

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

**B.S. MATHEMATICS (120 HRS)**

CATALOG YEAR: 2018-2019

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

**BONAVENTURE PROGRAM**

**A. UNIVERSITY COURSES**

	<u>Grade</u>	<u>Credit</u>	<u>IP/Sem*</u>
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 (12 hours)**

TRS 116 - G: Western Religious Tradit® _____	3	_____
<i>Transfer students with 24 SH may take any theology course for TRS 116</i>		
TRS _____ - _____ ®	3	_____
PHI _____ - _____	3	_____
Ethics/Franciscan Values (E:) _____ ®	3	_____

E: course must be at 300 level or above

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

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

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

(CRJ, ECO, HMS, POL, PSY, SOC - select from 2 areas)		
_____ - _____	3	_____
_____ - _____	3	_____
HIS _____ - History _____	3	_____

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

Life Sciences (BIO 111 recommended) *	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)

**G. MAJOR REQUIREMENTS**

	<u>Grade</u>	<u>Credit</u>	<u>IP/Sem*</u>
<b>1 Required Courses (36 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 450 - Probability Theory _____	3	_____	
MAT 485 - Introduction to Real Analysis _____	3	_____	
MAT 497 - W:Comprehensive Seminar _____	2	_____	

**2 Math Electives (200-400 level) (6 hours)**

(MAT 440 strongly recommended for students pursuing graduate work)

_____	_____	_____
_____	_____	_____

**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)**

CSC 150 - Computer Programming I * (FA) _____	3	_____
CSC 160 - Computer Programming II * (SP) _____	3	_____

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

\*Recommend completing within the first two years.

**I. ADDITIONAL ELECTIVES (Any Discipline) (13-14 hours) (Up to 6 hours may be in MAT)**

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**SUMMARY:**

<b>UPPER-LEVEL HOURS (300-400)</b>	<b>(39 hours)</b>
<b>(18 in the total baccalaureate program)</b>	
MAT 329 (4) MAT 485	
MAT 346 MAT 497 (2)	
MAT 450 E:3XX + 21 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.