

All Bachelor of Science programs require a minimum of 128 credits and a 2.00 cumulative average.

B.S. COMPUTER SCIENCE AND INFO SYSTEMS COMPUTER SCIENCE CONCENTRATION

Fall 2014 – Spring 2015

CSIS REQUIREMENTS: A grade of "C" or better is required in CSIS 1206, CSIS 2101, CSIS 2102, CSIS 2210, and CSIS 3230. 80 credits

CSIS 1206 Statistics	(4)	Select at least six from the following courses:	CSIS 3381 Info. Assurance & Security	24 credits total
CSIS 2101 Programming & Problem Solving I	(4)		CSIS 4135 Web Application Engineering	
CSIS 2102 Programming & Problem Solving II	(4)		CSIS 4244 Programming Lang. Concepts	
CSIS 2210 Systems Analysis & Design	(4)		CSIS 4251 Operating Systems	
CSIS 3230 Computer Networking Principles	(4)		CSIS 4463 Artificial Intelligence	
MATH 2215 Calculus I	(5)		CSIS 4466 Computer Graphics	
MATH 2225 Discrete Mathematics I	(4)		CSIS 4469 Computer Architecture	
CSIS 2226 Foundations of Computer Science	(4)		CSIS 4481 Cryptography and Data Security	
CSIS 3103 Data Structures	(4)		CSIS 4485 Software & Secur. Engineering	
CSIS 3250 Computer Organization	(4)		MATH 4471 Computer Algorithms	
MATH 2216 Calculus II	(5)		CSIS or MATH* elective	
Transfer students may use additional transferred courses in CSIS or MATH* as cognates.			CSIS or MATH* elective	(4)
* Math electives must be precalculus or above. Electives must be approved by your CSIS preceptor			Internship or CSIS or MATH* elective	(2+)

GENERAL STUDIES REQUIREMENTS: 48 credits

G COURSES: (32 total credits) No more than 12 credits in any "G" category may be applied towards the BS degree.

GEN General Interdisciplinary	(4)	GNM General Natural Science & Math	(4)
GIS-General Integration & Synthesis (Jr. yr.)	(4)	GNM General Natural Science & Math	(4)
GAH General Arts & Humanities	(4)	GSS General Social Science	(4)
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AT SOME DISTANCE Electives: (16 total credits) Courses unrelated to your major (may include CSIS courses)

	(4)		(4)
	(4)		(4)

GENERAL STUDIES OUTCOME REQUIREMENTS: These course attributes should be completed within the 128 credits needed to graduate.

(A) Arts		(V) Values/Ethics	
(H) Historical Consciousness		(I) International/Multicultural	

GENERAL STUDIES WRITING REQUIREMENT: (4 courses)

Two W1 courses may be in transfer. W2 courses must be taken at Stockton.

W1		W1/W2		W1/W2		W1/W2 at 3000 Level	
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GENERAL STUDIES QUANTITATIVE REASONING REQUIREMENT: (3 courses)

Two Q1 courses may be in transfer. Q2 courses must be taken at Stockton.

Q1		Q2		Q1 or Q2	
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Prerequisites must be met, check course description on the web.

"The student is responsible for insuring that all graduation requirements are met" (Bulletin). Consult with your preceptor and/or the Center for Academic Advising on a regular basis.

B.S. In CSIS (Computer Science Concentration)

Year 1

CSIS 1206
Statistics

MATH 2215
Calculus I

MATH 2225+
Discrete Math

Year 2

CSIS 2101
Programming I

MATH 2216
Calculus II

CSIS 2226
Foundations of CS

CSIS 2102
Programming II

CSIS 2210
Syst. Anal. & Des.

Year 3

CSIS 3103
Data Strucs.

CSIS 3250
Computer Org.

CSIS 3230
Networking Prin.

CSIS 3381
Info. Security

Year 4

CSIS 4135*
Web Aps

CSIS 4244
Programming Lang

CSIS 4251
Operating Sys

CSIS 4463
Art. Intelligence

CSIS 4485++
Software & Sec. Eng.

CSIS 4469
Computer Arch.

CSIS 4466
Software & Sec. Eng.

CSIS 4481**
Crypt. & Data Security

MATH 4471***
Computer Alg.

+MATH 3325 can be substituted for MATH 2225

++Alternate pre-req: CSIS 3222 and CSIS 3470

*Alternate pre-req: CSIS 3470

** & (CSIS 2226 or MATH 3325) & (CSIS 2102 or MATH 3323)

*** & (MATH 2226 or CSIS 2226 or MATH 3325 or MATH 3323)

