



Bachelor of Science INFORMATION TECHNOLOGY

(*See Lower Division Requirements prior to admission to this program)

Advisement Form 2010-2011

Name _____ ID _____

	Un.	Instit.	Course	Units	Grade	Term	Prerequisites, GE & Comments
Core Courses (26 units)							
COMP 151 Data Structures and Program Design	4						Prereq: COMP 150
COMP 262 Computer Organization and Architecture	3						Prereq: COMP 151 & 162
COMP 362 Operating Systems	4						Prereq: COMP 262
COMP 420 Database Theory and Design	3						Prereq: MATH 300 or 301
IT 280 Web Programming	3						Prereq: COMP/IT 151 & MATH 300 or 301
IT 429 Computer Networks for IT	3						Prereq: COMP/IT 362
MGT 307 Management of Organizations	3						
MIS 310 Management Information Systems	3						Prereq: Comp 101 or equivalent
Mathematics and Science Requirements (7 units)							
MATH 301 Discrete Mathematics for IT	3						
Lab Science II (PHYS, BIOL or CHEM)	4						GE: B1 or B2 depending on science chosen
Electives (15 units) <i>Select 15 units from courses listed below:</i>							
Note: 9 units of the 15 units must be taken in IT courses							
ART 324 Communication Design Technology: Web Design	3						Prereq: ART 204 & 205; Repeatable
ART 326 Digital Media Art: 3D Computer Animation	3						Prereq: ART 206 & 312 or consent of instructor; Repeatable
COMP 232 Programming Languages	3						Prereq: COMP 151 & 162
COMP 337 Survey of Computer Gaming	3						GE: B4, UDIGE
COMP/PHYS/MATH 345 Digital Image Processing	3						Prereq: Consent of instructor GE: B1, B4, UDIGE
COMP 350 Introduction to Software Engineering	3						Prereq: COMP 232 & 262
COMP 425 Computer Game Programming	3						Prereq: COMP 429 & 464
COMP 447 Societal Issues in Computing	3						Prereq: Senior standing; GE: B4, D, UDIGE
COMP/PSY 449 Human-Computer Interaction	3						Prereq: Programming experience or consent of instructor; GE: B4, E, UDIGE
COMP/MATH 452 Computational Bioinformatics	4						Prereq: Programming experience and statistics, or consent of instructor
IT 400 eCommerce	3						Prereq: IT 280 & 420
IT 401 Web Intelligence	3						Prereq: IT 402
IT 402 Advanced IT Programming	3						Prereq: IT 280

Electives, cont.	Un.	Instit.	Course	Units	Grade	Term	Prerequisites, GE & Comments
IT 424 Computer System Security for IT	3						Prereq: IT 429
IT 464 Computer Graphics for IT	3						Prereq: COMP/IT 151 & MATH 300 or 301
IT 469 Artificial Intelligence/Neural Networks for IT	3						Prereq: COMP/IT 151 & MATH 300 or 301
IT 490 Special Topics for IT	3						Prereq: Senior standing in BSIT program; Repeatable
MATH 137 Strategies and Game Design	3						Prereq: A passing score on the ELM GE: B3
MATH 330 Mathematics and Fine Arts	3						Prereq: A passing score on the ELM or MATH 95; GE: B3, UDIGE
MATH 437 Mathematics for Game Development	3						Prereq: MATH 137 or MATH 300 or 301 or consent of instructor GE: B3, UDIGE
Capstone (4 units)							
MGT 471 Project Management	3						Prereq: MGT 307
IT 499 BSIT Capstone	1						Prereq: MGT 471 & senior standing in BSIT program

Additional University Graduation Requirements

9 Units Upper Division Interdisciplinary GE (UDIGE) at CSUCI (courses numbered 330-349 or 430-449)		
<i>Upper Division standing required for these courses</i>		
Course 1 _____	Course 2 _____	Course 3 _____
(choose COMP 337, 345, 447, 449; MATH 330, or 437)		(outside major)
American Institutions Requirements: US History _____	State and Local Gov't _____	_____
(choose HIST 270, 271, 272, 275 or 350)		(choose POLS 150)
<i>Students must receive a grade of C or better in the Language and Multicultural Requirements</i>		
Language Requirement: GE C3a _____		
(one semester of college level language)		
Multicultural Requirement: GE C3b _____		
<i>Minimum total units to graduate: 121 of which 40 must be upper division. Please see catalog for a complete list of graduation requirements.</i>		
Advisor _____	Date Completed: _____	
Advisor Comments: _____		

***Lower Division Requirements** - Students entering this program are expected to have completed an associate's degree (or equivalent) in a technology area, including:

1. Statistics
2. One semester of a Laboratory science (Physics, Chemistry, or Biology).
3. First course in Java programming language.
4. First course in Computer Architecture and Assembly Language.
5. CSU GE Certification or courses fulfilling the CSUCI lower division general education requirements.
6. A minimum of 10 units of lower division coursework in a technology area (computer technology, electronics technology, manufacturing technology, engineering, computer science, etc.).

Students who have not completed these 60 units prior to their admission to the program will be required to complete them at CSUCI or a community college. Course substitutions for these requirements may be made with the approval of the program chair.