COMPUTER SCIENCE PROGRAM CARD

Name: _____   Entry Date: _____   Advisor: _____

Yr	M	Cr	Code	Course	Completed	Notes
	*	3	CAIS 102	Computer Science Principles……………	[___]	_____
	*	4	CAIS 120	Computer Science/Program Design I…...	[___]	_____
	*	4	-Core-Math Trad	(MATH 105-Calculus I)………………..	[___]	_____
	*	4	-Core-Math Trad/Appl	(MATH 106-Calculus II)………………..	[___]	_____
FR.	*	8	-Core- Science Elective	(PHSC 125/127|BIOL 128/129|CHEM 109/111)	[___][___]	_____
		4	-Core-Composition	(ENGL 101) …………………………..	[___]	_____
		3	-Core-U.S. Hist/Gov	(_____)……	[___]	_____
		2	General Elective	(_____)……	[___]	_____

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

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

Yr	M	Cr	Code	Course	Completed	Notes
	*	3	CAIS "A" Elective	(_____)……	[___]	_____
	*	3	CAIS "B" Elective	(_____)……	[___]	_____
	*	1	CAIS 302	Computer Science Seminar……………...	[___]	_____
	*	3	CAIS 363	Computer Science Senior Project……….	[___]	_____
SR.		3	-Core-Diversity-Global	(_____)……	[___]	_____
		3	-Core-Diversity-U.S.	(_____)……	[___]	_____
		3	-Core-Apprec Arts	(_____)……	[___]	_____
		3	General Elective	(_____)……	[___]	_____
		3	General Elective	(_____)……	[___]	_____
		2	General Elective	(_____)……	[___]	_____

_____ 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   (August 2021)

Courses Fulfilling CAIS "A", CAIS "B", and Science Elective Requirements:

CAIS "A" Elective may be satisfied by any of the following:
- CAIS 301 – Compiler Design (3 cr)
- CAIS 337 – Networking and Client/Server Computing (3 cr)
- CAIS 341 – Computer Graphics (3 cr)
- CAIS 350 – Artificial Intelligence (3 cr)

CAIS "B" Elective may be satisfied by:
- CAIS 290 – Introduction to Computer Security (3 cr), OR
- MATH 333 – Applied Statistics (3 cr), OR
- any course from the CAIS "A" Elective list above, not already used to satisfy that requirement, 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 128 – Intro to Organismal, Ecological and Evolutionary Biology (4 cr)
- BIOL 129 – Intro to Molecular, Celluar, and Developmental Biology (4 cr)

- CHEM 109 – General Chemistry I (4 cr)
- CHEM 111 – General Chemistry II (4 cr)

- PHSC 125 – Physics I (4 cr)
- PHSC 127 – Physics II (4 cr)

Note that if the total credits taken in fulfilling the CAIS "A" and CAIS "B" Elective Requirements exceed 6 credits, then the number of credits of General Electives required to be taken may be reduced by the number credits by which the courses fulfilling the requirements of the CAIS "A" and CAIS "B" 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 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

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

CAIS 347	(MATH 104 or MATH 108) and knowledge of a high-level programming language
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
CAIS 265	Knowledge of a high-level programming language
ENGL 392	ENGL 101 and ENGL 102

Prerequisites of Courses Fulfilling CAIS "A" Elective Requirement:

CAIS 301	CAIS 230 or CAIS 305
CAIS 337	CAIS 230 or CAIS 310
CAIS 341	CAIS 120
CAIS 350	CAIS 230

Prerequisites of Courses Fulfilling CAIS "B" Elective Requirement:

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 128	None
BIOL 129	None
CHEM 109	None
CHEM 111	CHEM 109
PHSC 125	MATH 105 or concurrent
PHSC 127	PHSC 125 and MATH 106 or concurrent

(August 2021)