

# COMPUTER SCIENCE (BS)

## Courses by Quarter

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Code	Title	Credits
<b>Quarter 1</b>		
CS 310	Database Systems	5
CS 320	Cybersecurity with Networking	5
CS 330	Discrete Math for Computer Science	5
<b>Quarter 2</b>		
CS 340	Mobile Application Development	5
CS 350	Cloud Computing	5
CS 360	Algorithms and Data Structures	5
<b>Quarter 3</b>		
CS 370	Web Programming	5
CS 380	Computer Architecture	5
300 or 400 level Gen Ed		
Recommended:		
PHIL 350	Ethics in Business Management	5
<b>Quarter 4</b>		
CS 410	Software Engineering	5
CS 420	Operating Systems	5
300 or 400 level Gen Ed		
Recommended:		
ENVS 301	Business and Sustainability Principles and Practice	5
<b>Quarter 5</b>		
CS 440	System Administration	5
CS 490	Senior Project I	5
300 or 400 level Gen Ed		
Recommended:		
MATH 205	Linear Algebra (MATH 305?)	5.0
<b>Quarter 6</b>		
CS 450	Machine Learning	5
CS 491	Senior Project II	5
300 or 400 level Gen Ed		
Recommended:		
SOC 350	Organizational Theory	5

NOTE1: Winter start students should plan to complete their Quarter 3 courses in Summer Quarter.

NOTE2: 300- or 400-level alternative (5cr) at GHC is an acceptable substitute for PHIL 350 at SPSCC.

NOTE3: BASM 307 (5cr) Quantitative Design, Data, and Analysis at GHC is an acceptable substitute for ENVS 301 at SPSCC.

NOTE4: The mathematics course for Linear Algebra at GHC is an acceptable substitute for MATH 305 Linear Algebra at SPSCC.

NOTE5: BASM 309 (5cr) Project Management at GHC is an acceptable substitute for SOC 350 at SPSCC.

NOTE6: There are a very limited number of 300- and 400-level general education courses offered at GHC and SPSCC. 300- or 400-level General Education courses may transfer in from other institutions in place of PHIL 350, ENVS 301, and/or SOC 350. However, only another Linear Algebra class can substitute for Math 305 Linear Algebra.