

Degree Worksheet

2009-2010

PROGRAM/PLAN Bachelor of Science- Computer Science
SUB PLAN Computer Science

University minimum requirements 120 hours.

Total of 54 hours must be upper division level. 30 of the last 36 upper division semester hours must be completed at UHV.

	Coursework	Hrs. Req.	Remarks	Hrs. Earn
CORE CURRICULUM	ENGL 1301 Rhetoric & Composition	3		
	ENGL 1302 Composition, Research & Literature	3		
	HIST 1301 History of the United States thru 1877	3		
	HIST 1302 History of the United States from 1877	3		
	GOVT 2301 American Govt (Fed & State Const)	3		
	GOVT 2302 American Govt (Fed & State Topics)	3		
	Natural Sciences	11	Choose from biology, chemistry, geology, physics, or biophysical science. Must take 2 course w/labs.	
	Mathematics	3	College Algebra or equivalent	
	Social/Behavioral Sciences	3	ANTH, ECON, GEOG POLS, PSY or SOCI	
	Visual/Performing Arts	3	ARTS, MUSI, or DRAM	
	Humanities	3	ENG Literature, HUMA, PHIL	
Speech	3	SPCH 1311, 1315, 1318, 1321		
Computer Literacy	3	Introduction to Computers		
ADDITIONAL LD	COSC 1436 Programming Fundamentals I	4		
	COSC 1437 Programming Fundamentals II	4		
	MATH 2413 Calculus I	4		
	MATH 2414 Calculus II	4		

MAJOR PROGRAM	ENG 3430 Professional Writing	4		
	ISC 3317 Object Oriented Program & Design	3	Students may test out of course by passing the UHV programming proficiency exam. An equivalent, advanced course is substitutable with faculty approval to meet reqs.	
	ISC 3331 Data Structures & Algorithms I	3		
	ISC 3333 Data Structures & Algorithms II	3		
	ISC 4339 Telecommunications & Networks	3		
	MAS 3362 Discrete Structures	3		
CONCENTRATION	ISC 3332 Computer Organization and Architecture	3		
	ISC 4350 Information Security, Privacy & Ethics	3		
	MAS 3391 Probability and Statistics	3		
	ISC 4331 Structure of Programming Languages	3		
	ISC 4320 Software Engineering	3		
	ISC 4336 Database Systems	3		
	ISC 4337 Operating Systems	3		
ISC <u>OR</u> MAS	9	9 UD Semester Hours, Computer Science and/ or Math by advisement (excluding ISC 3325 and ISC 4305)		

MINOR / FREE ELECTIVES			Upper Division and/or Lower Division Minor and/or Free Electives. 54 semester hours of upper division courses.	

16-Dec-09

NOTES:

LD =Lower Division (Community College-Level: Freshman, 1000-level /Sophomore, 2000-level)

UD =Upper Division (University-Level: Junior, 3000-level /Senior, 4000-level)

s.h.= Semester Hours

***This document is an unofficial guide to your degree.
Please contact an advisor for an official degree plan.***