

# Q.U. UNDERGRADUATE DEGREE REQUIREMENTS - BONAVENTURE PROGRAM AND MAJOR

**B.S. MATHEMATICS (120 HRS)**  
**Actuarial Science Concentration**

CATALOG YEAR: 2022-2023

DATE AA / AS AWARDED \_\_\_\_\_

NAME \_\_\_\_\_ ID# \_\_\_\_\_

## BONAVENTURE PROGRAM

### A. UNIVERSITY COURSES

| Grade                                   | Credit | IP/Sem |
|---|--------|--------|
| <b>(0-6 hours)</b>                      |        |        |
| Diversity course (D:)** _____ ®         | 0/3    | _____  |
| Global course (G:)** _____ ®            | 0/3    | _____  |
| BPP 410 - Bonaventure Program Portfolio | 0      | _____  |

### B. WRITTEN / ORAL COMMUNICATION

| Grade                                     | Credit | IP/Sem |
|---|--------|--------|
| <b>(9 hours)</b>                          |        |        |
| ENG 111 - Composition                     | 3      | _____  |
| ENG 112 - Composition & Texts             | 3      | _____  |
| COM 101 - Fundamentals of Public Speaking | 3      | _____  |

#### WRITING-ENRICHED COURSES (≥ 2)

MAT 260, MAT 497

### C. PHILOSOPHY / THEOLOGY / ETHICS (9-12 hours)

| Grade  | Credit | IP/Sem |
|--|--------|--------|
| TRS 116 - G:Western Religious Traditions _____ ® | 3      | _____  |
| TRS _____ - _____ _____ ®                        | 3      | _____  |
| PHI _____ - _____ _____                          | 3      | _____  |
| Ethics/Franciscan Values (E:) _____ _____ ®      | 0/3    | _____  |

*E: course must be at 300 level or above PHI 327 recommended*

### D. HUMANITIES / FINE ARTS

| Grade                                | Credit | IP/Sem |
|--------------------------------------|--------|--------|
| <b>(6 hours)</b>                     |        |        |
| English Literature ≥ 200 level _____ | 3      | _____  |
| Art, Music, Theatre, or Film _____   | 3      | _____  |

### E. SOCIAL SCIENCES

| Grade  | Credit | IP/Sem |
|--|--------|--------|
| <b>(9 hours)</b>                               |        |        |
| (CRJ, HMS, POL, PSY, SOC - select from 1 area) |        |        |
| ECO 222 - Principles of Macro-Economics _____  | 3      | _____  |
| _____ - _____ _____                            | 3      | _____  |
| HIS _____ - History _____                      | 3      | _____  |

### F. NATURAL SCIENCES / MATHEMATICS (7-8 hours)

| Grade                           | Credit | IP/Sem |
|---------------------------------|--------|--------|
| Life Sciences (BIO 1XX)* _____  | 3/4    | _____  |
| PHY 223 or PHY 211 _____ ®      | 4      | _____  |
| MAT - Met by major requirements |        | _____  |

® Required: not waived with A.A./A.S. Degree

## G. MAJOR REQUIREMENTS

### Required Courses

| Grade  | Credit | IP/Sem |
|--|--------|--------|
| <b>(38 hours)</b>  |        |        |
| MAT 242 - Calculus & Analytic Geometry I                 | 4      | _____  |
| MAT 243 - Calculus & Analytic Geometry II                | 4      | _____  |
| MAT 244 - Calculus & Analytic Geometry III               | 4      | _____  |
| MAT 260 - W:Mathematical Logic                           | 3      | _____  |
| MAT 329 - Introduction to Linear Algebra & Matrix Theory | 4      | _____  |
| MAT 346 - Differential Equations                         | 3      | _____  |
| MAT 350 - Numerical Analysis                             | 3      | _____  |
| MAT 450 - Probability Theory                             | 3      | _____  |
| MAT 455 - Statistics and Data Analysis                   | 3      | _____  |
| MAT 485 - Introduction to Real Analysis                  | 3      | _____  |
| MAT 315 - Actuarial Prep I                               | 1      | _____  |
| MAT 415 - Actuarial Prep II                              | 1      | _____  |
| MAT 497 - W:Comprehensive Seminar                        | 2      | _____  |

