Major in Computer Science
Four-Year Academic Plan

Year	Course Number	FALL	Credit Hours	Earned
1		*Integrative Core - First-Year Seminar*	4	
		Foreign Language (if needed) or Elective	4	
	MTH 123	Elementary Statistics[2]	4	
	CSC 120	Programming and Problem Solving I[1]	4	
		Total	16	

Course Number	SPRING	Credit Hours	Earned
	Integrative Core - Foundation	4	
	Integrative Core - Foundation	4	
MTH 125	Elementary Discrete Mathematics[2]	4	
CSC 220	Programming and Problem Solving II[1]	4	
	Total	16	

Year	Course Number	FALL	Credit Hours	Earned
2		*Integrative Core - Foundation*	4	
		Declared Minor Elective	4	
	MTH 141	Calculus I[2]	4	
	CSC 270	Computer Organization[1]	4	
		Total	16	

Course Number	SPRING	Credit Hours	Earned
	Integrative Core - Foundation	4	
	Declared Minor Elective	4	
	Elective	4	
CSC 310 or CSC 320	Database Theory and Applications*[1] or Algorithms and Data Structures*[1]	4	
	Total	16	

Year	Course Number	FALL	Credit Hours	Earned
3		*Integrative Core - Exploration*	4	
		Declared Minor Elective	4	
	CSC 3XX or CSC 4XX	One additional CSC course 300 or higher[1]	4	
	CSC 360 or CSC 370	Computer Networks*[1] or Operating Systems*[1]	4	
		Total	16	

Course Number	SPRING	Credit Hours	Earned
	Integrative Core - Exploration	4	
	Declared Minor Elective	4	
CSC 310 or CSC 320	Database Theory and Applications*[1] or Algorithms and Data Structures*[1]	4	
CSC 420 or CSC 450	Principles of Programming Languages*[1] or Theory of Computation*[1]	4	
	Total	16	

Year	Course Number	FALL	Credit Hours	Earned
4		*Integrative Core - Capstone*	4	
		Elective	4	
	CSC 3XX or CSC 4XX	One additional CSC course 300 or higher[1]	4	
	CSC 360 or CSC 370	Computer Networks*[1] or Operating Systems*[1]	4	
	CSC 491	Software Engineering Fundamentals[1]	2	
		Total	18	

Course Number	SPRING	Credit Hours	Earned
	Declared Minor Elective	4	
	Elective	4	
CSC 420 or CSC 450	Principles of Programming Languages*[1] or Theory of Computation*[1]	4	
CSC 492	The Practice of Software Engineering[1]	2	
	Total	14	
	Total Credit Hours	128	

[1]Required Departmental Courses

CSC 120	Programming and Problem Solving I	4
CSC 220	Programming and Problem Solving II	4
CSC 270	Computer Organization	4
CSC 310*	Database Theory and Applications	4
CSC 320*	Algorithms and Data Structures	4
CSC 360*	Computer Networks	4
CSC 370*	Operating Systems	4
CSC 420*	Principles of Programming Languages	4
CSC 450*	Theory of Computation	4
CSC 491	Software Engineering Fundamentals	2
CSC 492	The Practice of Software Engineering	2

Two additional four-credit CSC courses at the 300-level or higher.

[2]Required Extra-Departmental Courses

MTH 123	Elementary Statistics	4
MTH 125	Elementary Discrete Mathematics	4
MTH 141	Calculus I	4

Requirements for a Minor in Computer Science		
CSC 120	Programming and Problem Solving I	4
CSC 220	Programming and Problem Solving II	4
CSC 270	Computer Organization	4
CSC 320 or CSC 370	Algorithms and Data Structures or Operating Systems	4
	Total Credit Hours	16

Courses listed in *italics* are required for the Integrative Core program.
This document is a template for degree tracking purposes.
For specific information on courses, prerequisites, University regulations or Departmental policies, consult the University Catalogue.

* Each of these courses is only offered once every two years, and should be scheduled in the semesters recommended above.