

Common First-year Curriculum for GREAT Students

	Subject Area	Course Code	Course Title	Sem A	Sem B
Gateway Education	English	GE1401 & GE2401	University English (3 CU) English for Science (3 CU)	√	√
	College-specified Courses	MA1200 / MA1300 & MA1201 / MA1301	Calculus and Basic Linear Algebra I / Enhanced Calculus & Linear Algebra I (3 CU) Calculus and Basic Linear Algebra II / Enhanced Calculus & Linear Algebra II (3 CU)	√	√
		CS1302	Introduction to Computer Programming (3 CU)	√	
College Requirements	Research Methodology	CSCI2002	Workshop on Research Methodology (1 CU)		√
	College Requirements I (Choose 2 from the following 6 courses)				
	Physics	PHY1101 PHY1202	Introductory Classical Mechanics (3 CU) General Physics II (3 CU)	√	
	Chemistry	CHEM1300 CHEM2006A CHEM2007A	Principles of General Chemistry (3 CU) Principles of Inorganic Chemistry (3 CU) Principles of Organic Chemistry (3 CU)		√
	Mathematics	MA2509	Discrete Mathematics (3 CU)		
	College Requirements II (Choose 2 from the following 4 courses)				
	Physics	PHY1203	General Physics III (3 CU)		√
	Chemistry	CHEM2004A CHEM2008A	Principles of Analytical Chemistry (3 CU) Principles of Physical Chemistry (3 CU)		√
	Mathematics	MA1501	Coordinate Geometry (3 CU)		