

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

B.S. - BIOCHEMISTRY & MOLECULAR BIOLOGY (120 HRS)

CATALOG YEAR: 2023-2024

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	
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)			
BMB 497 _____			
C. PHILOSOPHY / THEOLOGY / ETHICS		(9-12 hours)	
TRS 116 - Western Religious Tradition® _____		3	
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 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*
G. BIOCHEMISTRY AND MOLECULAR BIOLOGY		(65 hours)	
BIOLOGY CORE		(16 hours)	
BIO 150 - Principles of Biology I (FA) _____		4	
BIO 305 - Genetics (SP) _____		3	
BIO 405 - Advanced Genetics _____		3	
BIO 350 - Molecular Biology (FA) _____		3	
BIO 450 - Advanced Molecular Biology _____		3	
CHEMISTRY CORE		(24 hours)	
CHE 150 - General Chemistry I (FA) _____		5	
CHE 151 - General Chemistry II (SP) _____		5	
CHE 205 - Forensic Chemistry _____		4	
CHE 302 - Organic Chemistry I (FA) _____		5	
CHE 303 - Organic Chemistry II (SP) _____		5	
BIOCHEMISTRY CORE		(11 hours)	
CHE 131 - Introduction to Biochemistry _____		3	
CHE 321 - Biochemistry _____		4	
CHE 421 - Advanced Biochemistry _____		4	
RESEARCH CORE		(14 hours)	
BMB 280 - Introduction to Biochemistry Research _____		3	
BMB 281 - Sophomore Research _____		2	
BMB 380/381 - Junior Research _____		2+2	
BMB 480/481 - Senior Research _____		2+2	
BMB 497 - W: Senior Seminar _____		1	
Students need a Cumulative Major G.P.A. of 2.0 and no more than two major courses (section G) below a 'C' for degree completion			
H. REQUIRED SUPPORT COURSES		(11 hours)	
MAT 150 - Statistics _____		3	
PHY 211 - Fundamentals of Physics I (FA) _____		4	
PHY 212 - Fundamentals of Physics II (SP) _____		4	
I. ADDITIONAL ELECTIVES (Any discipline)		(7 hours)	
BIO 232 - Microbiology (Highly Recommended) _____		3	
BIO 330 - Developmental Biology (Highly Recommended) _____		3	
CHE 401 - Physical Chemistry I (Recommended) _____		4	
MAT 243 - Calculus II (Recommended) _____		4	
_____ - _____			

**Certain courses are usually offered in one semester (FA/SP).
Check with the Registrar or your advisor for scheduling changes.**

UNDERGRADUATE DEGREE REQUIREMENTS

QUANTITATIVE AND RESIDENCY

- _____ Complete ≥ 120 hrs
- _____ Complete ≥ 39 hrs at the 300-400 course level
- _____ Meet major requirements as set in Academic Catalog
- _____ Complete ≥ 27 hrs at 200-400 level with ≥ 21 hrs at QU
- _____ Complete ≥ 30 hrs in residency with ≥ 21 hrs in major
- _____ Complete ≥ 56 hrs at a 4-year institution

QUALITATIVE

- _____ A minimum cumulative GPA of 2.0 overall
- _____ A minimum GPA of 2.0 in major and relevant minor coursework

Quincy University coursework is measured by Semester Hour. Quarter Hour transfer work will be transferred in as the equivalent Semester Hour.

TRANSFER STUDENTS WITH A.A. OR A.S. DEGREE

Most Bonaventure Program requirements are fulfilled except:

- _____ 2 Theology courses (one course may transfer in)
- _____ 1 300 level Ethics (E:) course
- _____ 1 Philosophy course if the (E:) Ethics requirement is met outside of the PHI prefix (unless a Philosophy course is transferred in)
- _____ 1 Diversity (D:) or Global (G:) course
- _____ 2 Writing-Enriched (W:) courses

SERVICE LEARNING HOUR REQUIREMENTS

Students must complete 30 hours. Transfer students who have transferred 24-47.9 hours must complete 20 hours. Those who have transferred 48 hours or more must complete 10 hours. See the QUEST Center for details.