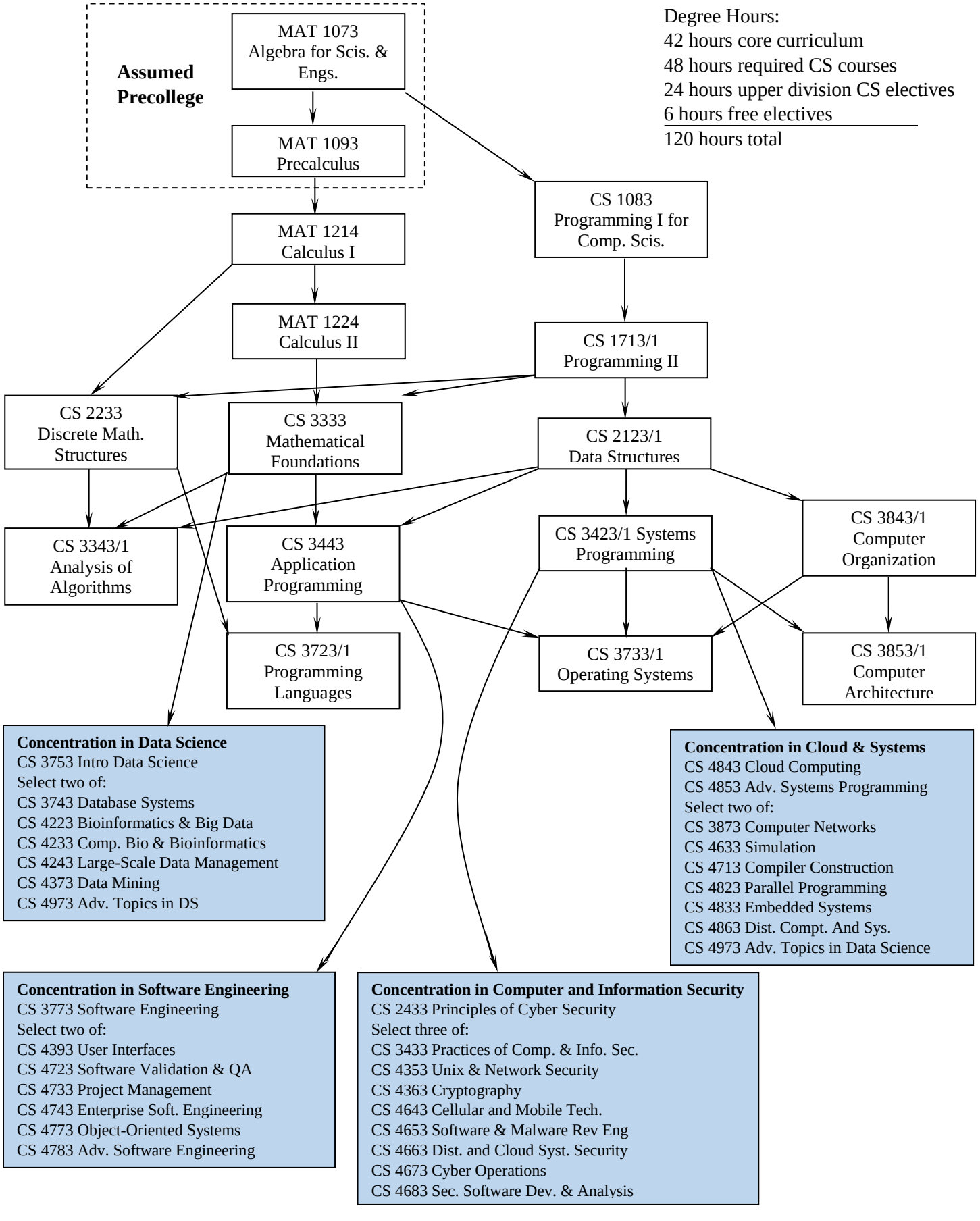
Sequence of CS Core Courses and Concentrations (UTSA 2017 Catalog)



Degree Hours:
42 hours core curriculum
48 hours required CS courses
24 hours upper division CS electives
6 hours free electives
120 hours total

All courses in concentrations are elective courses. See catalog for more details about prerequisites.

Computer Science Electives
(UTSA 2017 Catalog)

CS 2433	Principles of Cyber Security
CS 3433	Practices of Computer and Information Security
CS 3743	Introduction to Database Systems
CS 3753	Introduction to Data Science
CS 3773	Software Engineering
CS 3793	Introduction to Artificial Intelligence
CS 3873	Computer Networks
CS 4223	Bioinformatics and Big Data
CS 4233	Introduction to Computational Biology and Bioinformatics
CS 4243	Large-Scale Data Management
CS 4313	Automata, Computability, and Formal Languages
CS 4353	Unix and Network Security
CS 4363	Cryptography
CS 4373	Introduction to Data Mining
CS 4383	Computer Graphics
CS 4393	User Interfaces
CS 4413	Web Technologies
CS 4423	Game Development
CS 4593	Topics in Computer Science
CS 4633	Simulation
CS 4643	Cellular and Mobile Technologies
CS 4653	Software and Malware Reverse Engineering
CS 4663	Distributed and Cloud Systems Security
CS 4673	Cyber Operations
CS 4683	Secure Software Development and Analysis
CS 4713	Compiler Construction
CS 4723	Software Validation and Quality Assurance
CS 4733	Project Management
CS 4743	Enterprise Software Engineering
CS 4773	Object-Oriented Systems
CS 4783	Advanced Software Engineering
CS 4823	Introduction to Parallel Programming
CS 4833	Embedded Systems
CS 4843	Introduction to Cloud Computing
CS 4853	Advanced Systems Programming
CS 4863	Distributed Computing and Systems
CS 4963	Advanced Topics in Systems and Cloud
CS 4973	Advanced Topics in Data Science
CS 4993	Honors Research