**Students need a Cumulative Major G.P.A. of 2.0 and no more than two major courses (section G) below a 'C' for degree completion.**

## H. REQUIRED SUPPORT & ELECTIVES -

### OUTSIDE MAJOR (100-400 level)

**(27 hours)**

| Grade  | Credit | IP/Sem |
|--|--------|--------|
| ACC 121 - Principles of Financial Accounting | 3      | _____  |
| ACC 221 - Management Accounting              | 3      | _____  |
| CSC 150 - Computer Programming I * (FA)      | 3      | _____  |
| CSC 160 - Computer Programming II * (SP)     | 3      | _____  |
| ECO 223 - Principles of Micro-Economics      | 3      | _____  |
| ECO 225 or MAT 150 - Statistics              | 3      | _____  |
| FIN 315 - Business Finance                   | 3      | _____  |
| MIS 305 - Intro to Management Info Sys.      | 3      | _____  |
| MKT 331 - Principles of Marketing            | 3      | _____  |

**\*Recommend completing within the first two years.**

## I. ADDITIONAL ELECTIVES (Any Discipline) (11-15 hours)

**(Up to 6 hours may be in MAT)**

**These courses are recommended:**

| Grade   | Credit | IP/Sem |
|---|--------|--------|
| COM 363 - W:Technical Comm. and Research Mthds        | 3      | _____  |
| CSC 320 - Database Systems                            | 3      | _____  |
| FIN 420 - Financial Statements Analysis               | 3      | _____  |
| FIN 435 - Investment Principles and Planning Strategy | 3      | _____  |
| FIN 436 - Portfolio Management                        | 3      | _____  |
| MGT 300 - W:Principles of Management                  | 3      | _____  |
| MGT 364 - Operations Management                       | 3      | _____  |
| MKT 432 - Market Research                             | 3      | _____  |

### UNDERGRADUATE DEGREE REQUIREMENTS

#### QUANTITATIVE AND RESIDENCY

- \_\_\_\_\_ Complete ≥ 120 hrs
- \_\_\_\_\_ Complete ≥ 39 hrs at the 300-400 course level
- \_\_\_\_\_ Meet major requirements as set in Academic Catalog
- \_\_\_\_\_ Complete ≥ 27 hrs at 200-400 level with ≥ 21 hrs at QU
- \_\_\_\_\_ Complete ≥ 30 hrs in residency with ≥ 21 hrs in major
- \_\_\_\_\_ Complete ≥ 56 hrs at a 4-year institution

#### QUALITATIVE

- \_\_\_\_\_ A minimum cumulative GPA of 2.0 overall
- \_\_\_\_\_ A minimum GPA of 2.0 in major and relevant minor coursework

Quincy University coursework is measured by Semester Hour. Quarter Hour transfer work will be transferred in as the equivalent Semester Hour.

### TRANSFER STUDENTS WITH A.A. OR A.S. DEGREE

- Most Bonaventure Program requirements are fulfilled except:
- \_\_\_\_\_ 2 Theology courses (one course may transfer in)
  - \_\_\_\_\_ 1 300 level Ethics (E:) course
  - \_\_\_\_\_ 1 Philosophy course if the (E:) Ethics requirement is met outside of the PHI prefix (unless a Philosophy course is transferred in)
  - \_\_\_\_\_ 1 Diversity (D:) or Global (G:) course
  - \_\_\_\_\_ 2 Writing-Enriched (W:) courses

### SERVICE LEARNING HOUR REQUIREMENTS

Students must complete 30 hours. Transfer students who have transferred 24-47.9 hours must complete 20 hours. Those who have transferred 48 hours or more must complete 10 hours. See the QUEST Center for details.

IP/Sem = In progress. Indicate semester (e.g. FA21)

Revised: 06/2021

