

B.S. Computer Information Systems

Four-Year Degree Plan

within the CSU Chico Department of Computer Science
2005 - 2007 University Catalog

Total Units
128

CIS Major	Units	GE & Electives	Units
Major Lower Division (LD)	18	General Education	54
Major Upper Division (UD)	37	Electives	7
Business Minor (BM)	24	Double Counted	-12
Major Total Units	79	Other Total Units	49

First Semester				Units	Notes ¹	Second Semester				Units	Notes ¹	
CSCI 111	CSCI 015A	Programming and Algorithms I	3		LD	CSCI 112	CSCI 015B	Programming and Algorithms II	3		LD	
MATH 109	MATH 009	Survey of Calculus	3		CIS & GE A4	MATH 105	MATH 005	Statistics	3		CIS	
ENGL 130	ENGL 001	Academic Writing	3		GE A2	ECON 103	ECON 003	Principles of Micro Analysis	3		BM & GE D1	
GE A		Oral Communications or Critical Thinking	3		GE A1 or A3	GE A		Oral Communications or Critical Thinking	3		GE A1 or A3	
GE E		Lifelong Learning	3		GE E	GE C		Arts and Humanities	3		GE C1/C2/C3	
Semester Total			15			Semester Total			15			
Third Semester					Four Semester							
CSCI 110/144	CSCI 054/057	Intro Apps Prog or Intro UNIX	3		LD	CSCI 221	CSCI 051A	Assembly Language Programming	3		LD	
ACCT 201	ACCT 015	Intro to Financial Accounting	3		BM	ACCT 202	ACCT 016	Intro to Managerial Accounting	3		BM	
MINS 301	MINS 110	Corporate Tech Integration	3		BM	BLAW 302	BLAW 100	Managing the Legal Environment	3		BM	
GE B		The Physical Universe or Life Forms	3		GE B1 or B2	GE B		The Physical Universe or Life Forms	3		GE B1 or B2	
POLS 155	POLS 055	American Government	3		GE ² D1/D2/D3	HIST 130	HIST 050	United States History	3		GE ² C1/C2/C3	
Semester Total			15			Semester Total			15			
Fifth Semester					Sixth Semester							
CSCI 311	CSCI 151	Algorithms and Data Structures	3		UD	CSCI 340	CSCI 152	Operating Systems Programming	3		UD	
CSCI 320	CSCI 171	Computer Architecture	3		UD	CSCI 330	CSCI 112	Software Engineering	3		UD	
CIS Selection		CIS Upper Division Selections	3		UD	CIS Selection		CIS Upper Division Selections	3		UD	
FINA 307	FIN 150	Survey of Finance	3		BM	MKTG 305	MKTG 170	Survey of Marketing	3		BM	
GE C		Arts and Humanities	3		GE C1/C2/C3	Theme 1		Upper Division Theme	3		GE UD Theme	
Elective		Elective	3			Elective		Elective	1			
Semester Total			18			(Apply for graduation 1 year in advance) Semester Total			16			
Seventh Semester					Eighth Semester							
CSCI 470	CSCI 273	Database Management	3		UD	CSCI 305	CSCI 180	Proj Requiremts/Design/Test	3		UD	
CIS Selection		CIS Upper Division Selections	3		UD	CIS Selection		CIS Upper Division Selections	3		UD	
CIS Selection		CIS Upper Division Selections	3		UD	CIS Selection		CIS Upper Division Selections	3		UD	
MGMT 303	MGMT 180	Managing People/Bus Proc/Chg	3		BM	CSCI 490	CSCI 190	Directed Programming Exp	1		UD	
Theme 2		Upper Division Theme	3		GE UD Theme	Theme 3		Upper Division Theme	3		GE UD Theme	
Elective		Elective	3			GE D		Behavioral and Social Sciences	3		GE D2 or D3	
Semester Total			18			Semester Total			16			

¹For General Education (GE) refer to GE planning sheet; consider taking a Course Link in your first semester; consider meeting Ethnic and Non-Western requirements with GE.

