

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

B.A. COMPUTER SCIENCE AND INFORMATION SYSTEMS

Fall 2017 – Spring 2018

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)

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

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)

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)
	(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.

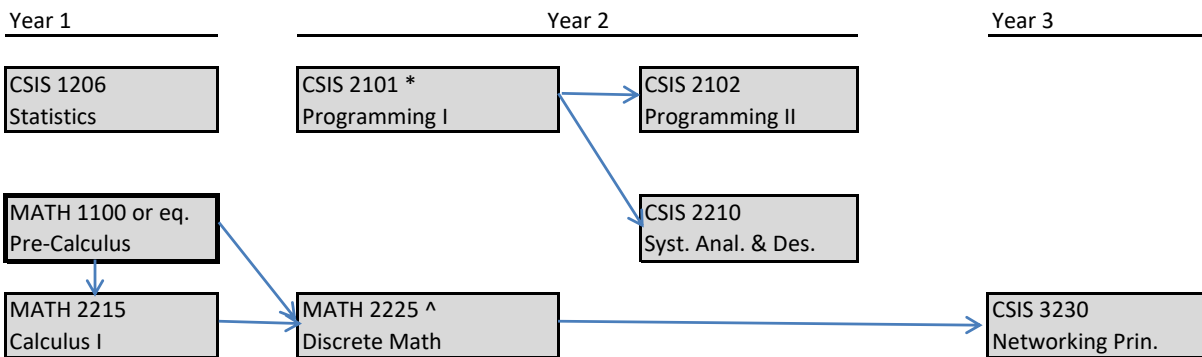
Q1		Q2		Q1 or Q2	
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Prerequisites must be met, check course description on the web.

Rev 6/7/17

"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.A. In CSIS



(*Pre-req GNM 1125 or GNM 1126 or GEN 1126 or 2310 or FRST 2310 or GEN 1135 with Grade "C" or better or SAT Math score of 570 or ACT math score of 24 or Accuplacer score of 55 or higher)

^ Alternate pre-req: CSIS 2101. Note: MATH 3325 can be substituted for MATH 2225

Possible Cognate Course	Title	Course Requirements
CSIS 1100	COMPUTER SCIENCE: AN OVERVIEW	Two yrs H.S. Algebra. Not open to CSIS majors after they have completed a 2000+ level CSIS course
CSIS 1180	COMPUTING CONCEPTS & APPLICATIONS	Not open to CSIS majors after they have completed a 2000+ level CSIS course
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 & ALGORITHMS I	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 and CSIS 3230 with grades of C or better
CSIS 3470	APPLICATION DEVELOPMENT	CSIS 2102 with a grade of C or better
CSIS 3472	HUMAN-COMPUTER INTERFACE	CSIS 2102 & 2210 with grades of C or better
CSIS 3475	IT PROJECT MANAGEMENT	CSIS 2210 with a grade of C or better
CSIS 4104	DATA STRUCTURES & ALGORITHMS II	CSIS 2226, CSIS 3103, and MATH 2215 with grades 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 3222. (Jrs & Srs only)
CSIS 4244	PROGRAMMING LANGUAGE CONCEPTS	CSIS 3103
CSIS 4251	OPERATING SYSTEMS	CSIS 3103
CSIS 4463	ARTIFICIAL INTELLIGENCE	CSIS 3103
CSIS 4469	COMPUTER ARCHITECTURE	CSIS 3250 CSIS 3103 & MATH 3323 recommended
CSIS 4481	CRYPTOGRAPHY AND DATA SECURITY	CSIS 2101 with grade of C or better; MATH 2216, (CSIS 2226 & MATH 3325) or (CSIS 2102 with grade of C or better & MATH 3323)
CSIS 4485	SOFTWARE & SECURITY ENGINEERING	CSIS 3103 or (CSIS 3222 and CSIS 3470)
CSIS 4510	TOPICS IN COMPUTER SCIENCE	Permission of Instructor
CSIS 4520	TOPICS IN INFORMATION SYSTEMS	Permission of Instructor
CSIS 4600	COMPUTERS AND SOCIETY	Permission of Instructor
CSIS 4900	CSIS INTERNSHIP	Permission of Instructor