

# COMPUTER SCIENCE PROGRAM CARD

Name: \_\_\_\_\_ Entry Date: \_\_\_\_\_ Advisor: \_\_\_\_\_

Yr	M	Cr	Code	Course	Completed	Notes
	*	3	CAIS 102	Computer Science Principles.....	<input type="checkbox"/>	_____
	*	4	CAIS 120	Computer Science/Program Design I.....	<input type="checkbox"/>	_____
	*	4	-Core-Math Trad	(MATH 105-Calculus I).....	<input type="checkbox"/>	_____
	*	4	-Core-Math Trad/Appl	(MATH 106-Calculus II).....	<input type="checkbox"/>	_____
FR.	*	8	-Core- Science Elective	(PHSC 115/117 BIOL 102/104 CHEM 109/111)	<input type="checkbox"/> <input type="checkbox"/>	_____
		4	-Core-Composition	(ENGL 101) .....	<input type="checkbox"/>	_____
		3	-Core-U.S. Hist/Gov	(_____).....	<input type="checkbox"/>	_____
		2	General Elective	(_____).....	<input type="checkbox"/>	_____

Yr	M	Cr	Code	Course	Completed	Notes
	*	4	CAIS 220	Computer Science/Program Design II.....	<input type="checkbox"/>	_____
	*	4	CAIS 230	Data Structures/Algorithm Analysis.....	<input type="checkbox"/>	_____
	*	4	CAIS 265	Intro to Digital Electronics & Microproc..	<input type="checkbox"/>	_____
	*	4	CAIS 236	Computer Organization & Architecture...	<input type="checkbox"/>	_____
SO.	*	3	CAIS 305	Elements of Systems Programming.....	<input type="checkbox"/>	_____
	*	3	MATH 220	Discrete Structures.....	<input type="checkbox"/>	_____
		3	-Core-Soc Understg	(_____).....	<input type="checkbox"/>	_____
		3	-Core-Lit & Phil Analy	(_____).....	<input type="checkbox"/>	_____
		3	General Elective	(_____).....	<input type="checkbox"/>	_____

Yr	M	Cr	Code	Course	Completed	Notes
	*	3	CAIS 351	Intro to the Theory of Computation.....	<input type="checkbox"/>	_____
	*	3	CAIS 347	Introduction to Networking.....	<input type="checkbox"/>	_____
	*	3	CAIS 240	Software Engineering.....	<input type="checkbox"/>	_____
	*	3	CAIS 310	Database Management.....	<input type="checkbox"/>	_____
	*	3	CAIS 307	Organization of Programming Languages..	<input type="checkbox"/>	_____
JR.	*	3	MATH 340	Mathematical Statistics I.....	<input type="checkbox"/>	_____
	*	3	ENGL 392	Business & Technical Writing.....	<input type="checkbox"/>	_____
	*	3	CAIS 339	Operating Systems .....	<input type="checkbox"/>	_____
		3	-Core-Soc Understg	(_____).....	<input type="checkbox"/>	_____
		3	-Core-Soc Understg	(_____).....	<input type="checkbox"/>	_____

Yr	M	Cr	Code	Course	Completed	Notes
	*	3	CAIS Elective	(_____).....	<input type="checkbox"/>	_____
	*	3	CAIS Elective	(_____).....	<input type="checkbox"/>	_____
	*	1	CAIS 302	Computer Science Seminar.....	<input type="checkbox"/>	_____
	*	3	CAIS 363	Computer Science Senior Project.....	<input type="checkbox"/>	_____
SR.		3	-Core-Diversity-Global	(_____).....	<input type="checkbox"/>	_____
		3	-Core-Diversity-U.S.	(_____).....	<input type="checkbox"/>	_____
		3	-Core-Apprec Arts	(_____).....	<input type="checkbox"/>	_____
		3	General Elective	(_____).....	<input type="checkbox"/>	_____
		3	General Elective	(_____).....	<input type="checkbox"/>	_____
		2	General Elective	(_____).....	<input type="checkbox"/>	_____

