

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

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

CATALOG YEAR: 2020-2021

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

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

### BONAVENTURE PROGRAM

#### A. UNIVERSITY COURSES

	Grade	Credit	IP/Sem
Diversity course (D:)** _____	Ⓜ	0/3	_____
Global course (G:)** _____	Ⓜ	0/3	_____
BPP 410 - Bonaventure Program Portfolio		0	_____

\*\*D:/G: courses - Global course will be waived if student has spent one semester abroad.

\*\*D:/G: courses can meet requirements both here and in other areas of the checklist (hours count once)

#### B. WRITTEN / ORAL COMMUNICATION (9 hours)

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)

TRS 116 - G:Western Religious Tradition: Ⓜ _____	3	_____
<i>Transfer students with 24 SH may take any theology course for TRS 116</i>		
TRS _____ - _____ Ⓜ _____	3	_____
PHI _____ - _____ _____	3	_____
Ethics/Franciscan Values (E:) _____ Ⓜ _____	0/3	_____
<i>E: course must be at 300 level or above PHI 327 recommended</i>		

#### D. HUMANITIES / FINE ARTS (6 hours)

English Literature ≥ 200 level _____	3	_____
Art, Music, Theatre, or Film _____	3	_____

#### E. SOCIAL SCIENCES (9 hours)

<i>(CRJ, HMS, POL, PSY, SOC - select from 1 area)</i>		
ECO 222 - Principles of Macro-Economics _____	3	_____
_____ - _____ _____	3	_____
HIS _____ - History _____	3	_____

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

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

<b>UNDERGRADUATE DEGREE REQUIREMENTS</b>
<b>QUANTITATIVE AND RESIDENCY</b>
Complete ≥ 120 SH
Complete ≥ 39 SH at the 300-400 course level
Meet major requirements as set in Academic Catalog
Complete ≥ 27 SH at 200-400 level with ≥ 21 SH at QU
Complete ≥ 30 SH in residency with ≥ 24 SH in major
Transfer students must have ≥ 56 SH at a 4-year institution
<b>QUALITATIVE</b>
A minimum cumulative GPA of 2.0 in all classes
A minimum GPA of 2.0 in major and/or minor courses
<b>TRANSFER STUDENTS WITH A.A. OR A.S. DEGREE</b>
All Bonaventure Program courses are fulfilled with the exception of any two 3 SH TRS, a 300 level Ethics (E:) course, a Diversity (D:) course, a Global (G:) course, two writing-enriched (W:) courses, and any other major requirements.
<b>SERVICE LEARNING REQUIREMENTS</b>
Students must complete 30 hours of service learning, except students who have transferred 24 to 47.9 SH must complete 20 hours, or 48 or more SH must complete 10 hours.

#### G. MAJOR REQUIREMENTS

##### Required Courses

	Grade	Credit	IP/Sem
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	_____

**Minimum GPA of 2.0 required in major courses.**

**No more than 1 course with a grade below a "C".**

#### H. REQUIRED SUPPORT & ELECTIVES -

##### OUTSIDE MAJOR (100-400 level) (27 hours)

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:**

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	_____

#### SUMMARY:

**UPPER-LEVEL HOURS (300-400) (39 hours)**

**(18 in the total baccalaureate program)**

MAT 329 (4) MAT 450 MAT315(1) MIS 305 E:3XX

MAT 346 MAT 455 MAT415(1) MKT 331

MAT 350 MAT485 MAT497(2) FIN315 +4 hours