

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

**B.S. CHEMISTRY - (120 HOURS)**  
**PRE-MEDICAL SCIENCES**

CATALOG YEAR: 2019-2020

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

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

**BONAVENTURE PROGRAM**

**A. UNIVERSITY COURSES**

Grade Credit IP/Sem\*  
**(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)**

CHE 205, CHE 309

**C. PHILOSOPHY / THEOLOGY / ETHICS (12 hours)**

TRS 116 - G: Western Religious Traditi ®	3	
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*Transfer students with 24 SH may take any theology course for TRS 116*

TRS _____ - _____ ®	3	
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PHI _____ - _____	3	
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Ethics/Franciscan Values (E:) _____ ®	3	
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*E: course must be at 300 level or above*

PHI 323 highly recommended

**D. HUMANITIES / FINE ARTS (6 hours)**

English Literature ≥ 200 level _____	3	
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Art, Music, Theatre, or Film _____	3	
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**E. SOCIAL SCIENCES (9 hours)**

(CRJ, ECO, HMS, POL, PSY, SOC - select from 2 areas)

_____ - _____	3	
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HIS _____ - History _____	3	
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**F. NATURAL SCIENCES / MATHEMATICS**

BIO - Met by major requirements

CHE - Met by major requirements

MAT - Met by major requirements

**G. CHEMISTRY MAJOR COURSES**

Grade Credit IP/Sem\*  
**(42 hours)**

CHE 150 - General Chemistry I (FA)	5	
CHE 151 - General Chemistry II (SP)	5	
CHE 205 - W:Forensic/Quantitative Chemistry	4	
CHE 302 - Organic Chemistry I (FA)	5	
CHE 303 - Organic Chemistry II (SP)	5	
CHE 309 - W:Laboratory Safety	1	
CHE 311 - Organic Mechanisms & Spectroscopy	4	
CHE 321 - Biochemistry	4	
CHE 349 - Inorganic/Organometallic Chem	4	
CHE 401 - Physical Chemistry I	4	
CHE 497 - Seminar	1	

*Minimum GPA of 2.0 required in all CHE courses*

**H. REQUIRED SUPPORT COURSES (25 hours)**

PHY 211 - Fundamentals of Physics I (FA)	4	
PHY 212 - Fundamentals of Physics II (SP)	4	

OR

PHY 223 - Principles of Physics I (SP)	4	
PHY 224 - Principles of Physics II (FA)	4	

BIO 150 - Principles of Biology I (FA)	4	
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BIO 200-400 _____	3	
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BIO 200-400 _____	3	
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MAT 150 - Basic Statistics	3	
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MAT 242 - Calculus and Analytic Geometry I (FA)	4	
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**I. ELECTIVES - OUTSIDE MAJOR (5-15 hours) (100-400 level) (to total 120)**

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*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)**  
**(31 in the total degree program)**

CHE 302 (5)	CHE 311 (4)	CHE 401 (4)
CHE 303 (5)	CHE 321 (4)	CHE 497 (1)
CHE 309 (1)	CHE 349 (4)	E: 3XX +8 hours

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

**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.