

Suggested course schedule for CS concentration

1st Year	
1 st Semester.....17	2 nd Semester.....16
MATH 100.....1	CIS 211.....4
MATH 108.....3	MATH 155.....3
CIS 102.....3	CIS 234.....3
CIS 104.....3	GS (Humanities).....3
GS (Humanities).....3	GS (Humanities).....3
GS (Life and Physical).....4	
2nd Year	
1 st Semester.....16	2 nd Semester.....17
CIS 314.....4	MATH 207.....4
MATH 254.....4	CIS 321.....4
GS (Social).....6	GS (Social).....3
GS (Phys. Ed.).....2	GS (Social).....3
	GS (Social).....3
3rd Year	
1 st Semester.....15	2 nd Semester.....15
MATH 208.....4	MATH 307.....4
CIS 386.....4	MATH 314 (or 321).....3
GS (Humanities).....4	CIS 388.....4
GS (Humanities).....3	GS (Life and Physical).....4
4th Year	
1 st Semester.....16	2 nd Semester.....16
CIS 331.....3	CIS 421.....3
CIS 390.....3	CIS 431.....3
Elective.....3	CIS 487.....3
Elective.....4	Elective.....3
GS (Humanities).....3	Elective.....4

Total hours required (including free electives).....128

Specific general studies requirement

MATH 108 Precalculus.....3

Core requirements.....29

CIS 102 Microcomputer Applications.....3

CIS 104 Introduction to Computer and Information Sciences.....3

CIS 211 Computer Language Concepts.....	4
CIS 234 Introduction to Networking.....	3
CIS 314 Advanced Computer Language Concepts.....	4
CIS 321 Data and File Structures.....	4
CIS 386 Computer Organization.....	4
CIS 388 Database Management Systems.....	4
Requirements for Computer Science (CS) concentration.....	44
1. Required mathematics courses.....	17
MATH 207 Calculus I.....	4
MATH 208 Calculus II.....	4
MATH 254 Discrete Mathematics.....	3
MATH 307 Introduction to Linear Algebra.....	3
MATH 321 Probability and Statistics OR	
MATH 314 Statistics.....	3
2. Required CIS courses.....	15
CIS 331 Programming Languages.....	3
CIS 390 Operating Systems.....	3
CIS 421 Computer Architecture.....	3
CIS 431 Algorithms and Data Structures.....	3
CIS 487 Software Engineering.....	3
3. Required electives.....	12
Any CIS course numbered CIS 200 or above	