

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

B.S. - BIOLOGICAL SCIENCES - (120 HRS) PRE-MEDICAL SCIENCES

CATALOG YEAR: 2019-2020

DATE AA / AS AWARDED _____

NAME _____ ID# _____

BONAVENTURE PROGRAM

	Grade	Credit	IP/Sem*
A. UNIVERSITY COURSES		(0-6 hours)	
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	

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
<i>E: course must be at 300 level or above</i>	
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 my major requirements	
CHE - Met by major requirements	
MAT 242 - Calculus and Analytic Geometry I® _____	4

® Required: not waived with A.A./A.S. Degree

	Grade	Credit	IP/Sem*
G. BIOLOGY MAJOR COURSES		(41 hours)	
Core		(22 hours)	
BIO 150 - Principles of Biology I (FA) _____		4	
BIO 151 - Principles of Biology II (SP) _____		4	
BIO 282 - Anatomy & Physiology I (FA) _____		4	
BIO 305 - Genetics (SP) _____		3	
BIO 327 - W:Ecology (FA) _____		3	
BIO 350 - Molecular Biology (FA) _____		3	
BIO 497 - W:Coordinating Seminar (Sr. Yr.) _____		1	

Pre-Medical Sciences Requirements	(19 hours)
BIO 232 - Microbiology (FA) _____	3
BIO 283 - Anatomy & Physiology II (SP) _____	4
BIO 330 - Developmental Biology (SP) _____	3
BIO 360 - Neurobiology (SP) _____	3
BIO 410 - Immunology (FA) _____	3
BIO 433 - Endocrinology (FA) _____	3

Minimum GPA of 2.0 required in all BIO courses.

H. REQUIRED SUPPORT COURSES	(31 hours)
CHE 150 - General Chemistry I (FA) _____	5
CHE 151 - General Chemistry II (SP) _____	5
CHE 302 - Organic Chemistry I (FA) _____	5
CHE 303 - Organic Chemistry II (SP) _____	5
PHY 211 - Fundamentals of Physics I (FA) _____	4
PHY 212 - Fundamentals of Physics II (SP) _____	4
MAT 150 - Statistics _____	3

I. ADDITIONAL ELECTIVES (Any discipline)	(8 hours)
(100-400 level - up to 7 hours may be in BIO)	(to total 120)
CHE 321 - Biochemistry (Highly Recommended) _____	4
_____ - _____	
_____ - _____	

SUMMARY:

UPPER-LEVEL HOURS (300-400)	(39 hours)
(35 in the total degree program)	
BIO 305 BIO 350 BIO 433	CHE 303 (5) _____
BIO 327 BIO 360 BIO 497 (1)	PHI 3 _____
BIO 330 BIO 410 CHE 302 (5)	_____

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.