COLLEGE OF ARTS & SCIENCES

2022-23 COMPUTER SCIENCE - ARTIFICIAL INTELLIGENCE DEGREE PLAN

FIRST YEAR - FRESHMAN							
Fall Semester (2022)				**Spring Semester (2023)**			
Dept	**Crse#**	**Course Name**	**Hrs**	**Dept**	**Crse#**	**Course Name**	**Hrs**
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							
Fall Semester (2023)				**Spring Semester (2024)**			
Dept	**Crse#**	**Course Name**	**Hrs**	**Dept**	**Crse#**	**Course Name**	**Hrs**
CIS	273	Data Structures[3]	3	CIS	374	Algorithms[3]	3
CIS	277	Intro to Data Analytics	3	CIS	345	Computer Networks[3]	3
MAT	223	Analytics & Calculus II[3]	4			Behavioral Science[1]	3
		History[1]	3	MAT	240	Discrete Mathematics[3]	3
BIB		Bible	2	BIB		Bible	3
			15				**15**
THIRD YEAR - JUNIOR							
Fall Semester (2024)				**Spring Semester (2025)**			
Dept	**Crse#**	**Course Name**	**Hrs**	**Dept**	**Crse#**	**Course Name**	**Hrs**
CIS	455	Cloud Architecture	3	CIS	460	Operating Systems[3]	3
CIS	324	Database Systems[3]	3	MAT	330	Linear Algebra	3
MAT	235	Introductory Statistics	3	CIS	424	Advanced Database[3]	3
		Elective	3	CIS	479	AI for Robotics	3
CIS	377	Artificial Intelligence[3]	3			Elective	3
BIB		Bible	3	BIB		Bible	3
			18				**18**
FOURTH YEAR - SENIOR							
Fall Semester (2025)				**Spring Semester (2026)**			
Dept	**Crse#**	**Course Name**	**Hrs**	**Dept**	**Crse#**	**Course Name**	**Hrs**
CIS	368	Agile Development	3	CIS	491	Advanced Topics in CS[3]	3
CIS	477	Machine Learning	3	CIS	478	Computer Vision	3
		Elective	3	MAT	330	Linear Algebra	3
		Elective	3			Creative Works[1]	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.