Navigating the Computer Science Major

One of... mi

- 101 Computing Age
- 150 Comp. for Sci.
- 190 Models and Sim

→ OR

All of...

- 200 mi Math Foundations
- 201 mi Data Structures
- 301 Theory of Comp
- 302 i Algorithms
- 202 mi Comp Arch
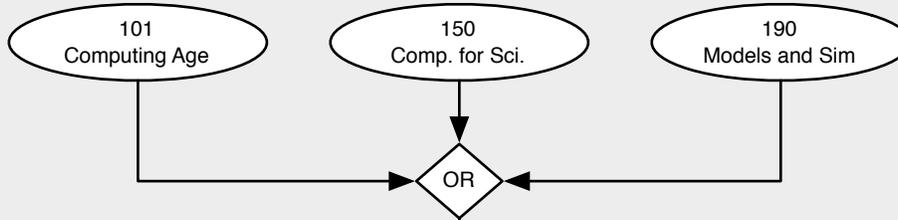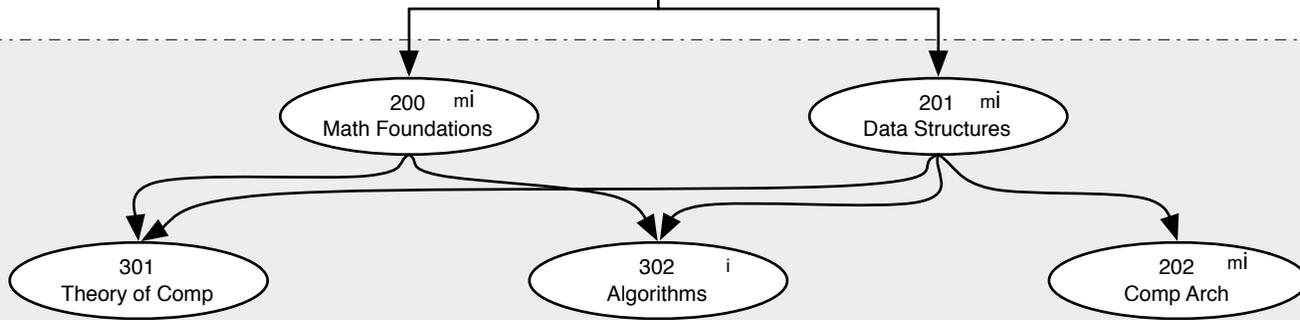
Electives

Major
Four more electives 300+ MATH 200 or MATH 228 can be substituted for one of these

Interdisciplinary track
Five electives 300+, 2-3 may come from other departments. Requires proposal.

Minor
Two electives 300+

Course	Requirements			
	200	**201**	**202**	**Other**
CSCI 0311 Artificial Intelligence	X	X		
CSCI 0312 Software Development	X	X		
CSCI 0313 Programming Languages	X		X	
CSCI 0314 Operating Systems	X		X	
CSCI 0390 Spatial Agent Based Modeling		X		CSCI 0190 or CSCI 0201
CSCI 0413 Functional Programming	X	X		
CSCI 0431 Computer Networks	X		X	
CSCI 0433 Compiler Design			X	CSCI 0301
CSCI 0441 Advanced Algorithms				CSCI 0302
CSCI 0451 Machine Learning	X	X		
CSCI 0453 Computer Vision			X	MATH 200
CSCI 0458 Information Retrieval		X		
CSCI 0461 Computer Graphics			X	MATH 200
CSCI 0463 Cryptography				CSCI 0301 or CSCI 0302
CSCI 0465 Information Visualization		X		
CSCI 1005 Crash Course/ Systems Security			X	approval required

Senior Seminar
[702 is optional]

- 701 Senior Seminar → 702 Senior Thesis

Key

pre-requisite	→
minor	m
interdisciplinary track	i