

COLLEGE OF ARTS & SCIENCES
2026-2027 COMPUTER SCIENCE: SOFTWARE DEVELOPMENT
B.S. DEGREE PLAN

FIRST YEAR - FRESHMAN							
Fall Semester				Spring Semester			
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 Apostles ¹	2
			15				15
SECOND YEAR - SOPHOMORE							
Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
CIS	273	Data Structures ³	3	CIS	374	Algorithms ³	3
PHS	211	Physics for Science & Engineering I	3	PHS	212	Physics for Science & Engineering II	3
MAT	223	Analytics & Calculus II ³	4			Elective	3
CIS	277	Into to Data Analytics ³	3	MAT	235	Introductory Statistics	3
BIB		Bible	2	BIB		Bible	3
			15				15
THIRD YEAR - JUNIOR							
Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
CIS	455	Cloud Architecture ³	3	CIS	460	Operating Systems ³	3
CIS	386	Architecture & Assembly Language ³	3	CIS	345	Computer Networks ³	3
CIS	324	Database Systems ³	3			Behavioral Science ¹	3
		Elective	3	MAT	240	Discrete Mathematics ³	3
		Elective	3	HIS		History ¹	3
BIB		Bible	3	BIB		Bible	3
			18				18
FOURTH YEAR - SENIOR							
Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
CIS	368	Agile Development ³	3	CIS	491	Advanced Topics in CS ³	3
CIS	367	Web Development ³	3	CIS	467	DevOps ³	3
		Elective	3			Elective	3
CIS		Upper Division CIS Elective	3			Creative Works ¹	3
BIB	346	Foundations of Faith ¹	3	BIB	495	Values in Human Tht. & Action ^{1,3}	3
			15				15

¹Liberal Arts Core Requirement

²Liberal Arts Core Requirements in *Undergraduate Catalog*

³Course has prerequisite. See corresponding *Undergraduate Catalog*

Total **126**

ADDITIONAL ITEMS RELATED TO THE MAJOR

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

The Natural Sciences liberal arts core requirement must be satisfied by PHY 211, Physics for Science and Engineering I.

Due to a deep prerequisite structure, it 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 registering.
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.

2026-2027 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 SWK 251 3
II. Basic Skills	B. Natural Sciences
A. Written Communication	BIO 100 OR BIO 105 OR BIO 110 OR BIO 111 OR BIO 112 OR BIO 211 OR CHE 121 OR PHS 111 OR PHS 112 OR PHS 201 OR PHS 211 3
ENG 101 AND ENG 102 6	C. Arts and Humanities
B. Oral Communication	<i>HISTORY:</i> HIS 111 OR HIS 112 OR HIS 221 OR HIS 222 OR HUM 399A OR POL 3
COM 140 3	<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 PHI 246 OR THE 160 OR THE 265 OR THE 299A/399A 3
C. Quantitative Reasoning	<i>HUMANITIES CAPSTONE:</i> BIB/HUM 495 3
MAT 100 OR MAT 101 OR MAT 120 OR MAT 122 OR MAT235 3	
<i>Complete course names and descriptions for the Liberal Arts Core Requirements are located in the Undergraduate Catalog.</i>	

Total 34