²POLS 155 and HIST 130 - special GE modifications for this degree.

CIS Selection = CIS Upper Division Selections - see reverse side for details and selections

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Course	Description	Units
Lower Division Core (6 courses)		
CSCI 111	CSCI 015A Programming and Algorithms I	3
CSCI 112	CSCI 015B Programming and Algorithms II	3
CSCI 221	CSCI 051A Assembly Language Programming	3
MATH 105	MATH 005 Statistics	3
MATH 109	MATH 009 Survey of Calculus	3
1 course selected from:		
CSCI 110	CSCI 54 Intro to Applications Prog	3
CSCI 144	CSCI 57 Introduction to UNIX Operating	3
Total Lower Division Core		18
Upper Division Core (7 courses)		
CSCI 305	CSCI 180 Proj Requiremnts/Design/Test	3
CSCI 311	CSCI 151 Algorithms and Data Structures	3
CSCI 320	CSCI 171 Computer Architecture	3
CSCI 330	CSCI 112 Software Engineering	3
CSCI 340	CSCI 152 Operating Systems Programming	3
CSCI 470	CSCI 273 Database Management	3
CSCI 490	CSCI 190 Directed Programming Exp	1
Total Upper Division Core		19
Upper Division Selections (6 courses)		
All CIS students must take at least three of the six courses in the discipline of Computer Science.		
Select 1 course from Networking Selections		3
Select 1 course from Web Selections		3
Select 4 additional courses from selections		12
Total Upper Division Selections		18

Business Administration Requirement

ACCT 201	ACCT 015	Intro to Financial Accounting	3
ACCT 202	ACCT 016	Intro to Managerial Accounting	3
BLAW 302	BLAW 100	Managing the Legal Environment	3
ECON 103	ECON 003	Principles of Micro Analysis	3
FINA 307	FIN 150	Survey of Finance	3
MGMT 303	MGMT 180	Managing People/Bus Proc/Chg	3
MINS 301	MINS 110	Corporate Tech Integration	3
MKTG 305	MKTG 170	Survey of Marketing	3
Minor Total			24

CIS Upper Division Selections

Course	Description	Units
Networking Selections		
CSCI 346	CSCI 178 Intro to Computer Netwks/Mgmt	3
CSCI 546	CSCI 277 Adv Network Management	3
CSCI 547	CSCI 278 Computer Networks	3
MINS 345	MINS 214 Distributed Systems Management	3
MINS 545	MINS 215 Adv Distributed Systems Mgmt	3
Web Selections		
APCG 360	CSCI 145 Web Page Design	3
CDES 322	CDES 212 Advanced WWW Design & Publish	3
CDES 323	CDES 215 Human Interface Design	3
CSCI 465	CSCI 245 Web Programming Fundamentals	3
CSCI 511	CSCI 215 Object-Oriented Programming	3
MINS 546	MINS 219 E-Com & Client Server Comptng	3
Database/ERP Selections		
BSIS 420	BIS 220 ERP: Systems Config and Use	3
BSIS 524	BIS 224 Business Programming with ABAP	3
CSCI 570	CSCI 276 Advanced Database Mgmt Systems	3
MINS 335	MINS 118 Database Application Dev	3
MINS 522	MINS 222 ERP: Systems Adm	3
MINS 535	MINS 218 Database Administration	3
Systems Selections		
CSCI 344	CSCI 157 UNIX Power Utilities Shell Prg	3
CSCI 444	CSCI 257 Fundamental UNIX System Admin.	3
CSCI 540	CSCI 272 Multi-User Operating Systems	3
CSCI 542	CSCI 270 Systems Design	3
Computer Science Selections		
Any 400 or 500 level Computer Science course approved by adviser		3

Unit Summary

Computer Information Systems Requirements	55
Business Administration Requirement	24
Lower Division General Education	39
Upper Division General Education	9
American Institutions	6
Double Counted	-12
Electives	7
Total Degree	128