

**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, approved field-based course or documented service, leadership, or individualized learning experience.

Foreign Language Requirement:

May be met by one of the following: scoring 4 or 5 on a language Advanced Placement test, or scoring similarly on the IB Higher Level exam; placing beyond FL 122 on the CAPE placement test; completing a 122-level language course; or completing a semester or summer in a university approved program in a non-English speaking country that includes a course in language instruction at the 122 level or above. Only 4 s.h. of language study utilized to meet the graduation requirement apply to Civilization category. Students are expected to complete this requirement by the end of their sophomore year.

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 services - HSS 111 only, 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 (*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 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
- _____ (4)- Elective chosen from any 300-400 level course in CIS
OR CSC 230 – Computer Science II

Choose 12 sh from one of the following concentrations:

Web Development

- _____ CIS 310 (4) – User-Centered Web Design
- _____ CIS 325 (4) – Web Development
- _____ CSC 130 (4) – Computer Science I

Enterprise Systems

- _____ 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 111, ACC 201)

_____ Major Total (s.h.)