**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 ____

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**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 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.

**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.

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**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)  

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**Major Total (s.h.)**