

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

B.A. COMPUTER SCIENCE AND INFORMATION SYSTEMS

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. **minimum 64 credits**

CSIS 1206 Statistics	(4)
CSIS 2101 Programming & Problem Solving I	(4)
CSIS 2102 Programming & Problem Solving II	(4)
CSIS 2210 Systems Analysis & Design	(4)
CSIS 3230 Computer Networking Principles	(4)
MATH 2215 Calculus I	(5)
MATH 2225 Discrete Mathematics I	(4)

Cognate and Elective Courses: Choose from CSIS courses or other cognate courses approved by your CSIS preceptor. A minimum of 20 CSIS credits must be at the 3000 level or above and taken at Stockton.

Internship/CSIS Elective or Cognate	(4)
CSIS Elective or Cognate	(4)
CSIS Elective or Cognate	(4)
CSIS Elective or Cognate	(3+)
CSIS Elective (>= 3000 level)	(4)
CSIS Elective (>= 3000 level)	(4)
CSIS Elective (>= 3000 level)	(4)
CSIS Elective (>= 3000 level)	(4)
CSIS Elective (>= 3000 level)	(4)

Transfer students may use additional transferred courses in CSIS as cognates.

GENERAL STUDIES REQUIREMENTS: **64 credits**

G COURSES: (32 total credits) No more than 12 credits in any "G" category may be applied towards the BA 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)
GAH General Arts & Humanities	(4)	GSS General Social Science	(4)

AT SOME DISTANCE Electives: (32 total credits) Courses unrelated to your major (may include CSIS courses)

	(4)		(4)
	(4)		(4)
	(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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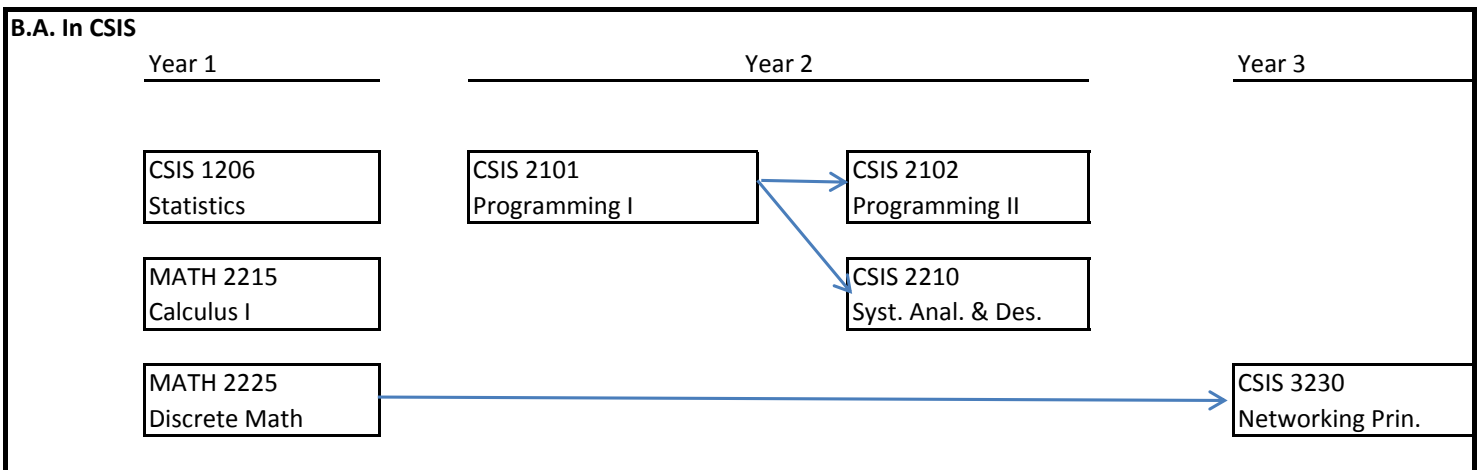
GENERAL STUDIES QUANTITATIVE REASONING REQUIREMENT: (3 courses)

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.



Possible Cognate Course	Title	Course Requirements
CSIS 1100	COMPUTER SCIENCE: AN OVERVIEW	Two yrs H.S. Algebra
CSIS 1180	COMPUTING CONCEPTS & APPLICATIONS	Not open to CSIS majors after they have completed a 2000+ level CSIS course
CSIS 2215	BRIDGES: COMPUTERS & CALCULUS	MATH 2215 & Permission of Instructor
CSIS 2222	TELECOMMUNICATION SYSTEMS	CSIS 1206 with a grade of C or better
CSIS 2226	FOUNDATIONS OF COMP. SCIENCE	MATH 2225 with a grade of C or better or Math 3325
CSIS 2259	OPERATIONS RESEARCH I	CSIS 2101 with a grade of C or better
CSIS 3103	DATA STRUCTURES	CSIS 2102 with a grade of C or better & (MATH 2225 or MATH 3325)
CSIS 3222	DATABASE SYSTEMS	CSIS 2210 with a grade of C or better & (MATH 2225 or MATH 3325)
CSIS 3230	COMPUTER NETWORKING PRINCIPLES	MATH 2225 or MATH 3325
CSIS 3241	E-COMMERCE	CSIS 2210 with a grade of C or better
CSIS 3250	COMPUTER ORGANIZATION	CSIS 2102 with a grade of C or better
CSIS 3381	INFORMATION ASSURANCE & SECURITY	CSIS 2102 with a grade of C or better & (MATH 2225 or MATH 3325)
CSIS 3470	APPLICATION DEVELOPMENT	CSIS 2102 with a grade of C or better
CSIS 3472	HUMAN-COMPUTER INTERFACE	CSIS 2210 with a grade of C or better
CSIS 3475	IT PROJECT MANAGEMENT	CSIS 2210 with a grade of C or better
CSIS 4135	WEB APPLICATION ENGINEERING	CSIS 3103 or CSIS 3470
CSIS 4211	ADVANCED SYSTEMS ANALYSIS	CSIS 2210 with a grade of C or better
CSIS 4223	ADVANCED DATABASE SYSTEMS	CSIS 2102 & CSIS 2222 (Jrs & Srs only)
CSIS 4244	PROGRAMMING LANGUAGE CONCEPTS	CSIS 2102 with a grade of C or better & CSIS 3222
CSIS 4251	OPERATING SYSTEMS	CSIS 3103
CSIS 4463	ARTIFICIAL INTELLIGENCE	CSIS 3103
CSIS 4466	COMPUTER GRAPHICS	CSIS 3103
CSIS 4469	COMPUTER ARCHITECTURE	CSIS 2102 with a grade of C or better & MATH 2216 CSIS 3013 & MATH 3323 recommended
CSIS 4481	CRYPTOGRAPHY AND DATA SECURITY	CSIS 3250
CSIS 4485	SOFTWARE & SECURITY ENGINEERING	CSIS 2101, MATH 2216, (CSIS 2226 or MATH 3325), (CSIS 2102 or MATH 3323)
CSIS 4510	TOPICS IN COMPUTER SCIENCE	CSIS 3103 or (CSIS 3222 and CSIS 3470)
CSIS 4520	TOPICS IN INFORMATION SYSTEMS	Permission of Instructor
CSIS 4600	COMPUTERS AND SOCIETY	Permission of Instructor
CSIS 4900	CSIS INTERNSHIP	Permission of Instructor