

QU. UNDERGRADUATE DEGREE REQUIREMENTS - BONAVENTURE PROGRAM AND MAJOR

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

CATALOG YEAR: 2018-2019

NAME _____ ID# _____
 DEGREE COMPLETION TERM _____ 20_____
 DATE A.A./A.S. AWARDED _____ DAYTIME PH.# _____

BONAVENTURE PROGRAM

A. UNIVERSITY COURSES

Grade	Credit	IP/Sem
(0-6 hours)		
_____	_____	_____
_____	_____	_____

Diversity course (D:)** _____ ® _____ 0/3 _____
 Global course (G:)** _____ ® _____ 0/3 _____
 **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	_____

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

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
 IP/Sem = In progress. Indicate semester (e.g. FA16)

Fun fact: This degree contains all of the prerequisites for QU's Master of Business Administration Program. See the catalog for more details.

G. MAJOR REQUIREMENTS

Grade	Credit	IP/Sem	
Required Courses (38 hours)			
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 -

Grade	Credit	IP/Sem	
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 222 - Principles of Macro-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)

Grade	Credit	IP/Sem	
These courses are recommended:			
COM 363 - W:Technical Comm. and Research Methods	_____	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

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 ≥ 21 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.