

COLLEGE OF ARTS & SCIENCES

2020-21 COMPUTER SCIENCE - INFORMATION SYSTEMS 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}	3
MAT	120	Precalculus ³	4	MAT	122	Analytics & Calculus I ^{2,3}	4
CIS	211	Intro to Web Design	3	CYB	201	Intro to Linux	3
BIB	121	Life of Christ ¹	2	BIB	122	Acts of the 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
CIS	267	Application Development I ³	3	CIS	367	Application Development II ³	3
COM	140	Speech Communication ¹	3	MAT	240	Discrete Mathematics ³	3
		Behavioral Science ¹	3			Creative Works ¹	3
		Elective	2			Elective	2
BIB		Bible	2	BIB		Bible	2
			16				16
THIRD YEAR - JUNIOR							
Fall Semester				Spring Semester			
Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs
CYB	220	Windows Security	3	CIS	345	Computer Networks ³	3
CIS	474	Artificial Intelligence ³	3	CIS	460	Operating Systems ³	3
		Natural Science ¹	3	CIS	322	Human-Computer Interaction	3
HIS		History ¹	3	MAT	235	Introductory Statistics	3
CIS	441	System Admin. & Security ³	3			Elective	2
BIB		Bible	2	BIB		Bible	3
			17				17
FOURTH YEAR - SENIOR							
Fall Semester				Spring Semester			
Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs
CIS	388	Mobile Application Dev ³	3			Elective	3
CIS	497	Internship	3	CIS	491	Advanced Topics in CS ³	3
		CIS/CYB Elective (300-400)	3	CIS	311	Advanced Web Design ³	3
CIS	324	Database Systems ³	3			Elective	3
BIB	346	Foundations of Faith ¹	3	BIB	495	Values in Human Thought & Action ¹	3
			15				15

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 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.

2020-21 Undergraduate Liberal Arts Core Requirements

<p>I. Biblical Values BIB 121 AND 122 AND 346 OR 446 7</p> <p>II. Basic Skills</p> <p>A. Written Communication ENG 101 AND ENG 102 6</p> <p>B. Oral Communication COM 14(Speech Communication 3</p> <p>C. Quantitative Reasoning MAT 100 OR MAT 101 OR 3 or 4 MAT 120 OR MAT 122 OR MAT 235</p> <p>III. Broadened Perspectives</p> <p>A. Behavioral Sciences BIB/FAM 230 OR PSY 210 OR 3 SOC 241 OR SWK 251</p>	<p>B. Natural Sciences BIO 100 OR BIO 105 OR BIO 110 OR 3 or 4 BIO 111 OR BIO 112 OR BIO 211 OR CHE 121 w/CHE121L OR PHS 111 OR PHS 112 OR PHS 201 OR PHS 211</p> <p>C. Arts and Humanities</p> <p>1. History 3 HIS 111 OR HIS 112 OR HIS 221 OR HIS 222 OR HUM399A OR POL 251</p> <p>2. Creative Works 3 ART 110 OR ART 201 OR ART 234 OR ENG 225 OR ENG 226 OR ENG 235 OR ENG 236 OR ENG 245 OR ENG 246 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</p> <p>3. Humanities Capstone 3 BIB/HUM 495</p>
<p>Complete course names and descriptions for the liberal arts core requirements are located in the <i>Undergraduate Catalog</i>.</p>	