

# B.S. COMPUTER INFORMATION SYSTEMS

Fall 2022 – Spring 2023

**CIS REQUIREMENTS: A grade of "C" or better is required in the CIS Core, the IS Environment Courses, and CIST 1206.**

**80 credits**

<b>CIS Core (all courses required):</b>	
CIST 2010 Computer Info Systems: An Overview	(4)
CSCI 2101 Programming & Problem Solving I**	(4)
CIST 2110 Programming in Python**	(4)
CIST 2210 Systems Analysis & Design	(4)
CIST 3222 Database Systems	(4)
CIST 3230 Computer Networking Principles	(4)
CIST 3259 Business Analytics	(4)
CIST 3475 Project Management	(4)
CIST 4381 IT Infrastructure Mgmt & Compliance	(2)
CIST 4600 Senior Seminar	(2)
<b>IS Environment Courses (all courses required):</b>	
ECON 1200 Macroeconomics	(4)
MGMT 2110 Introduction to Management	(4)
MKTG 2110 Marketing Principles	(4)
ACCT 2110 Financial Accounting	(4)
Other Business Courses ***	as needed

<b>Quantitative Analysis Courses (both required):</b>	
CIST 1206 Statistics	(4)
MATH 2225 Discrete Mathematics	(4)
<b>CIS Electives (choose 4):</b>	
CIST 3110 Python for Data Analysis	(4)
CIST 3240 Enterprise Resource Planning	(4)
CIST 3381 Information Assurance & Security	(4)
CIST 3430 Network & System Administration	(4)
CIST 3450 Business Intelligence	(4)
CIST 3470 Application Development	(4)
CIST 3472 Human-Computer Interaction	(4)
CIST 3481 Digital Forensics	(4)
CIST 4223 Advanced Database	(4)
CIST 4520 Topics Info Systems	(4)
CIST 4800 Indep Study (with program approval)	(0-4)
<b>Cognates (4 or more credits as needed):</b>	
CIST 4800 Independent Study	(0-4)
CIST 4900 Internship	(0-4)
Other cognates*	(4)

\*Any Stockton CIST course, or CSCI 2102 may be used as a cognate. Any other course used for a cognate requires CIS preceptor approval. Transfer students may use additional transfer courses in CIST as cognates.

\*\* CSCI 2101 and CIST 2110 may not be taken concurrently

\*\*\* 16 credits required in IS Environment (0-4 additional credits as needed)

## GENERAL STUDIES REQUIREMENTS: 48 credits

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

<b>AT SOME DISTANCE Electives: (16 total credits) Courses unrelated to your major</b>			
	(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	
(R1) Race and/or Racism Intensive		(R2) Race and Racism Education	

## 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.

11/8/2022



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CIST 3430  
Network Sys. Admin...

CIST 3443...

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Advanced Database + 227 Ad

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