



Bachelor of Science in: Computer Science

For students on the following catalogs:

2019-2020 2023-2024

2020-2021 2024-2025

2021-2022 2025-2026

2022-2023

COLLEGE OF INFORMATICS

COMPUTATION ■ INFORMATION ■ COMMUNICATION

Name:

Student ID:

Catalog Year:

CALCULUS SUPPORT COURSES (9 Hours)

(choose one calculus sequence)

Course		Pre-req	Credits	Term	Grade
MAT 128	Calculus A	MAT 119 (\geq B-)	3		
MAT 227	Calculus B	MAT 128	3		
MAT 228	Calculus C	MAT 227	3		

OR

MAT 129	Calculus I	MAT 119 (\geq B-)	4		
MAT 229	Calculus II	MAT 129 or MAT 227	5		

Notes

Successful MAT
129 CLEP

ADDITIONAL MATH SUPPORT COURSES (6 Hours)

STA 250	Probability and Statistics I	MAT 129 or co-req MAT 227	3		
MAT 385	Discrete Mathematics	MAT 228 or MAT 229	3		

INFORMATICS CORE COURSES (10 Hours)

Course		Pre-req	Credits	Term	Grade
INF 100	Orientation to College of Informatics	Freshman Standing or Department Approval	1		
INF 120	Elementary Programming	MAT 102 or MAT 114 or placement	3		
INF 284*	Introduction to Computer Networks	MAT 102 & one of INF 110, INF 120 or CIT 130	3		
OR					
CIT 247*	Networking Fundamentals	CIT 130, CIT 171 & INF 284	3		
INF 286	Introduction to Web Development	MAT 103 & one of INF 110, INF 120 or CSC 260 (pre-req or co-req)	3		

Notes

Successful INF
120 CPLE

Successful CIT
247 Competency
Exam

Successful INF
286 CPLE

COMPUTER SCIENCE CORE COURSES (30 Hours)

Course		Pre-req	Credits	Term	Grade
CSC 260	Object-Oriented Programming I	MAT 103 & one of INF 110, INF 120, CSC 270 or placement	3		
CSC 360	Object-Oriented Programming II	CSC 260 & MAT 119	3		
CSC 350	Database Programming	CSC 360	3		
CSC 362	Computer Systems	CSC 360	3		

Notes

Successful CSC
260 CPLE

Successful CSC
360 CPLE

CSC 364	Data Structures and Algorithms	CSC 360	3		
CSC 402	Advanced Programming Methods	CSC 362 & CSC 364	3		
CSC 439	Software Testing & Maintenance	CSC 364 & Senior Standing	3		
CSC 440	Software Engineering	CSC 402 & CSC 439 & Senior Standing	3		
CSC 460	Operating Systems	CSC 362 & CSC 364	3		
CSC 485	Theory of Computation	MAT 385	3		
CSC 491	Comprehensive Examination	Senior Standing	0		

CSC MAJOR ELECTIVES (9 Hours)					
<i>No more than 6 hours of CSC 392, CSC 399, CSC 492, or CSC 499 may count toward this requirement. CIT 381 and INF 311 may count for a 300-level course. MAT 360 may count for either a 300 or 400-level course.</i>					
CSC 3xx-4xx			3		
CSC 4xx			3		
CSC 4xx			3		

Notes

* Students with the current certification** (at the time of registering the class(es)) can have course credits based on the following course mappings:

- CompTIA Network+ → INF 284: Introduction to Computer Networks
- Cisco Certified Entry Networking→CIT 247: Networking Fundamentals

Students need to have a copy of their certification stored in their student file to obtain the above course credits.

Students must earn a grade of "C-" or better and a 2.00 GPA in all courses that apply to the major. Please consult with your advisor and the appropriate University Course Catalog for all other degree requirements.