



Monte Ahuja College of Business

Bachelor of Science in Computer & Information Degree Academic Graduation Plan - First & Second Year

University General Education Requirements	Credits		Notes
BUS 101 Intro to College Life or ASC 101	(1)	<input checked="" type="checkbox"/>	Must be completed in first year.
Writing/Composition Category ENG 100 or 101 College Writing I ENG 102 Writing II <i>Must complete with a grade of "C" or higher, if not then repeat the course</i>	(3) (3)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Must be completed in first year or prior to completion of the first 30 hours of coursework.
Mathematics/Quantitative Literacy Category MTH 181 Calculus I MTH 182 Calculus II <i>Must complete with a grade of "C" or higher, if not then repeat the course</i>	(4) (4)	<input type="checkbox"/> <input type="checkbox"/>	MTH167 + MTH168 needed Must be completed prior to completion of the first 30 hours of coursework. <i>*Students may need MTH 167/168 prior to completion of MTH 181/182</i> <i>+ Cannot use Math 148 and 149 for CIS major. Catalog rights - Fall 2014</i>
Natural Sciences Category PHY 243 University Physics I (W) PHY 244 University Physics II (W)	(5) (5)	<input type="checkbox"/> <input type="checkbox"/>	Each course must be worth a minimum of three credit hours. One course must include a laboratory component.
Social Sciences Category Social Science Elective <u>UST200</u> Social Science Elective (not ECN) <u>Pre-08</u> <i>This course must focus on a non-U.S. society.*</i>	(3) (3)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Each course must be worth a minimum of three credit hours. <i>* Between the two Arts and Humanities electives and the open Social Science elective one course must focus on Africa, Asia, Latin America or the Middle East.</i>
Arts and Humanities Category Arts and Humanities Elective <u>MUS111</u> Arts and Humanities Elective <u>Pre-08</u> <i>This course must focus on a non-U.S. society.*</i>	(3) (3)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Each course must be worth a minimum of three credit hours. One of these two courses must focus on a non-U.S. society.* <i>Courses must come from two different departments.</i>
Social Diversity Category African-American Experience <u>Pre-08</u> U.S. Diversity Elective <u>Pre-08</u>	(3) (3)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	One course is required in each area, and each course must be worth a minimum of three credit hours. Students who transfer 60 or more credit hours need to complete only course in this area.
Writing Across the Curriculum <i>(courses determined with a Business advisor)</i>	3 courses	<input type="checkbox"/>	University General Education Requirement
CSU Student ID Number <u>2251541</u>			
CIS Introduction Courses CIS 151 Invitation to Computing CIS 260 Introduction to Programming <i>*req. CIS 151</i> CIS 265 Data Structures <i>*req. CIS 260</i> <i>Required grade of "C" or higher in CIS 260 and "C" grades in ALL other CIS courses</i>	(3) (4) (4)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Foreign Language Deficiency? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <i>Students who graduated from high school in 1987 or later, and who did not complete two years of a single foreign language in high school, must complete two semesters of the same language in order to graduate from CSU.</i>

bif
MTH
101

Student Name: Justin Palmert Assigned Advisor: S. TRIK

Appointment Advisor: _____ Date: 8-5-14

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Monte Ahuja College of Business

Bachelor of Science in Computer & Information Degree Academic Graduation Plan: Third & Fourth Year

All computer and information science courses must be passed with a grade of "C" or higher. Any computer and information science course taken without prior satisfactory completion of all catalog prerequisites will NOT be counted toward the fulfillment of graduation requirements.

The College of Business requires a minimum of 120 credits for graduation & completion of all course requirements

Computer & Information Science Major Requirements

Computer & Information Science Introduction Core Courses

CIS 151 Invitation to Computing _____, CIS 260 Introduction to Programming _____, CIS 265 Data Structures _____

Earn a grade of "C+" or higher in CIS 260 (Intro to Programming) & Earn a cumulative 2.0 GPA within the Intro. core courses.

Computer & Information Science Core

CIS 335 Language Processors (3)

CIS 390 Introduction to Algorithms (3)

CIS 340 Systems Programming (3)

CIS 485 Senior Project (4) *Capstone

CIS 345 Operating Systems (3)

Concurrently complete CIS core with CIS core choice, CIS electives and CIS Math/Science core electives - see below

Computer & Information: Electives

CIS Core Choice (12 credit hours- 1 course from each area)

- 1. CIS 434 Software Eng
or CIS 430 Database
- 2. CIS 424 Prog Language
or CIS 490 Foundations of Computing
- 3. CIS 454 Systems: Networking
or CIS 480 Introduction to Comp Architecture
or CIS 475 Intro. to Computer Security
- 4. CIS 368 Applications: Object Oriented Design
or CIS 467 Introduction to Artificial Intelligence
or CIS 457 Computer Graphics

CIS Electives (15 credit hours)

- CIS Elective: _____
- CIS Elective: _____
- CIS Elective: _____
- CIS Elective: _____
- CIS Elective: _____

*Must be 300/400 level CIS courses

CIS Math & Science Core (Complete concurrently with CIS course work)

- MTH 220 - Introduction to Discrete Mathematics
- MTH 288 - Linear Algebra
- MTH 323 - Statistical Methods
- MATH or SCIENCE COURSE at 300/400 level

CIS Soft Skills & Free Electives (11 credit hours)

- 1. **GAD 250 Business Communications (W)
or **IST 420 Project Management
**Can select both, must select at least one. _____ (3 hrs)
- 2. Free elective courses _____ (6 hrs) **Above
- 3. Internship/ Indep. Study elective/Free elective _____ (2 hrs)

CIS Major Electives: check Campus Net, the CIS Department website or speak with a College of Business advisor