

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

**B.S. - BIOLOGICAL SCIENCES (120 HRS)**

**CATALOG YEAR: 2019-2020**

DATE AA / AS AWARDED \_\_\_\_\_

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

## BONAVENTURE PROGRAM

	Grade	Credit	IP/Sem*
<b>A. UNIVERSITY COURSES</b>		<b>(0-6 hours)</b>	
Diversity course (D:)** _____ ®	_____	0/3	_____
Global course (G:)** _____ ®	_____	0/3	_____
BPP 410 - Bonaventure Program Portfolio	_____	0	_____
<i>**D:/G: courses - Global course will be waived if student has spent one semester abroad.</i>			
<i>**D:/G: courses can meet requirements both here and in other areas of the checklist (hours count once)</i>			

<b>B. WRITTEN / ORAL COMMUNICATION</b>	<b>(9 hours)</b>
ENG 111 - Composition	_____ 3 _____
ENG 112 - Composition & Texts	_____ 3 _____
COM 101 - Fundamentals of Public Speaking	_____ 3 _____
<b>WRITING-ENRICHED COURSES (≥ 2)</b>	
BIO 327, BIO 497	

<b>C. PHILOSOPHY / THEOLOGY / ETHICS</b>	<b>(12 hours)</b>
TRS 116 - 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:) _____ ®	_____ 3 _____
<i>E: course must be at 300 level or above</i>	
PHI 323 highly recommended	

<b>D. HUMANITIES / FINE ARTS</b>	<b>(6 hours)</b>
English Literature ≥ 200 level	_____ 3 _____
Art, Music, Theatre, or Film	_____ 3 _____

<b>E. SOCIAL SCIENCES</b>	<b>(9 hours)</b>
(CRJ, ECO, HMS, POL, PSY, SOC - select from 2 areas)	
_____ - _____	_____ 3 _____
_____ - _____	_____ 3 _____
HIS _____ - History _____	_____ 3 _____

<b>F. NATURAL SCIENCES / MATHEMATICS</b>	<b>(4 hours)</b>
BIO - Met by 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*
<b>G. BIOLOGY MAJOR COURSES</b>		<b>(41 hours)</b>	
<b>Core</b>		<b>(24 hours)</b>	
BIO 150 - Principles of Biology I (FA)	_____	4	_____
BIO 151 - Principles of Biology II (SP)	_____	4	_____
BIO 232 - Microbiology (FA)	_____	3	_____
BIO 305 - Genetics (SP)	_____	3	_____
BIO 327 - W:Ecology (FA)	_____	3	_____
BIO 330 - Developmental Biology	_____	3	_____
BIO 350 - Molecular Biology (FA)	_____	3	_____
BIO 497 - W:Coordinating Seminar (Sr. Yr.)	_____	1	_____
		<b>(17 hours)</b>	

**(200-400) Biology Electives (only 3 courses at 200 Level)**

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

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

<b>H. REQUIRED SUPPORT COURSES</b>	<b>(31 hours)</b>
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 _____
_____ - Statistics	_____ 3 _____

<b>I. ADDITIONAL ELECTIVES (Any discipline)</b>	<b>(8 hours)</b>
<b>(100-400 level - up to 5 hours may be in BIO)</b>	<b>(to total 120)</b>
CHE 321 - Biochemistry (Highly Rec)	_____ 4 _____
_____	_____ _____

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

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

### SUMMARY:

<b>UPPER- LEVEL HOURS (300-400)</b>	<b>(39 hours)</b>
<b>(26 in the total degree program)</b>	
BIO 305 BIO 350 CHE 302 (5)	
BIO 327 BIO 497 (1) CHE 303 (5)	
BIO 330 E:3XX	+13 hours

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