

**WESTERN NEW MEXICO UNIVERSITY**  
**Degree Plan - Computer Science (0798)**  
**Department of Mathematics and Computer Science**

Student Name: \_\_\_\_\_ SSN #: \_\_\_\_\_ Tel #: \_\_\_\_\_ Degree Type  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  BS  BA  
 Catalog Authority: 2005-06 Expected Completion: \_\_\_\_\_ Advisor: \_\_\_\_\_

**GENERAL EDUCATION & STUDENT SUCCESS REQUIREMENTS (46-49)**

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
<b>Oral Communications (3)</b>			<b>Fine Arts (6)</b>		
Pick one of the following: COMM 110, THR 211, THR 250			Pick one of the following: ART 211, MUSC 111, THR 110		
Course: _____ (3)	_____	_____	Course: _____ (3)	_____	_____

**Written Communications (6)**  
 ENGL 101 Comp & Rhetoric I (3) \_\_\_\_\_  
 ENGL 102 Comp & Rhetoric II (3) \_\_\_\_\_

Pick at least 3 hours from any of the following:  
 ART 101, 102, 103, 107, 205, 210, 221, 230, 241, 251, 261, 271  
 MUSC 100, 101, 119, 151  
 THR 136, 211, 215, 250  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_

**Mathematics (3 or 6)**  
 Pick one MATH course numbered 131 - 299, or Statistics  
or two MATH courses numbered below 131  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_

**History (3)**  
 Pick one course from the following:  
 HIST 111, 112, 201, 202  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_

**Laboratory Science (8)**  
 Pick two courses (plus labs) from the following:  
 CHEM 121, 151, 152                      GEOL 101, 102, 201  
 PHSC 101, 102, 131, 115, 171, 172    PHYS 151, 152, 171, 172  
 (Physical Science is required for this major)  
 Course: \_\_\_\_\_ (4) \_\_\_\_\_  
 Course: \_\_\_\_\_ (4) \_\_\_\_\_

**Computer Area (3)**  
 Pick either CMPS 110 or 111, or take a challenge exam.  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_

**Social and Behavioral Sciences (6)**  
 Pick two courses from separate disciplines from the following:  
 ANTH 201, 202      ECON 200, 201, 202      GEOG 202, 205  
 POLS 201            PSY 102      SOC 101, 102  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_

**Physical and Mental Well-Being Area (2)**  
 Lifetime Wellness Activity - Pick one of the following:  
 MVSC 103, 105, 109, 127, 157  
 Course: \_\_\_\_\_ (1) \_\_\_\_\_

**Humanities (3)**  
 Pick one of the following:      ENGL 200, 201, 205, 225, 240,  
    ENGL 265, 293, 294, 296, 297  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_

Activity Course - Select one additional activity course  
 numbered MVSC 103 - 157  
 Course: \_\_\_\_\_ (1) \_\_\_\_\_  
 Other service: \_\_\_\_\_  
    (military, sports, police academy)

**Student Success Seminar**  
 ACAD 101 Student Success      (3) \_\_\_\_\_

**Other Required Courses (8-11 credit hours)**

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
MATH 171 Calculus I	(5)	_____
MATH 243 Discrete Math	(3)	_____
MATH 321 Statistics*	(3)	_____

\*If not taken as Gen'l Ed Math

**BS Requirement (6 credits minimum)**  
 MATH 172 Calculus II      (4) \_\_\_\_\_  
 MATH 271 Calculus III      (4) \_\_\_\_\_

**OR**      **BA Requirement (3 credits minimum)**  
 Completion of one of the following: SPAN 202, SPAN 252,  
 SPAN 214 or any upper level Spanish course.  
 Course: \_\_\_\_\_ (3) \_\_\_\_\_

## Degree Plan - Computer Science Major

### COMPUTER SCIENCE CORE REQUIREMENTS (21 Minimum)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
CMPS 140 Intro to Comp Sci* (3)	_____	_____	CMPS 320 Architect./Assembly (3)	_____	_____
CMPS 170 Comp Prog Fundmni (3)	_____	_____	CMPS 330 Platform Indep Prog (3)	_____	_____
CMPS 240 Problem Solving (3)	_____	_____	CMPS 350 Data Structures (3)	_____	_____
CMPS 263 Databases (3)	_____	_____	CMPS 496 Sr Project & Semina (3)	_____	_____

\* May be waived for students with the proper background.

### GUIDED ELECTIVE COURSES (12 credit hours minimum)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
CMPS 323 Progr. Languages (3)	_____	_____	CMPS 415 Adv Cncpts Databs (3)	_____	_____
CMPS 354 Network & Comm (3)	_____	_____	CMPS 420 Operating Systems (3)	_____	_____
CMPS 370 Appl Develop. Tech (3)	_____	_____	CMPS 430 Computer Graphics (3)	_____	_____
CMPS 410 Anal of Algorithms (3)	_____	_____	CMPS 450 Adv Obj Orientd Prc (3)	_____	_____

### MINOR DEGREE COURSES (18-24 hours outside the Computer Science discipline)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
Course: _____ ( )	_____	_____	Course: _____ ( )	_____	_____
Course: _____ ( )	_____	_____	Course: _____ ( )	_____	_____
Course: _____ ( )	_____	_____	Course: _____ ( )	_____	_____
Course: _____ ( )	_____	_____	Course: _____ ( )	_____	_____

### ADDITIONAL COURSES (to fulfill the 128 hour requirement)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
Course: _____ ( )	_____	_____	Course: _____ ( )	_____	_____
Course: _____ ( )	_____	_____	Course: _____ ( )	_____	_____
Course: _____ ( )	_____	_____	Course: _____ ( )	_____	_____
Course: _____ ( )	_____	_____	Course: _____ ( )	_____	_____
Course: _____ ( )	_____	_____	Course: _____ ( )	_____	_____

**Total Upper Division Hours (54 minimum required):** \_\_\_\_\_

(6 hours must be outside of major and minor disciplines)

**Total Writing Intensive Course Hours (minimum of 12 required):** \_\_\_\_\_

**Total Hours (128 minimum required):** \_\_\_\_\_ **Copy to Registrar on (date):** \_\_\_\_\_

**Original completed on (date):** \_\_\_\_\_ **Grad. Audit sent on (date):** \_\_\_\_\_

**Updated on (date):** \_\_\_\_\_

**Student Signature:** \_\_\_\_\_

**Advisor Signature:** \_\_\_\_\_