\_\_\_\_\_ Credits (circled above) will be required for WSU Computer Science degree  
 \_\_\_\_\_ Credits available but not listed above (i.e. "below the line" credits)  
 \_\_\_\_\_ Credits (boxed above) previous WSU work applied to WSU Computer Science program  
 \_\_\_\_\_ Transfer Credits applied to program from \_\_\_\_\_  
 \_\_\_\_\_ Transfer Credits applied to program from \_\_\_\_\_  
 \_\_\_\_\_ Total

Courses Fulfilling CAIS Elective and Science Elective Requirements:

CAIS Electives may be satisfied by any TWO of the following:

- CAIS 290 – Introduction to Computer Security (3 cr), OR
- MATH 333 – Applied Statistics (3 cr), OR
- any other 3 credit or more, 300-level, CAIS-labeled course, excluding CAIS 353 – Applied Development Project, CAIS 396 – CS Internship A, and CAIS 397 – CS Internship B, that is not otherwise required of the major

Science Elective may be satisfied by any of the following sequences:

- BIOL 102 – Environmental Biology (4cr)
- BIOL 104 – Human Biology (4cr)
  
- CHEM 109 – General Chemistry I (4 cr)
- CHEM 111 – General Chemistry II (4 cr)
  
- PHSC 115 – General Physics I (4 cr)
- PHSC 117 – General Physics II (4 cr)

Note that if the total credits taken in fulfilling the CAIS Elective Requirements exceed 6 credits, then the number of credits of General Electives required to be taken may be reduced by the number of credits by which the courses fulfilling the requirements of the CAIS Electives exceeded 6 credits. 120 total credits are required for graduation.

Prerequisites of Courses Required Within the Computer Science Major:

CAIS 102	High School Math through Algebra II or MATH 104
CAIS 120	CAIS 102 or CAIS 117
CAIS 220	CAIS 120
CAIS 230	CAIS 102 and CAIS 220
CAIS 236	CAIS 120 and CAIS 265
CAIS 240	CAIS 230
CAIS 265	Knowledge of a high-level programming language
CAIS 302	Junior or Senior Standing and permission of instructor for non-CS/CIS majors
CAIS 305	CAIS 120 or equivalent
CAIS 307	CAIS 230
CAIS 310	CAIS 210 or CAIS 230
CAIS 339	CAIS 230, CAIS 236, and CAIS 305
CAIS 347	(MATH 104 or MATH 108) and knowledge of a high-level programming language

Prerequisites of Courses Required Within the Computer Science Major (con't):

CAIS 351	MATH 220
CAIS 363	CAIS 230 and senior standing in Computer Science
MATH 105	Four years of high school math including Algebra I, II and Geometry, or MATH 104
MATH 106	MATH 105 or equivalent
MATH 220	MATH 105
MATH 340	MATH 106
ENGL 392	ENGL 101 and ENGL 102

Prerequisites of Courses Fulfilling CAIS Elective Requirement:

CAIS 301	CAIS 230 or CAIS 305
CAIS 337	CAIS 230 or CAIS 310
CAIS 341	CAIS 120
CAIS 350	CAIS 230
CAIS 290.	CAIS 125, CRJU 207, MGMT 104, or Knowledge of a high-level programming language
CAIS 308	CAIS 205
CAIS 312	(CAIS 125 and knowledge of a high-level programming language) or (CAIS 102 and knowledge of a high-level programming language) or permission of instructor
CAIS 315	Knowledge of a high-level programming language
CAIS 316	CAIS 216 and either CAIS 120 or CAIS 212
CAIS 346	Knowledge of a high-level programming language
CAIS 348	(MATH 108 or MATH 340) and (CAIS 120 or CAIS 212)
CAIS 380	Permission of instructor
MATH 333	MATH 340 or permission of instructor

Prerequisites of Courses Fulfilling Science Elective Requirement:

BIOL 102	None
BIOL 104	None
CHEM 109	None
CHEM 111	CHEM 109
PHSC 115	None
PHSC 117	PHSC 115