Program:	**Applied Computer Science (MATH 140+) (BS CSAC)**
Emphasis (optional):	**Computer Information Systems Emphasis**

	Fall Semester			Spring Semester		
	Course	**Requirement Met**	**SH**	**Course**	**Requirement Met**	**SH**
Year 1	CS 101 Exploring Creative Computing	GE Goal 4/Major	3	CS 250 Algorithms and Problem Solving II	Major	4
	CS 234 Algorithms and Problem Solving I	Major	4	CS 275 Mathematical Foundations of Algorithms	Major	4
	MATH 140 Applied Calculus or Math 212 Calculus I*	GE Goal 4/Major	3-4	STAT 210 Statistics	Major	3
	ENG 111 College Reading & Writing or CMST 191	GE Goal 1	3-4	CMST 191 Introduction to Public Speaking or ENG 111	GE Goal 1	3-4
	OR 100 Introduction to Higher Education	Recommended	1	Physical Development & Wellness	PDW	1
	NOTE: Students need a total of 40 SH of General Education courses, plus fulfill each of the goal areas. By taking General Education courses that are double listed, it is possible to free space for a minor or double major.			*NOTE: Students that enter WSU able to take Math 140 or 212, should take it their first fall semester and replace Math 140 or 212 in their second semester with a General Education course. A grade of "C" or better is required in all major courses. Students must earn a minimum 2.50 GPA in the major and overall. Students are allowed to attempt CS courses at most 3 times (including withdraws).*		
	First-Year Fall Semester Credit Hour Total		**14-16**	**First-Year Spring Semester Credit Hour Total**		**15-16**
Year 2	CS 341 Data Structures*	Major/CAI	4	CS 313, CS 375, CS 385*, or CS Elective**	Major	3-4
	CS 313, CS 375, CS 385, or CS Elective**	Major	3-4	CS 313, CS 375, CS 385*, or CS Elective**	Major	3-4
	ACCT 211 Financial Accounting Principles	Major	3	ACCT 212 Managerial Accounting Principles	Major	3
	ECON 201 Principles of Microeconomics	GE Goal 5/Major	3	ECON 202 Principles of Macroeconomics	GE Goal 5/Major	3
	Physical Development & Wellness	PDW	1	General Education Course	GE Goal 5-10	3
	*NOTE: *CS 341 satisfies the math/critical analysis requirement. ** Students should take 1 course from CS 313, 375, 385, 300-level elective this semester and the other 3 courses from this list in the following two semesters. Students review the DARS to find full list for CS Electives.*			*NOTE: *CS 385 satisfies a writing intensive requirement. **Students should take 2 courses from CS 313, 375, 385 this semester and the other 2 courses from this list in the previous and following semesters. Students review the DARS to find full list for CS Electives.*		
	Second-Year Fall Semester Credit Hour Total		**14-15**	**Second-Year Spring Semester Credit Hour Total**		**15-17**
Year 3	CS 344 Web Programming	Major	3	CS 444 Human Computer Interaction	Major	3
	CS 313, CS 375, CS 385, or CS Elective*	Major	3-4	CS Elective	Major	3
	Business Elective	Major	3	General Education Course (Science Lab)	GE Goal 3	4
	General Education Course	GE Goal 5-10	3	General Education Course	GE Goal 5-10	3
	General Education Course	GE Goal 5-10	3	General Education Course	GE Goal 5-10	3
	NOTE: Students should take 1 course from CS 313, 375, 385 this semester and the other 3 courses from this list in the previous 2 semesters.			*NOTE: A minimum of 18 SH of 300-400 level CS courses, with at least 12 SH outside the CS core requirements, must be earned from WSU.*		
	Third-Year Fall Semester Credit Hour Total		**15-16**	**Third-Year Spring Semester Credit Hour Total**		**16**
Year 4	CS 410 Software Engineering*	Major/WI	3	CS 471 Object Oriented Design and Development*	Major/OI	3
	CS 485 Advanced Database Systems	Major	3	CS Elective	Major	3
	General Education Course	GE Goal 5-10	3	General Education Course	GE Goal 5-10	3
	General Education Course	GE Goal 5-10	3	Electives	Elective	3
	General Education Course	GE Goal 5-10	3			
	*NOTE: * CS 410 satisfies the second writing intensive requirement.*			*NOTE: *CS 471 satisfies the oral intensive requirement. Students must have 120 credits to graduate.*		
	Fourth-Year Fall Semester Credit Hour Total		**15**	**Fourth-Year Spring Semester Credit Hour Total**		**12**

Total Credit Hours (SH):   **120**

Guide to 4 Year Major Maps

- 4 Year Major Maps are intended to show a recommended four-year pathway to a degree. Students must be fulltime, college ready, and ready to declare a major to follow the map exactly as shown. Maps are only a sample; there may be other pathways that lead to completion of the degree in four years.
- Major Maps are NOT intended to take the place of meetings with advisors.
- Major Maps are NOT intended to take the place of the Degree Audit System (DARs).

All courses listed on a major map will be labelled as one or more of the following:

GE Goal	General Education Goal Area	Indicates that the course meets one of the 10 General Education Goals
Gen Elec	General Elective	Indicates that the course does not meet a General Education, Major or Minor requirement but does count toward the degree
Major	Major Requirement	Indicates that the course meets a Major requirement
Major Elec	Major Elective	Indicates that the course counts toward the major as an elective, must be chosen from list of approved courses
Minor	Minor Requirement	Indicates that the course meets a Minor requirement
CAI	Critical Analysis Intensive	Indicates that the course counts as a Critical Analysis Intensive
OI	Oral Intensive	Indicates that the course counts as an Oral Intensive
WI	Written Intensive	Indicates that the course counts as a Written Intensive
PDW	Personal Development and Wellness	Indicates that the course counts as a Personal Development and Wellness Requirement

General Education Goal Areas:

		Minimum credits required
Goal 1	Communication	7 credits
Goal 2	Critical Thinking (Met with completion of all other goal areas)	--
Goal 3	Natural Science	7 credits
Goal 4	Mathematics	3-4 credits
Goal 5	History, Social/Behavioral Sciences	9 credits
Goal 6	Humanities and Fine Arts	9 credits
Goal 7	Human Diversity	3 credits
Goal 8	Global Perspective	3 credits
Goal 9	Ethic and Civic Responsibility	3 credits
Goal 10	People and the Environment	3 credits

Graduation Requirements:

- Minimum of 120 total credits (semester hours) required for Bachelors' Degree
- Minimum of 40 General Education credits required
- Minimum of 40 Upper Division credits required
- Minimum of 30 Residence credits required in Junior/Senior years
- Minimum WSU cumulative grade point average of 2.00; some programs require higher grade point averages