

COLLEGE OF ARTS & SCIENCES

2023-2024 COMPUTER SCIENCE - ARTIFICIAL INTELLIGENCE DEGREE PLAN

FIRST YEAR - FRESHMAN							
Fall Semester (2023)				Spring Semester (2024)			
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 (2024)				Spring Semester (2025)			
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 (2025)				Spring Semester (2026)			
Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs
CIS	368	Agile Development	3	CIS	478	Computer Vision	3
CIS	477	Machine Learning	3	CIS		300-400 Level Elective	3
CIS	324	Database Systems ³	3			Elective	3
MAT	235	Introductory Statistics	3			Elective	3
		Elective	3			Elective	3
BIB		Bible	3	BIB		Bible	3
			18				18
FOURTH YEAR - SENIOR							
Fall Semester (2026)				Spring Semester (2027)			
Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs
CIS	455	Cloud Architecture	3	CIS	491	Advanced Topics in CS ³	3
CIS	377	Artificial Intelligence ³	3	CIS	479	AI for Robotics	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}	3
			15				15

(Superscripts if needed)

¹Liberal Arts Core Requirement

²Liberal Arts Core Requirement in *Undergraduate Catalog*

³Course 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 prerequisite structure, it's 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.

2023-2024 Undergraduate Liberal Arts Core Requirements

I. Biblical Values	III. Broadened Perspectives
A. Bible	A. Behavioral Sciences
BIB 121 & 122 & 346 OR 446 7	BIB/FAM 230 OR PSY 210 OR SOC 241 OR SOC 251 3
II. Basic Skills	B. Natural Sciences
A. Written Communication	BIO 100 OR BIO 105 OR BIO 110 OR BIO 111 3
ENG 101 AND ENG 102 6	OR BIO 112 OR BIO 211 OR CHE 121 & CHE 121L OR PHS 111 OR PHS 112 OR PHS 201 OR PHS 211
B. Oral Communication	C. Arts and Humanities
COM 140 3	HISTORY: HIS 111 OR HIS 112 OR HIS 221 OR HIS 222 OR HUM 399A OR POL 251 3
C. Quantitative Reasoning	<i>CRITICAL AND CREATIVE WORKS:</i> ART 110 OR ART 201 OR ART 234 OR ENG 215 OR ENG 225 OR ENG 235 OR ENG 299A/399A OR MUS 110 OR MUS 214 OR PHI 243 OR PHI 245 OR PHI246 OR THE 160 OR THE 265 OR THE 299A/399A 3
<i>Complete course names and descriptions for the Liberal Arts Core Requirements are located in the Undergraduate Catalog.</i>	<i>HUMANITIES CAPSTONE:</i> BIB/HUM 495 3
	Total 34