

Q.U. UNDERGRADUATE DEGREE REQUIREMENTS - BONAVENTURE AND MAJOR

B.S. COMPUTER SCIENCE

(120 HRS)

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 - W: Composition	_____	3	_____
ENG 112 - W: Composition & Texts	_____	3	_____
COM 101 - Fundamentals of Public Speaking	_____	3	_____

WRITING-ENRICHED COURSES (≥ 2)

C. PHILOSOPHY / THEOLOGY / ETHICS (12 hours)

TRS 116 - G: Western Religious Tradi®	_____	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
 CSC 350/PHI329 E: Computer and Information ethics is highly rec.

D. HUMANITIES / FINE ARTS (6 hours)

English Literature ≥ 200 level	_____	3	_____
Art, Music, Theatre, or Film	_____	3	_____

E. SOCIAL SCIENCES (9 hours)

<i>(CRJ, ECO, HMS, POL, PSY, SOC - select from 2 areas)</i>			
_____ - _____	_____	3	_____
_____ - _____	_____	3	_____
HIS ____ - History _____	_____	3	_____

F. NATURAL SCIENCES / MATHEMATICS (7-8 hours)

Life Sciences (BIO 111 rec) *	_____	3/4	_____
Physical Sciences (SCI 115 rec)*	_____	3/4	_____
MAT - Met by major requirements	_____	_____	_____

* One Science course needs a lab

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

G. MAJOR REQUIREMENTS (40 hours)

	Grade	Credit	IP/Sem*
CSC 115 - Introduction to Computer Science	_____	3	_____
CSC 150 - Computer Programming I (FA)	_____	3	_____
CSC 160 - Computer Programming II (SP)	_____	3	_____
CSC 250 - Software Systems (FA)	_____	3	_____
CSC 260 - Intro to Software Development(FA)	_____	3	_____
CSC 300 - Program Design Using Data Structures (FA)	_____	3	_____
CSC 310 - Analysis of Algorithms (SP)	_____	3	_____
CSC 320 - Database Systems (SP)	_____	3	_____
CSC 330 - Operating Systems (SP-even)	_____	3	_____
CSC 340 - Computer Architecture (SP-Odd)	_____	3	_____
CSC 390 - Web Programming (FA)	_____	3	_____
CSC 410 - Computer Networks (SP)	_____	3	_____
CSC 495 - W: Capstone Computing Project I	_____	2	_____
CSC 496 - W: Capstone Computing Project II	_____	2	_____

**A minimum of 2.0 GPA is required in major courses.
 No more than 2 courses with grades below a "C-".**

H. REQUIRED SUPPORT COURSES (3 hours)

MAT 252* - Discrete Math (FA)	_____	3	_____
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*Prereq: College Algebra (MAT 125) or appropriate score on Placement Test.

I. ELECTIVES ** (18-24 hours)

Up to 3 hours may be CSC or CIS courses (to total 120)
 ** A minor outside the field of Computer Science is strongly encouraged - see catalog for specific requirements for each minor (12 hours must be at 200-400 level; 12 hours must be taken at QU)
 † **Must complete a minimum of 27 non CIS/CSC hours.**

CSC 430 - Mobile Programming is (Highly Rec)	_____	0/3	_____
CSC 440 - Information System Security	_____	3	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**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)
(30 in the total degree program)	
CSC 300 CSC 340 CSC 410 Ethics 3_____	
CSC 310 CSC 360 CSC 420	
CSC 330 CSC 390 CSC 496 +9 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
 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.