

Name \_\_\_\_\_  
 Student ID \_\_\_\_\_  
 Date \_\_\_\_\_

**GENERAL EDUCATION**

**I. Foundational Intellectual Skills (12-13 hours)**

- \_\_\_ FYS110 First Year Seminar
- \_\_\_ ENG112 Writing, Research, Genre & Context
- \_\_\_ COM101 Public Speaking
- \_\_\_ Mathematics

**II. Knowledge Acquisition (19-20 hours)**

- \_\_\_ Science 1XX with lab
- \_\_\_ HUM210 Humanities Survey Course
- \_\_\_ PHL 130 Human Nature & Person
- \_\_\_ Foreign Language

**One course from each group A and B:**

**Group A**

- \_\_\_ ECN200 Introductory Economics
- \_\_\_ HIS102 History of the Modern World
- \_\_\_ POL102 Introduction to American Politics

**Group B**

- \_\_\_ PSY101 General Psychology
- \_\_\_ PSY220 General Psychology
- \_\_\_ GST200 Introduction to Gender Studies
- \_\_\_ SOC101 Introduction to Sociology
- \_\_\_ SOC175 Introduction to Anthropology

**III. Faith, Ethics, and Foundation (6 hours)**

- \_\_\_ THL105 Introduction to Theology
- \_\_\_ Second Approved THL

**V. Greater Depth Cluster**

- a. Completion of a minor or second major outside school (or department if College of Arts & Sciences)
- b. Completion of an interdisciplinary minor or concentration outside the first major. See catalog for approved programs.
- c. Focus on a specific theme (cluster) outside the major. See catalog for cluster course areas

**Total Earned General Education Hours** \_\_\_\_\_

**Mathematics MAJOR REQUIREMENTS B.S. with Applied Math Concentration (60 hours)**

**Core Courses**

|   |   |
|---|---|
| ___ MAT 230 Calculus I                      | 4 |
| ___ Mat 231 Calculus II                     | 4 |
| ___ MAT 250 Logic and Sets                  | 3 |
| ___ MAT 305 Calculus                        | 4 |
| ___ MAT 310 Linear Algebra                  | 3 |
| ___ MAT 322 Statistical Inference & Data I  | 3 |
| ___ MAT 323 Statistical Inference & Data II | 3 |
| ___ MAT 490 Seminar                         | 3 |
| ___ CST 171 Procedural Programming          | 3 |

**APPLIED MATHEMATICS**

|   |   |
|---|---|
| ___ MAT 315 Differential Equations        | 3 |
| ___ MAT 350 Numerical Methods             | 3 |
| ___ MAT 425 Applied Linear Models         | 3 |
| ___ MAT 450 Real Analysis                 |   |
| ___ CST 270 Object Oriented Programming   | 3 |
| ___ PHY 201 Mechanics                     | 4 |
| ___ PHY 202 Heat, Electricity, and Optics | 4 |

**Remaining credits from**

|                            |   |
|----------------------------|---|
| ___ MAT 300 level or above | 3 |
| ___ CST 340 or above       | 3 |
| ___ BIO 202 or above       | 4 |
| ___ CHE 151 or above       | 4 |
| ___ PHY 212 or above       | 4 |
| ___ FIN 311                | 3 |
| ___ EGR courses            | 3 |

**Total Earned Major Hours** \_\_\_\_\_

**ELECTIVE/MINOR**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Total Earned Minor/Elective Hours** \_\_\_\_\_