
<b>Exploratory/Critical Courses</b>		
GECRT-SC 101	How Do I Live in A Changing World	3
MATH 210	Calculus I *	4
MATH 220	Calculus II *	4
STAT 235	Elementary Statistics *	3
ASTR 150	Astronomy: Motions of the Cosmos	3
ASTR 155	Astronomy: Starlight and Star Stuff	3
CHEM 211 & 211L	General Chemistry I and Experimental General Chemistry I **	5
COMP-SCI 101 & 101L	Problem Solving and Programming I and Problem Solving & Programming I Lab **, **	4
ENV-SCI 110R & ENV-SCI 110L	Understanding the Earth: Introduction to Environmental Science and Laboratory and Understanding the Earth Laboratory **	5
GEOG 203	Introduction to Geographic Information Systems	4
GEOG 215	Weather and Climate	4
GEOLOGY 220 & 220L	General Geology and General Geology Laboratory	5
GEOLOGY 250L	Field Methods in Earth and Environmental Science	3
PHYSICS 240	Physics For Scientists and Engineers I *	5
MATH 266	Accelerated Calculus I *	4
COMP-SCI 191	Discrete Structures I *	3
UPD 260	History Of Planning And Urban Design	3

\* Course has pre-requisite

\*\* Courses are co-requisites