

# 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		
	Speech	3	SPCH 1311, 1315, 1318, 1321	
Computer Literacy	3	Introduction to Computers		
ADDITIONAL LD	COSC 1436 (Programming)	4		
	COSC 1437 (Advanced Programming)	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.	

10-Jul-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.***