Q.U. UNDERGRADUATE DEGREE REQUIREMENTS - BONAVENTURE AND MAJOR

B.S. COMPUTER SCIENCE   (120 HRS)   CATALOG YEAR: 2020-2021

DATE AA / AS AWARDED _____   NAME_____ ID#_____

BONAVENTURE PROGRAM

A. UNIVERSITY COURSES

	Grade	Credit (0-6 hours)	IP/Sem*
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)

	Grade	Credit	IP/Sem*
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)

	Grade	Credit	IP/Sem*
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
CSC 350/PHI329 E:Computer and Information ethics is highly rec.

D. HUMANITIES / FINE ARTS   (6 hours)

	Credit	IP/Sem*
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)

		Credit	IP/Sem*
PSY 100	_____	3	
____ ____ - _____	____	3	
HIS ___ - History_____	____	3	____

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

		Credit	IP/Sem*
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)

	Grade	Credit	IP/Sem*
MAT 252* - Discrete Math (FA)	____	3	____

*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.**

	Grade	Credit	IP/Sem*
CSC 430 - Mobile Progamming 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.

*IP/Sem = In progress. Indicate semester (e.g. FA20)