BS CIS Requirements

Required Math and Science		Hours
ArtsSci 1100	Arts and Sciences Survey	1
Math 1151	Calculus I	5
Math 1152	Calculus II	5
Math 3345	Foundations of Higher Mathematics	3
Physics 1250	Mechanics, Thermal Physics, Waves	5

Major Program (minimum grade of C- required in each course and minimum 2.0 GPA overall)

Core Requirements

CSE 2221	Software I: Software Components	4
CSE 2231	Software II: Software Development and Design	4
CSE 2321	Foundations I: Discrete Structures	3
CSE 2331	Foundations II: Data Structures and Algorithms	3
CSE 2421	Systems I: Introduction to Low-Level Programming and Computer Organization	4
CSE 2431	Systems II: Introduction to Operating Systems	3
CSE 3341	Principles of Programming Languages	3
ECE 2060	Introduction to Digital Logic	3
Stat 3470	Introduction to Probability and Statistics for Engineers	3
CSE 3231 or CSE 3241	Software Engineering Techniques or Introduction to Database Systems	3
~~CSE 3321 or CSE 3341~~	~~Automata and Formal Languages or Principles of Programming Languages~~	~~3~~
CSE 3421 or CSE 3461	Introduction to Computer Architecture or Computer Networking and Internet Technologies	3
CSE 3521 or CSE 3541	Survey of Artificial Intelligence I: Basic Techniques or Computer Game and Animation Techniques	3

Choose one of the following:

CSE 2501	Social, Ethical, and Professional Issues in Computing	1
Philos 1338	Ethics in the Professions: Introduction to Computing Ethics and Effective Presentation	4

Choose one of the following:

CSE 3901	Project: Design, Development, and Documentation of Web Applications	4
CSE 3902	Project: Design, Development, and Documentation of Interactive Systems	4
CSE 3903	Project: Design, Development, and Documentation of System Software	4

Choose one of the following:

CSE 5911	Capstone Design: Software Applications	4
CSE 5912	Capstone Design: Game Design and Development	4
CSE 5913	Capstone Design: Computer Animation	4
CSE 5914	Capstone Design: Knowledge-Based Systems	4
CSE 5915	Capstone Design: Information Systems	4

CSE Technical Electives (choose at least 16 hours that meet the following criteria)

Any CSE course 3000-level or above not already used to fulfill another requirement
At most 1 hour of CSE 4251-4255
At most 2 hours of CSE 4193, 4193H, 4998, 4998H, 4999 or 4999H
At most 7 hours of non-CSE courses at the 2000-level and above approved by the academic advisor

BS CIS Sample Schedule

	Autumn		Spring	
Year 1	*ArtsSci 1100*	1	*CSE 2221*	4
	Math 1151	5	Math 1152	5
	GE	3	*English 1110*	3
	GE	3	*Physics 1250*	5
	CSE 1223	3		
		15		**17**
Year 2	CSE 2231	4	CSE 2331	3
	CSE 2321	3	CSE 2421	4
	Stat 3470	3	ECE 2060	3
	GE (Foreign Language)	4	Math 3345	3
	GE	3	GE (Foreign Language)	4
		17		**17**
Year 3	CSE 2431	3	CSE 32X1	3
	CSE 2501	1	CSE 34X1	3
	CSE 390X	4	CSE 35X1	3
	GE (Foreign Language)	4	GE (Science)	4-5
	GE	3	GE	3
			Technical Elective	1
		14-18		**17-18**
Year 4	CSE ~~33X1~~ 3341	3	CSE 591X	4
	Technical Elective	3	Technical Elective	3
	Technical Elective	3	Technical Elective	3
	Technical Elective	3	GE	3
	GE (Science)	4-5	GE	3
		16-17		**16**

Additional hours may be necessary depending on course selection. Technical electives may range from 1 to 4 credit hours.

Admission to the CIS major requires:
- Completion of the courses shown above in *italics* or honors versions thereof
- At least 15 hours earned at Ohio State
- Cumulative GPA of at least 3.2 and a major GPA of at least 2.0 **OR** cumulative GPA of at least 3.0 and a major GPA of at least 3.2 (must have completed through CSE 2321)