

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

**B.S. - BIOLOGICAL SCIENCES - (123 HRS)  
PRE-PHYSICAL THERAPY CONCENTRATION**

CATALOG YEAR: 2020-2021

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	_____

\*\*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)

BIO 327, BIO 497, PED 345

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

TRS 116 - Western Religious Traditor ®	_____	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

PHI 323 highly recommended

### 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 (4 hours)

BIO - Met by major requirements	_____	_____	_____
CHE - Met by major requirements	_____	_____	_____
MAT 242 - Calculus and Analytic Geometry I ®	_____	4	_____

® Required: not waived with AA/AS Degree

### G. BIOLOGY MAJOR COURSES

	Grade	Credit	IP/Sem*
<b>(41 hours)</b>			
BIO 150 - Principles of Biology I (FA)	_____	4	_____
BIO 151 - Principles of Biology II (SP)	_____	4	_____
BIO 232 - Microbiology (FA)	_____	3	_____
BIO 282 - Anatomy & Physiology I (FA)	_____	4	_____
BIO 283 - Anatomy & Physiology II (SP)	_____	4	_____
BIO 305 - Genetics (SP)	_____	3	_____
BIO 327 - W:Ecology (FA)	_____	3	_____
BIO 328 - Advanced Topics in Anatomy & Physiology	_____	3	_____
BIO 350 - Molecular Biology (FA)	_____	3	_____
BIO 354 - Pathophysiology	_____	3	_____
BIO 360 - Neurobiology (SP)	_____	3	_____
BIO 410 - Immunology (FA)	_____	3	_____
<b>OR</b>			
BIO 433 - Endocrinology (FA)	_____	3	_____
BIO 497 - W:Coordinating Seminar (Sr. Yr.)	_____	1	_____

**Minimum GPA of 2.0 required in all BIO courses.**

### H. REQUIRED SUPPORT COURSES (43 hours)

CHE 150 - General Chemistry I (FA)	_____	5	_____
CHE 151 - General Chemistry II (SP)	_____	5	_____
PED 106 - Strength Training	_____	2	_____
PED 236 - First Aid and CPR	_____	2	_____
PED 246 - Exercise Techniques	_____	3	_____
PED 301 - Sport and Exercise Nutrition	_____	3	_____
PED 344 - Kinesiology	_____	3	_____
PED 345 - W:Physiology of Exercise	_____	3	_____
PED 454 - Exercise Assessment	_____	3	_____
PHY 211 - Fundamentals of Physics I (FA)	_____	4	_____
PHY 212 - Fundamentals of Physics II (SP)	_____	4	_____
MAT 150 - Basic Statistics	_____	3	_____
_____ Required Elective	_____	3	_____

**Certain courses are usually offered in one semester (FA/SP).**

**Check with the Registrar or your advisor for scheduling changes.**

#### SUMMARY:

UPPER- LEVEL HOURS (300-400)		(40 hours)	
<b>(40 in the total degree program)</b>			
BIO 305	BIO 350	BIO 410/433	PED 344
BIO 327	BIO 354	BIO 497	PED 345
BIO 328	BIO 360	PED 301	PED 444
			PHI 3 _____

## 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.