

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

## B.S. CHEMISTRY - FORENSIC SCIENCE (120 HOURS)

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 (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, CRJ 340

#### 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)

(ECO, HMS, POL, PSY, SOC)

\_\_\_\_\_ - \_\_\_\_\_ \_\_\_\_\_ 3 \_\_\_\_\_

CRJ 101 - Intro to Criminal Justice \_\_\_\_\_ 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 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

(40 hours)

##### Criminal Justice

(15 hours)

CRJ 242 - Law Enforcement Procedures \_\_\_\_\_ 3 \_\_\_\_\_

CRJ 340 - W:Police and Society \_\_\_\_\_ 3 \_\_\_\_\_

CRJ 343 - G:Criminology \_\_\_\_\_ 3 \_\_\_\_\_

CRJ 347 - Contemporary Criminal Law & Procedures \_\_\_\_\_ 3 \_\_\_\_\_

CRJ 450 - Criminalistics & Forensics \_\_\_\_\_ 3 \_\_\_\_\_

##### Science (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 \_\_\_\_\_

BIO 305 - Genetics (SP) \_\_\_\_\_ 3 \_\_\_\_\_

BIO 350 - Molecular Biology (FA) \_\_\_\_\_ 3 \_\_\_\_\_

MAT 150 - Elementary Statistics (SP) \_\_\_\_\_ 3 \_\_\_\_\_

MAT 242 - Calculus & Analytical Geometry \_\_\_\_\_ 4 \_\_\_\_\_

#### I. ELECTIVES-OUTSIDE OF MAJOR (to total 120 hours)

(100-400 level)

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) (45 hours)

(45 in the total degree program)

CHE 302 (5) CHE 321 (4) CHE 497 (1) CRJ 347 BIO350

CHE 303 (5) CHE 349 (4) CRJ 340 CRJ 459 E: 3XX

CHE 309 (1) CHE 401 (4) CRJ 343 BIO 305

### 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.