

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

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

CATALOG YEAR: 2021-2022

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                  |         |

|   |  |                  |  |
|---|--|------------------|--|
| <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                |  |

### WRITING-ENRICHED COURSES (≥ 2)

BIO 327, BIO 497

|   |  |                   |  |
|---|--|-------------------|--|
| <b>C. PHILOSOPHY / THEOLOGY / ETHICS</b>      |  | <b>(12 hours)</b> |  |
| TRS 116 - G: Western Religious Traditi® _____ |  | 3                 |  |
| TRS _____ - _____ ® _____                     |  | 3                 |  |
| PHI _____ - _____ _____                       |  | 3                 |  |
| Ethics/Franciscan Values (E:) _____ ® _____   |  | 3                 |  |

*E: course must be at 300 level or above*

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 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* |
|--|-------|-------------------|---------|
| <b>G. BIOLOGY MAJOR COURSES</b>                  |       | <b>(41 hours)</b> |         |
| <b>Core</b>                                      |       | <b>(22 hours)</b> |         |
| 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.*

|   |  |                   |  |
|---|--|-------------------|--|
| <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                 |  |
| MAT 150 - Statistics _____                      |  | 3                 |  |

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

## 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.