

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

B.S. CHEMISTRY (120 HRS)

CATALOG YEAR: 2018-2019

NAME _____ ID# _____

BONAVENTURE PROGRAM

A. UNIVERSITY COURSES	Grade	Credit	IP/Sem*
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	Grade	Credit	IP/Sem*
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	Grade	Credit	IP/Sem*
TRS 116 - G: Western Religious Tradit® _____		3	
<i>Transfer students with 24 SH may take any theology course for TRS 116</i>			
TRS _____ - _____ ®		3	
PHI _____ - _____		3	
Ethics/Franciscan Values (E:) _____ ®		3	

E: course must be at 300 level or above

D. HUMANITIES / FINE ARTS	Grade	Credit	IP/Sem*
English Literature ≥ 200 level _____		3	
Art, Music, Theatre, or Film _____		3	

E. SOCIAL SCIENCES	Grade	Credit	IP/Sem*
(CRJ, ECO, HMS, POL, PSY, SOC - select from 2 areas)			
_____ - _____		3	
_____ - _____		3	
HIS _____ - History _____		3	

F. NATURAL SCIENCES / MATHEMATICS	Grade	Credit	IP/Sem*
BIO 150 - Principles of Biology I _____		4	
Physical Sciences requirement met by major			
Mathematics requirement met by major			

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

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 Chemistry _____		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	Grade	Credit	IP/Sem*
(31 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	
MAT 150 - Basic Statistics _____		3	
MAT 242 - Calculus & Analytic Geometry I _____		4	
MAT 243 - Calculus & Analytic Geometry II _____		4	
MAT 244 - Calculus & Analytic Geometry III _____		4	

I. ELECTIVES (Any discipline)	Grade	Credit	IP/Sem*
(15 hours)			
(100-400 level - up to 7 hours may be in CHE)			(to total 120)
CHE 410 - Introduction to Chemistry Research (Rec) _____		1-3	

**Certain courses are usually offered in one semester (FA/SP).
Check with 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)	Ethics 3_____ +8 hours

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

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.