

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

| <b>First Year – 28-32 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> (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        | Humanities and Fine Arts   | 3-4        |
| Elective  | 1          |  |            |
|   | 15-17      |  | 13-15      |
| <b>Second Year – 32-33 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          |
| Natural Science with Lab  | 4          | MATH 3000: <i>Intro to Logic and Proof</i>                                   | 3          |
| Humanities and Fine Arts  | 3-4        | Natural Science without Lab  | 3          |
| Behavioral and Social Science   | 3          | Behavioral and Social Science  | 3          |
| Minor/Program of Study Course   | 3          | Minor/Program of Study Course  | 3          |
|   | 16-17      |  | 16         |
| <b>Third Year – 30 Hours</b>  |            |  |            |
| <b>Fall Semester:</b>   | <b>Hrs</b> | <b>Spring Semester:</b>  | <b>Hrs</b> |
| MATH 3100: <i>Applied Statistics</i> or MATH 4130: <i>Intro to Probability and Statistics (Quantitative Reasoning)*</i> | 3          | 3000-4000 Level MATH Elective or MATH 4140: <i>Mathematical Statistics *</i> | 3          |
| MATH 3250: <i>Intro to Modern Algebra</i> or 4200: <i>Linear Algebra and Matrix Theory</i>                              | 3          | MATH Elective (3000-4000 Level)  | 3          |
| MATH 3510: <i>Intro to Analysis I</i>   | 3          | THSP 1090: <i>Public Speaking</i> (Writing and Communication)                | 3          |
| MATH 3820: <i>Communicating Mathematics</i>   | 3          | Minor/Program of Study Course (3000-4000 Level)                              | 3          |
| Minor/Program of Study Course   | 3          | Elective   | 3          |
|   | 15         |  | 15         |
| <b>Fourth Year – 24-31 Hours</b>  |            |  |            |
| <b>Fall Semester:</b>   | <b>Hrs</b> | <b>Spring Semester:</b>  | <b>Hrs</b> |
| MATH Elective (3000-4000 Level)   | 3          | MATH Elective (3000-4000 Level)  | 3          |
| Minor/Program of Study Course (3000-4000 Level)   | 3          | Minor/Program of Study Course (3000-4000 Level)                              | 3          |
| Individual and Global Citizenship   | 3-4        | Elective (3000-4000 Level)   | 3          |
| Elective (MATH 4510)  | 3          | Elective   | 3          |
| Elective  | 0-3        | Elective   | 0-3        |
|   | 12-16      |  | 12-15      |

\*Must take either a) MATH 3100 and 12 credit hours of MATH Elective (3000-4000 level) or b) MATH 4130 and 4140 and 9 credit hours of MATH Elective (3000-4000 level).

| <b>Completed:</b>                         |            |  |            |
|---|------------|--|------------|
| <b>Graduation Requirements:</b>           | <b>Hrs</b> | <b>Degree Requirements:</b>              | <b>Hrs</b> |
| 120 Total Hours                           |            | 31-37 General Education Hours            |            |
| 39 Upper Division (3000-4000 Level) Hours |            | 52 Program (Major) Hours                 |            |
| 30 Hours at UTC                           |            | 18 Minor/Program of Study Hours          |            |
| 45 Hours at 4-year Institution            |            | 13-19 Elective Hours                     |            |
|   |            | Foreign Language ( <i>Not Required</i> ) |            |