

Computer Science (BCOS) Tracking Sheet Catalog Year 2016-2017

Note: Please consult the latest version of this document before scheduling electives, as offerings (and semester availability) may change without notice

BCOS Requirements

	Fall	Spring	Summer
COMP1000 Computer Science I	•	•	
MATH2300 Discrete Math	•	•	•
MATH1750 Engineering Calculus I	•	•	
COMP1050 Computer Science II	•	•	
MATH1850 Engineering Calculus II	•	•	•
COMP1200 Computer Organization	•	•	
COMP2000 Data Structures	•	•	
COMP2100 Network Programming	•	•	
MATH2860 Linear Algebra & Matrix Theory	•	•	
COMP2350 Algorithms	•	•	
COMP2650 Databases	•	•	
MATH2100 Probability and Statistics		•	•
COMP3400 Operating Systems	•		
COMP3350 Programming Languages			•
COMP3450 Parallel & Distributed Comp			•
COMP4960 Software Engineering		•	
COMP5500 Senior Project			•

Example Advanced CS Electives*

Artificial Intelligence
Assembly Language
Bioinformatics
Biostatistics
Compilers
Cryptography
Systems Programming
Theory of Computation

Example COMP Electives

Advanced Databases
Enterprise Networking
Human-Computer Interaction
Mobile App Development
Project Management
Routing and Switching
System Administration
Systems Analysis
Web Development
Wireless Networks

Elective Notes

*All advanced CS electives have Algorithms & Data Structures as prerequisites
 Students with ≥ 3.0 GPA & department approval may take an independent study
 Students with senior status may enroll in seminars in spring and summer

Prerequisite Flowchart

Bold course outlines below indicate prerequisites for electives

