

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

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

CATALOG YEAR: 2019-2020

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)

(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)

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

UNDERGRADUATE DEGREE REQUIREMENTS
QUANTITATIVE AND RESIDENCY 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
QUALITATIVE A minimum cumulative GPA of 2.0 in all classes A minimum GPA of 2.0 in major and/or minor courses
TRANSFER STUDENTS WITH A.A. OR A.S. DEGREE 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.
SERVICE LEARNING REQUIREMENTS 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