



Department of Computer Science and  
Information Technology College of Science, Technology,  
Engineering, and Math (2026-27)

**Suggested Curriculum Guide for BS Computer Science, General Concentration**

**Freshman (1<sup>st</sup> Semester) 16 hrs**

GSD 101  
CSC 185- Intro to Computer Concepts  
CSC 190- Object- Oriented Programming I  
<sup>G</sup> \*MAT 234 (fulfills Gen. Ed. 2)- Calculus I  
Gen. Ed. 1A (ENG 101)

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CSC 191- Object-Oriented Programming II  
CSC 195- Intro to Discrete Structures  
MAT 244- Calculus II  
Gen. Ed. 1B (ENG 102)  
Gen. Ed. Course

**Sophomore (1<sup>st</sup> Semester) 15-16 hrs**

CSC 310- Data Structures  
CSC 311- Algorithms I  
MAT 239- Linear Algebra & Matrices  
CSC 313- Database Systems  
† <sup>G</sup> Physical Science restricted elective (fulfills Gen. Ed. 4)

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CSC 320- Introduction to Algorithms I  
CSC 340- Ethics & Software Engineering  
EET 252- Digital Electronics  
Gen. Ed. Course  
Free Elective

**Junior (1<sup>st</sup> Semester) 17-18 hrs**

CSC 440- Applied Software Engineering  
CSC 308- Mobile App Dev for iOS  
STA 270- Applied Statistics  
§ <sup>G</sup> Physical Science restricted elective (fulfills Gen. Ed. 4)  
CSC 338- Fundamentals of Cybersecurity

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CSC 360- Computer Org and Architecture  
‡ CSC (restricted) Elective  
Gen. Ed. Course  
Gen. Ed. Course  
Free Elective  
Free Elective

**Senior (1<sup>st</sup> Semester) 16 hrs**

CSC 400- Operating Systems  
CSC 494, 495, or 496- Innovative Prob Solving, Ind Work, or Senior Seminar  
CSC 541- Software Testing  
Gen. Ed. Course  
Elective (upper division)  
Free Elective (upper division)

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CSC 460- Computer Network & System Administration  
CSC 499- Computer Science Career Preparation  
CSC 545- Theory of Database Systems  
Free Elective (upper division)  
Free Elective (upper division)

<sup>G</sup> Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.

**UNIVERSITY GRADUATION REQUIREMENTS**

**Total hours University Graduation Requirements..... 33 hours**

**MAJOR REQUIREMENTS**

**Core Courses..... 28 hours**

CSC 185, CSC 190, CSC 191, CSC 195, CSC 308, CSC 310, CSC 313, CSC 338, CSC 340, CSC 499

**Concentration Requirements..... 25 hours**

CSC 311, CSC 320, CSC 360, CSC 400, CSC 440, CSC 460, CSC 541, CSC 545

PLUS ONE (1) HOUR selected from:

CSC 494, CSC 495, CSC 496

**Supporting Course Requirements..... ..16-18 hours**

EET 252, <sup>G</sup> \* MAT 234, \*MAT 239, \*MAT 244, \*STA 270

Choose TWO courses with different prefixes from the following (physical science restricted elective):<sup>G</sup> BIO 111, <sup>G</sup> BIO 112, <sup>G</sup> CHE 111 and CHE 111L, <sup>G</sup> GLY 108, <sup>G</sup> GLY 109, <sup>G</sup> PHY 201

**Free Electives.....16-18 hours**

**Total Curriculum Requirements..... 120 hours**