

**CHECKLIST FOR GRADUATION REQUIREMENTS IN COMPUTER INFORMATION SYSTEMS
BACHELOR OF SCIENCE**

**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 or 212 (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, co-op, study abroad, student teaching, or an approved field-based course. Also may be met byservice, 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, 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 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, & sociology/anthropology.]

Science _____ (Lab: _____) _____*MTH 206 (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 60 s.h. in the following courses is required.

_____ CIS 216 (4) – Programming in a Visual Environment

_____ CIS 245 (4) – Operating Systems and Networks

_____ CIS 301 (4) – Database Management and Analysis

_____ CIS 330 (4) – Systems Analysis & Design

_____ CIS 430 (4) – Project Implementation and Management

_____ *MTH 206 (4) – Discrete Structures

_____ (4sh) Elective chosen from any 300-400 level course in CIS

-OR-

CSC 230 – Computer Science II

Choose 12 sh from **one** concentration:

Web Development

_____ CIS 310 (4) – User-Centered Web Design

_____ CIS 325 (4) – Web Development

_____ CSC 130 (4) – Computer Science I

Enterprise Networks

_____ CIS 211 (4) – Management Information Systems

_____ CIS 320 (4) – Building Collaborative Environments

_____ CIS 345 (4) – Network Design and Security

Select 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 or 212 then MTH 116 – Applied Calculus or MTH 121- Calculus and Analytic Geometry I

Information Systems Environments: 16 sh

Select any four courses from the Business Administration Minor:
(BUS 304, 311, 303, 323, FIN 303, ECO 201, ACC 201)

_____ Major Total (s.h.)