

[Please see the Courses section of this catalog for complete course descriptions.](#)

<b>First Year – 30-31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
MATH 1950: <i>Calculus w Analytic Geometry I</i> (Math)	4	MATH 1960: <i>Calculus w Analytic Geometry II</i>	4
CPSC 1100: <i>Fundamentals of Computer Science</i>	4	MATH 2200: <i>Elementary Linear Algebra</i>	3
ENGL 1010 or 1011 (Rhetoric and Writing I)	3-4	ENGL 1020 or HIST 2100 (Rhetoric and Writing II)	3
FAH: Historical Understanding	3	FAH: Thought, Values and Beliefs	3
		FAH: Literature	3
	14-15		16
<b>Second Year – 32 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
MATH 2450: <i>Intro to Differential/Difference Equations</i>	3	MATH 2560: <i>Calculus w Analytical Geometry III</i>	4
ACC 2010: <i>Principles of Accounting I</i>	3	ACC 2020: <i>Principles of Accounting II</i>	3
ECON 1010: <i>Principles of Economics: Macroeconomics</i> (Behavioral Social and Science)	3	ECON 1020: <i>Principles of Economics: Microeconomics</i> (Behavioral and Social Science)	3
FAH: Visual and Performing Arts	3	MATH 3000: <i>Intro to Logic and Proof</i>	3
Natural Science with Lab	4	Natural Science without Lab	3
	16		16
<b>Third Year – 30 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
MATH 4130: <i>Intro to Probability and Statistics</i>	3	MATH 4140: <i>Mathematical Statistics</i> (Statistics)	3
MATH 3510: <i>Intro to Analysis I</i>	3	FIN 3370: <i>Principles of Insurance</i>	3
MATH 3820: <i>Communicating Mathematics</i>	3	ECON 3250: <i>Inermediate Macroeconomic Theory</i>	3
MATH 4200: <i>Linear Algebra and Matrix Theory</i>	3	THSP 1090: <i>Public Speaking</i> (or THSP 2090)	3
ECON 3240: <i>Intermediate Microeconomic Theory</i>	3	Elective (ECON 4600)	3
	15		15
<b>Fourth Year – 27-28 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
MATH 4600: <i>Numerical Analysis I</i>	3	MATH 4160: <i>Applied Stat Methods</i> , 4310: <i>Operations Research (Linear)</i> , or 4320: <i>Operations Research (Non-linear)</i>	3
FIN 3020: <i>Essentials of Managerial Finance</i>	3	MATH Elective (3000-4000 Level)*	3
MATH Elective (3000-4000 Level)*	3	MATH Elective (3000-4000 Level)*	3
Non-Western Culture	3	Elective	3
Elective	3	Elective	0-1
	15		12-13

\*Math 4160, 4510 and 4300 are strongly recommended Math Electives if not taken as a required course. MATH 3100 will not satisfy the requirement.

<b>Completed:</b>			
<b>Graduation Requirements:</b>	<b>Hrs</b>	<b>Degree Requirements:</b>	<b>Hrs</b>
120 Total Hours		27-28 General Education Hours	
39 Upper Division (3000-4000) Hours		72 Program (Major) Hours	
30 Hours at UTC		Minor ( <i>Not Required</i> )	
60 Hours at 4-year Institution		11-13 Elective Hours	
		Foreign Language ( <i>Not Required</i> )	