



California State University Channel Islands

Bachelor of Science

INFORMATION TECHNOLOGY

Advisement Form 2007-2008

Name _____ ID _____

Required Major Courses (51 units) 120 minimum units are required for graduation.

		Instit.	Course	Units	Grade	Term	Prerequisites, GE & comments
Core Courses (24 units)							
IT 151 Data Structures for IT	3						Prereq: COMP 150 or equivalent
IT 262 Computer Organization and Architecture for IT	3						Prereq: COMP 162
IT 280 Web Programming	3						Prereq: IT 151 and MATH 301
IT 362 Operating Systems for IT	3						Prereq: IT 262
IT 420 Database Theory and Design for IT	3						Prereq: MATH 301
IT 429 Computer Networks for IT	3						Prereq: 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>							
ART 324 Communication Design Technology: Web Design	3						Prereq: ART 204 and 205
ART 326 Digital Media Art: 3D Computer Animation	3						Prereq: ART 206 and 312 or consent of instructor
COMP 232 Programming Languages	3						Prereq: COMP 151 and 162
COMP 337 Survey of Computer Gaming	3						GE: B4, INTD
COMP/PHYS/MATH 345 Digital Image Processing	3						Prereq: Consent of instructor; GE: B1, B4 & INTD
COMP 350 Introduction to Software Engineering	3						Prereq: COMP 232 and 262
COMP 425 Computer Game Programming	3						Prereq: COMP 151
COMP 447 Societal Issues in Computing	3						Prereq: Senior standing; GE: B4, D & INTD
COMP/PSY 449 Human-Computer Interaction	3						Prereq: Programming experience or consent of instructor; GE: B4, E & INTD
COMP/MATH 452 Computational Bioinformatics	4						Prereq: Programming experience and statistics, or consent of instructor
IT 400 e-Commerce	3						Prereq: IT 280 and 420
IT 401 Web Intelligence	3						Prereq: IT 402
IT 402 Advanced IT Programming	3						Prereq: IT 280

Electives, cont.		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: IT 151 and MATH 301
IT 469 Artificial Intelligence and Neural Networks for IT	3						Prereq: IT 151 and MATH 301
IT 490 Special Topics for IT	3						Prereq: Senior standing in the BSIT program
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, INTD
MATH 437 Mathematics for Game Programming	3						Prereq: MATH 137 or 300 GE: B3, INTD
Capstone (5 units)							
MGT 471 Project Management	3						Prereq: MGT 307
IT 499 BSIT Capstone Project	2						Prereq: MGT 471 and senior standing in BSIT program.

Additional University Graduation Requirements

9 Units Upper Division Interdisciplinary GE at CSUCI (courses numbered 330-349 or 430-449)	
Course 1 (in major) _____	Course 2 (in major) _____
(may choose from COMP 337, 345, 447, 449; MATH 330, 437)	(Choose from GE A-E)
Course 3 (outside of major) _____	
(Choose from GE A-E)	
American Institutions Requirements: US History _____ State and Local Gov't _____	
(Choose from HIST 270, 271, 272, 275 or 350)	
<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: 120 of which 40 must be upper division. Please see catalog for a complete list of graduation requirements.</i>	
Advisor _____	Date Completed: _____
Advisor Comments: _____	
