COLLEGE OF ARTS & SCIENCES
2022-23 COMPUTER SCIENCE - INFORMATION SYSTEMS DEGREE PLAN

FIRST YEAR - FRESHMAN

Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs
		Fall Semester (2022)				**Spring Semester (2023)**	
CIS	171	Computer Programming I	3	CIS	172	Computer Programming II[3]	3
ENG	101	English Composition I[1]	3	ENG	102	English Composition II[1]	3
MAT	120	Precalculus[3]	4	MAT	122	Analytics & Calculus I[3]	4
COM	140	Speech Communication[1]	3	CIS	211	Intro to Web Design	3
BIB	121	Life of Christ[1]	2	BIB	122	Acts of the Apostles[1]	2
			15				**15**

SECOND YEAR - SOPHOMORE

Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs
		Fall Semester (2023)				**Spring Semester (2024)**	
CIS	273	Data Structures[3]	3	CIS	374	Algorithms[3]	3
CIS	277	Intro to Data Analytics[3]	3	CYB	201	Intro to Linux	3
MAT	235	Introductory Statistics	3	CIS	345	Computer Networks[3]	3
		History[1]	3			Creative Works[1]	3
BIB		Bible	2	BIB		Bible	3
			14				**15**

THIRD YEAR - JUNIOR

Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs
		Fall Semester (2024)				**Spring Semester (2025)**	
CIS	455	Cloud Architecture	3	CIS	460	Operating Systems[3]	3
CIS	324	Database Systems[3]	3			Elective	3
CIS	441	System Admin & Security	3			Behavioral Science[1]	3
CIS	311	Advanced Web Design	3	MAT	240	Discrete Mathematics[3]	3
CIS	497	Internship	3			Elective	3
BIB		Bible	3	BIB		Bible	3
			18				**18**

FOURTH YEAR - SENIOR

Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs
		Fall Semester (2025)				**Spring Semester (2026)**	
CIS	368	Agile Development	3	CIS	491	Advanced Topics in CS[3]	3
CIS	367	Web Development	3	CIS	467	DevOps	3
CIS	388	Mobile Application Development	3			Elective	3
CIS		Uppper division CIS Elective	3			Elective	3
BIB	346	Foundations of Faith[1]	3	BIB	495	Values in Human Thought & Action[1]	3
			15				**15**

(Superscripts if needed)

[1]Liberal Arts Core Requirement

[2]Liberal Arts Core Requirement in *Undergraduate Catalog*

[3]Course has prerequisite. See corresponding *Undergraduate Catalog*

ADDITIONAL ITEMS RELATED TO THE MAJOR

The Quantitative Reasoning liberal arts core requirement must be satisfied by MAT 122, Calculus I.

Due to a deep presrequisite structure, it's is essential that CIS 171, Computer Programming I, be taken the first fall semester of study in order to graduate in 8 semesters.

The following guidelines are important. Failure to follow these guidelines may delay graduation.

1. Plan schedules carefully. Plan to fulfill prerequisites for future courses.
2. Do not alter the sequence of courses without consulting with your academic adviser as not all classes are offered every semester.
3. Before the enrollment period, check to make sure holds will not prevent you from registration.
4. Register for classes early during the registration period to secure classes.

The Four-Year Degree Plan is a suggested plan of study. This plan does not replace the *Undergraduate Catalog.* The *Undergraduate Catalog* provides the official listing of program requirements.