**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. # ___________________________

**General Studies Requirements (58-62 sh)**

**FIRST-YEAR CORE:**

GST 110 - Global Experience  (4 s.h.)
ENG 110 - Writing: Argument & Inquiry  (4 s.h.)

MTH 112 or 121 or 212  (4 s.h.)
HED 111 - Contemporary Wellness  (2 s.h.)

**Experiential Learning Requirement (ELR):** (One Unit)

May be met by any one of the following: internship, practicum, co-op, study abroad, student teaching, approved field-based course or documented service, leadership, or individualized learning experience.

**Foreign Language Requirement:**

Students must meet one of the following: (a) complete a language course numbered 122 or higher at Elon, or receive transfer or study abroad credit for the same; (b) place into a language course numbered 200 or above upon arriving at Elon, using a department of foreign languages approved placement instrument; (c) score a 4 or 5 on an AP language exam or similar exam. Each student must take the language placement test by October 1 of his or her first full year at Elon. Students are allowed two tries; the higher score is counted. That score stands and may not be repeated by later testing.

**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, art history, dance, fine arts, music, music theatre, & theatre). 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 religious studies.

**Society**  (8 s.h.)

Eight hours chosen from at least two of the following: economics, geography, human service studies, political science, psychology, & sociology/anthropology.

**Science**  (Lab: ___)  *CSC 130  (8 s.h.)

Eight hours chosen from one or more of the following: mathematics, science, and computer science (CSC 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 coursework outside the major field and chosen from areas 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) – Computer Science I

_____ CSC 230 (4) – Computer Science II

_____ CSC 330 (4) – Computer Science III

_____ CSC 331 (4) - Algorithm Analysis

_____ CSC 335 (4) – Programming Languages

_____ CSC 342 (4) - Computer Systems

_____ CSC 442 (4) – Mobile Computing

_____ CSC 462 (4) – Software Development/Capstone

_____ MTH 206 (4) – Discrete Structures

Choose one (4 s.h.) course from the following:

MTH 221 (4) – Calculus II

_____ MTH 306 (4) – Applied Matrix Theory

Choose one course (4 s.h.) beyond core math requirement:

_____ 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 I

Choose two (8 s.h.) 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) – High Performance Computing
CSC 499 (4) – Research
CSC 300-400 level elective (4)

_____ Major Total (s.h.)