# Concord University
## Bachelor of Science - *Comprehensive Mathematics*

**Name:** _____

120 hours minimum for graduation with a 2.00 average overall
56 hours from a four-year institution

| Course | Title | CR | GR | QP |
|--------|-------|----|----|----|
| **Written and Oral Communications** *(9 credit hours)  Select one course from BGEN 205 or COMM 101* | | | | |
| ENGL 101 | Composition & Rhetoric I | 3 | | |
| ENGL 102 | Composition & Rhetoric II | 3 | | |
| | | 3 | | |
| **Literature and Humanities** *(6 credit hours) Select one (1) course from Literature and one (1) course from History and Philosophy.  *May be repeated for 3 credit hours.* | | | | |
| | **ENGL** 203, 204, *203A, *204A or *207A | 3 | | |
| | **HIST** 101, 102, 203, 204, **PHIL** 101, 102, 210, 316, or 360 | 3 | | |
| **Fine Arts**– *(3 credit hours)  Select one (1) course from the following:* | | | | |
| | **ART** 101, 103, 105, 106, 204, 205, 216, 303, 304, 308, **MUS** 101, *451, *453A, or **THEA** 102 | 3 | | |
| **Social and Behavioral Sciences** *(9 credit hours) Select one (1) course from three different categories.* | | | | |
| | **Category 1 -  Business and Professional Studies** | 3 | | |
| | BGEN 105, ECON 201, ECON 202, FIN 200, RTM 100 or SOWK 161 | 3 | | |
| | **Category 2 -  Geography** GEOG 101, 250 or 321 | 3 | | |
| | **Category 3 - Political Science** POSC 101, 104, or 202 | | | |
| | **Category 4 -  Psychology** PSY 101 or 200 | | | |
| | **Category 5 – Sociology** SOC 101, 201, or 301 | | | |
| **Natural Sciences** *(7-8 credit hours) Select one (1) course from two different categories.* | | | | |
| | **Category 1-Biological Science** BIOL 101, 102 or 103 | 4 | | |
| | **Category 2-Earth & Space Science** GEOL 101, GEOL 150, GEOG 200, PHSC 104, or PHYS 105 | 3-4 | | |
| | **Category 3-Physical Science** CHEM 100, CHEM 101/111, PHSC 103, PHYS 101, or PHYS 201 | | | |
| **Mathematics** *(3 credit hours) Select one (1) Mathematics course numbered 100 or higher.* | | | | |
| | | 3 | | |
| **Physical Wellness** *(2 credit hours) Select one or more courses listed below for a total of at least two hours.* | | | | |
| | **H ED** 120, 304, **P ED** 101M, 117, 118, or **RTM** 360 | 2 | | |
| **Modern/Classical Language** – *(Required 6 credit hours) Select two courses within the same Modern/Classical Language for substitution purposes.* | | | | |
| | May not substitute Modern Language for ENGL 101, ENGL 102, the 3 hour Mathematics requirement or the 4-hour lab science requirement. | | | |

| **Comprehensive Mathematics**  (2.00 GPA required) NOTE: MATH 101, 110, 305, 414 Cannot be used to meet required GPA | | | | |
|---|---|---|---|---|
| CS 201 | Intro. to Computer Programming I | 3 | | |
| MATH 103 | College Algebra | 3 | | |
| MATH 104 | College Trigonometry | 3 | | |
| MATH 220 | Discrete Mathematics | 3 | | |
| MATH 250 | Calculus w/Analytic Geometry I | 4 | | |
| MATH 251 | Calculus w/Analytic Geometry II | 4 | | |
| MATH 252 | Calculus w/Analytic Geometry III | 4 | | |
| MATH 260 | Elementary Number Theory | 3 | | |
| MATH 303 | Mathematical Probability and Statistics I | 3 | | |
| MATH 307 | Abstract Algebra I | 3 | | |
| MATH 309 | College Geometry | 3 | | |
| MATH 310 | Abstract Algebra II | 3 | | |
| MATH 320 | Applied Linear Algebra | 3 | | |
| MATH 451 | Real Analysis I | 3 | | |
| | 3 hours from CS 202 and above (excluding CS 490 and CS 491) or Math 260 and above (excluding MATH 305 and MATH 414) | 3 | | |
| | 9 hours from MATH 403, 404, 425, 452, 460, 470 and 420 (with consent of Chairperson) | 3 3 3 | | |

MATH 103 and/or 104 may be waived for students establishing proficiency.

**RECOMMENDED:**
8 hours of physics; and 6 additional hours of computer programming.

**RESIDENCE CREDIT:**
36 hours at Concord
16 of last 32 hours at Concord
Note: In some degree programs, this is prior to entering professional training.
9 hours in Major, Teaching Fields

Revised:  8/20/2017