

[Please refer to the Undergraduate Catalog for further program requirements and course descriptions.](#)

First Year – 27-30 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
MATH 1950: <i>Calculus w/Analytic Geometry I</i> (Quantitative Reasoning)	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
Writing and Communication (ENGL 1010 or 1011)	3-4	Humanities and Fine Arts	3-4
Humanities and Fine Arts	3-4	Elective (DATA 1000)**	3
	14-16		13-14
Second Year – 32-33 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
MATH 2450: <i>Introduction to Differential/Difference Equations</i>	3	MATH 2560: <i>Calculus w/Analytic Geometry III</i>	4
ACC 2010: <i>Principles of Accounting I</i>	3	MATH 3000: <i>Introduction to Logic and Proof</i>	3
ECON 1010: <i>Principles of Economics: Macroeconomics</i> (Behavioral and Social Science)	3	ACC 2020: <i>Principles of Accounting II</i>	3
Humanities and Fine Arts	3-4	ECON 1020: <i>Principles of Economics: Microeconomics</i> (Behavioral and Social Science)	3
Natural Science with Lab	4	Natural Science without Lab	3
	16-17		16
Third Year – 30 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
MATH 3510: <i>Introduction to Analysis I</i>	3	MATH 3820: <i>Communicating Mathematics</i>	3
MATH 4130: <i>Introduction to Probability and Statistics</i>	3	MATH 4140: <i>Mathematical Statistics</i> (Quantitative Reasoning)	3
MATH 4200: <i>Linear Algebra and Matrix Theory</i>	3	ECON 3250: <i>Intermediate Macroeconomic Theory</i>	3
ECON 3240: <i>Intermediate Microeconomic Theory</i>	3	FIN 3370: <i>Principles of Insurance</i>	3
THSP 1090: <i>Public Speaking</i> (Writing and Communication)	3	Elective (ECON 3600)***	3
	15		15
Fourth Year – 25-33 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
MATH 4600: <i>Introduction to Numerical Analysis</i>	3	MATH 4160: <i>Applied Statistical Methods</i> , MATH 4310: <i>Mathematical Programming II</i> , or MATH 4320: <i>Nonlinear Optimization</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
Individual and Global Citizenship	3-4	Humanities and Fine Arts	3-4
Elective	1-3	Elective	0-3
		Elective	0-1
	13-16		12-17

*Math 4160, 4510 and 4300 are strongly recommended Math Electives. MATH 3100 will not satisfy the requirement.

**DATA 1000 is a Prerequisite for ACC 2010.

***ECON 3600 is a strongly recommended Elective.

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
120 Total Hours		25-31 General Education Hours	
39 Upper Division (3000-4000 Level) Hours		82 Program (Major) Hours	
30 Hours at UTC		Minor Hours (<i>Not Required</i>)	
45 Hours at 4-year Institution		7-13 Elective Hours	
		Foreign Language (<i>Not Required</i>)	