

Degree Worksheet

2010-2011

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.

| | 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 | | |
| | PSCI 2305 American Govt. (Fed & State Const) | 3 | Or GOVT 2301 and GOVT 2302 | |
| | PSCI 2306 American Govt. (Fed & State Topics) | 3 | | |
| | Natural Sciences BIOL 1306/1406, BIOL 1307/1407, BIOL 1309, BIOL 1322, BIOL 2306/2406 | 11 | Or choose from BIOL, CHEM, GEOL, PHYS or Biophysical Science. Must have 2 courses with labs | |
| | Mathematics MATH 1314, MATH 1324, MATH 1325 | 3 | College Algebra or equivalent | |
| | Social/Behavioral Sciences PSYC 2301, CRIJ 1301 | 3 | Or choose from ANTH, ECON, GEOG POLS, PSYC or SOCI | |
| | Visual/Performing Arts DRAM 2366, COMM 1355 | 3 | Or choose from ARTS, MUSI, or DRAM | |
| | Humanities ENGL 2322, PHIL 1301, PHIL 1303 | 3 | Or choose from ENGL Literature, HUMA or PHIL | |
| | Speech SPCH 1315 | 3 | Or choose from SPCH 1311, 1318 or 1321 | |
| | Computer Literacy/Proficiency COSC 1301 | 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 | ENGL 3430 Professional Writing | 4 | | |
| | COSC 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. | |
| | COSC 3331 Data Structures & Algorithms I | 3 | | |
| | COSC 3333 Data Structures & Algorithms II | 3 | | |
| | COSC 4339 Telecommunications & Networks | 3 | | |
| | MATH 3362 Discrete Structures | 3 | | |
| CONCENTRATION | COSC 3332 Computer Org. & Architecture | 3 | | |
| | COSC 4350 Info. Security, Privacy & Ethics | 3 | | |
| | MATH 3391 Probability and Statistics | 3 | | |
| | COSC 4331 Structure of Programming Languages | 3 | | |
| | COSC 4320 Software Engineering | 3 | | |
| | COSC 4336 Database Systems | 3 | | |
| | COSC 4337 Operating Systems | 3 | | |
| | COSC OR MATH | 9 | 9 UD Semester Hours, Computer Science, Gaming, and/ or Math by advisement (excluding COSC 3325 and COSC 4305) | |
| MINOR / FREE ELECTIVES | | | Upper Division and/or Lower Division Minor and/or Free Electives. 54 semester hours of upper division courses. | |
| | | | | |
| | | | | |
| | | | | |

5-Oct-10

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.***

artssciences@uhv.edu

www.uhv.edu/asa