

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

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

CATALOG YEAR: 2020-2021

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 Tradition ®	_____	3	_____
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*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**

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	_____
<b>OR</b>			
PHY 223 - Principles of Physics I (SP)	_____	4	_____
PHY 224 - Principles of Physics II (FA)	_____	4	_____
BIO 150 - Principles of Biology I (FA)	_____	4	_____
BIO 200-400 _____	_____	3	_____
BIO 200-400 _____	_____	3	_____
MAT 150 - Basic Statistics	_____	3	_____
MAT 242 - Calculus and Analytic Geometry I (FA)	_____	4	_____

**I. ELECTIVES - OUTSIDE MAJOR (5-15 hours) (100-400 level) (to total 120)**

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

*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>(31 in the total degree program)</b>	
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

<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, <u>except</u> students who have transferred 24 to 47.9 SH must complete 20 hours, or 48 or more SH must complete 10 hours.</p>
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