

Spring Hill College Computer Science: Computational Science Checklist

Consult advisor regarding course selection and proper sequencing

Lower Division Core Requirements		
	MTH121 Calculus I	4
	MTH122 Calculus II	4
	MTH223 Calculus III	4
	MTH221 Linear Algebra	3
	PHY221 & PHY213 Physics with Calculus I w/ Lab	4
	PHY222 & PHY214 Physics with Calculus II w/ Lab	4
	Laboratory Science I:	4
	CSC100 Computer Science 0: Foundations	4
	CSC101 Computer Science 1: Principles	4
	CSC202 Computer Science 2: Data Structures	4
	CSC203 Computer Science 3: Algorithms	4
	CSC210 Computer Architecture	4

Upper Division Core Requirements		
	CSC311 Operating Systems: Design and Implementation	4
	MTH322 Discrete Mathematics	3
	MTH301 Introduction to Abstract Mathematics	3
	MTH365 Probability and Statistics	3
	OR MTH470 Mathematical Modeling	3
	CSC320 Automata	3
	OR CSC321 Programming Languages Theory	3
	CSC330 Junior Software Engineering Seminar	2
	CSC422 Parallel Computing	3
	CSC431 Senior Software Architecture Seminar	1

Additional requirements

- A grade of C- or better must be earned in all major requirements
- Bachelor of Science CORE Curriculum
- All concentrations are required to complete CSC330, in which oral competency in computer science will be demonstrated.