

2024-2025

**B.A. or B.S. COMPUTER SCIENCE****GRACE CORE (39 credits)**

Students will integrate faith and learning across disciplines, demonstrate foundational knowledge and ways of knowing, cultivate characteristics of maturity in relationships with God, others, self, and the world, and apply knowledge to all aspects of life through intellectual and practical skills.

**1000-Level Courses****First-Year Learning Communities**

FYE 1000	First-Year Foundations	3
BIB 1050	Exploring the Bible	3
PSY 1200	Essentials of Behavioral Science	3
HIS 1050	Current Issues in Historical Context	3

**First-Year Learning Competencies**

ENG 1100	Effective Writing	3
COM 1100	Public Speaking	3

**2000-Level Courses**

HUM 2100	Creative Arts & Culture	3
HUM 2000	Global Perspectives	3
SCI 2030	Faith, Science, & Reason	3
HUM 2010-30	Cross-Cultural Field Experience	0
BIB 2010	Scripture and Interpretation	3

**3000-Level Courses**

ECN 3000	Consumer Economics	3
PHI 3010	Christianity and Critical Thinking	3
BIB 3300	Essential Doctrinal Themes	3

**ADDITIONAL GENERAL EDUCATION--B.A. or B.S. DEGREE (6 credits)****Satisfies B.S. Degree**

Any course with prefix BIO, PHY, CHM, ENV, EXS, SCI	3
Any course with prefix: PSY, SOC, BHS, BUS, HIS, POS, GEO	3

**Satisfies B.A. Degree**

FRE/SPA	Proficiency in Language & Culture	6
GRE/HEB	French, Spanish, Greek, Hebrew	

**THE MAJOR (67 credits)****Math Courses (19 hours)**

MAT 1230	Calculus I	4
MAT 1240	Calculus I Lab	0
@ MAT 1250	Calculus II	3
@ MAT 2250	Calculus III	3
@ MAT 2200	Discrete Mathematics	3
@ MAT 3130	Linear Algebra	3
MAT 3200	Probability & Statistics	3

**Choose a Concentration (12 hours)****Concentration 1: Business**

BUS 1010	Foundations of Business	3
@ ACC 2110	Financial Accounting	3
@ MGT 2430	Principles of Management	3
@ ISM 4800	ISM Senior Seminar	3

**Concentration 2: Data Analytics**

@ MAT 4200	Probability Theory	3
@ MAT 4320	Mathematical Statistics	3
@ MAT 4830	Research in Mathematics	3
@ MAT 4020	Math Senior Seminar	3

**Concentration 3: Application Development**

+	3 Electives from LCMC	9
@ ISM 4800	ISM Senior Seminar	3

**Concentration 4: Cybersecurity**

† CSC 1070	Introduction to Cybersecurity	3
@† CSC 2020	Cybercrime & Governance	3
† CSC 2230	Modern Cybersecurity	3
† CSC 3200	Network and System Security	3

**Grace/LCMC**

ISM 1150	
ISM 2700	
@ ISM 2150	
@ ISM 3800	
@ ISM 4110	
@ ISM 4200	
@ ISM 4930	

**Computing Core (21 hours)**

Introduction to Computer Science	3
HTML and Web Development	3
Object Oriented Programming	3
Database Programming	3
Client-Side Programming	3
Application Development Lab	3
Internship	3

**Grace/LCMC**

@+ CSC 3030/CSM I	
@+ CSC 3100/CSM II	
@+ CSC 3150/CSM III	
@+ CSC 4100/CSM IV	
† CSC 3230/CSM V	

**Computer Science (15 hours)**

Introduction to C	3
Inside of a Microprocessor	3
Data Structures	3
Algorithms	3
Product Development	3

**Grace/LCMC**

† CSC 1050/CSC I	
† CSC 2130/CSC II	
@† CSC 3250/CSC V	
@† CSC 3350/CSC VI	

**Available LCMC Elective Courses**

Internet History, Tech, and Security	3
Web Development	3
Application Development I	3
Application Development II	3

**GRADUATION REQUIREMENTS**

To receive a degree, each student must satisfy checklist requirements, earn 120 credit hours, have a 2.2 GPA in major courses, a 2.0 GPA in minor courses, and a GPA of 2.0 overall. It is the student's responsibility to work with his/her advisor and monitor progress toward these goals. Some majors and/or minors may have more stringent guidelines.

**IS A MINOR REQUIRED FOR THIS MAJOR: NO**

CHECKSHEET TOTAL CREDITS: 112

TOTAL CREDITS NEEDED TO GRADUATE: 120

† Indicates a course taught by a partner college/university.

@ Indicates a course with prerequisites. Please review catalog for prereqs.