

**Q.U. UNDERGRADUATE DEGREE REQUIREMENTS - BONAVENTURE PROGRAM AND MAJOR
B.S. - BIOLOGICAL SCIENCES - (120 HRS)
ENVIRONMENTAL CONCENTRATION**

CATALOG YEAR: 2018-2019

NAME _____ ID# _____

BONAVENTURE PROGRAM

A. UNIVERSITY COURSES

Grade Credit IP/Sem*
(0-6 hours)

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)
BIO 327, BIO 497

C. PHILOSOPHY / THEOLOGY / ETHICS (12 hours)

TRS 116 - G: Western Religious Tradi® _____ 3 _____
Transfer students with 24 SH may take any theology course for TRS 116
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 my major requirements
CHE - Met by major requirements
MAT 242 - Calculus and Analytic Geometry I® _____ 4 _____

G. BIOLOGY MAJOR COURSES

Grade Credit IP/Sem*

Core (43 hours)
Core (25 hours)
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 305 - Genetics (SP) _____ 3 _____
BIO 327 - W:Ecology (FA) _____ 3 _____
BIO 350 - Molecular Biology (FA) _____ 3 _____
BIO 497 - W:Coordinating Seminar (Sr. Yr.) _____ 1 _____
Environmental Requirements (18 hours)
BIO 221 - Invertebrate Zoology (SP) _____ 3 _____
BIO 321 - Entomology (FA) _____ 3 _____
BIO 357 - Environmental Science I (FA) _____ 3 _____
BIO 358 - Environmental Science II (SP) _____ 3 _____
BIO 435 - Plant Field Biology (SP) _____ 3 _____
BIO 436 - Vertebrate Field Biology (SP) _____ 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 _____
_____ - Statistics _____ 3 _____

I. ADDITIONAL ELECTIVES (Any discipline) (6 hours)

(100-400 level - up to 5 hours may be in BIO) (to total 120)
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:

UPPER- LEVEL HOURS (300-400) (39 hours)

(38 in the total degree program)
BIO 305 BIO 358 BIO 497 (1)
BIO 327 BIO 435 CHE 302 (5)
BIO 350 BIO 436 CHE 303 (5)
BIO 357 BIO 480 PHI 3_____ +1 hour

® Required: not waived with A.A./A.S. Degree
*IP/Sem = In progress. Indicate semester (e.g. FA16)

**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.