CHECKLIST FOR GRADUATION REQUIREMENTS IN COMPUTER SCIENCE - BACHELOR OF ARTS

Minimum of 132 s.h. required for graduation (36 s.h. must be 300/400-level courses)
(Additional hours to total 132 s.h. – includes second major, minor, and elective hours.)

Name________________________________________ I.D. #________________________ H.S. deficiencies: Math ____  Foreign Language ____

General Studies Requirements
(General Studies must total at least 58 s.h.)

FIRST-YEAR CORE:

GST 110   - Global Experience (4 s.h.)_____________
ENG 110   - College Writing  (4 s.h.)_____________
(C- or better required for graduation)
MTH 112 or 121 (4 s.h.) *
HED 111   - Contemp. Wellness Issues (2 s.h.)_____________

Experiential Learning Requirement (ELR): (One Unit)
[May be met by any one of the following: internship, practicum, study abroad, student teaching, or an approved field-based course. Also may be met by service, leadership, or individualized learning experience.]

Foreign Language Requirement:
Students must meet one of the following: placing beyond FL 122 on the CAPE placement test, completing a 122-level language course, completing a semester or summer in a university approved program in a non-English speaking country with language study at the 122-level or above, scoring 4 or 5 on an Advanced Placement language exam or similar exam.

STUDIES IN THE ARTS AND SCIENCES:
[Transfer students with at least 18 s.h. of transfer credit must complete 32 hours total in Studies in the Arts & Sciences, but may have as few as 7 hours in one or more of the four Studies in the Arts & Sciences areas.]

Expression ____________________________ (8 s.h.)________
[Eight hours chosen from at least two of the following: literature (in English or foreign languages), philosophy, & fine arts (art, dance, fine arts, music, music theater, and theater arts). At least one course must be literature.]

Civilization ____________________________ (8 s.h.)________
[Eight hours chosen from at least two of the following: history, foreign languages, and religion. Students taking foreign language courses to meet Elon’s proficiency requirement may only apply 4 s.h. of that coursework toward Civilization.]

Society ____________________________ (8 s.h.)________
[Eight hours chosen from at least two of the following: economics, geography, political science, psychology, and sociology.]

Science ____________________________ (8 s.h.)________
[Eight hours chosen from one or more of the following: mathematics, science, and computer science (must have the CSC department designation). At least one course must be a physical or biological laboratory science.]

ADVANCED STUDIES. (Must be outside major.)

__________________________ (8 s.h.)________
[Eight hours of 300-400 level courses outside the major field chosen from departments and areas listed under Studies in the Arts and Sciences.]

GST Interdisciplinary Seminar ______________(4 s.h.)________
[300-400 level GST course; requires junior/senior status.]

*Required in major; may count in General Studies.

Major Requirements

A minimum of 52 s.h. in the following courses is required.

___ *CSC 130 (4) – Introduction to Computer Science
___ CSC 230 (4) - Algorithm Development
___ CSC 331 (4) - Algorithm Analysis
___ CSC 335 (4) – Programming Languages
___ CSC 342 (4) - Computer Organization & Architecture
___ CSC 351 (4) - Theory of Computation
___ CSC 441 (4) - Operating Systems and Networking
___ CSC 462 (4) – Software Development/Capstone
___ MTH 206 (4)) – Discrete Structures
___ MTH 221 (4) – Calculus & Analytic Geometry II

Select one (1) course beyond core math requirements:
Probability/Statistics; if core math requirement was MTH 121, then MTH 112 – General Statistics or a probability and/or statistics course

-OR-
Quantitative Analysis, if core math requirement was MTH 112, then MTH 121 Calculus and Analytic Geometry I

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Select two (2) courses from the following:

CSC 410 (4) – Artificial Intelligence
CSC 415 (4) – Numerical Analysis
CSC 420 (4) – Game Programming and Computer Graphics

CSC 430 (4) – Advanced Programming Concepts
CSC 431 (4) – Parallel and Distributed Computation
CSC 499 (4) – Research
CSC 300-400 level elective (4)

___ Major Total (s.h.)