

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

Student Name: _____ ID #: _____ Tel #: _____ Degree Type
 Address: _____ Email: _____ BS BA
 Catalog Authority: 2009-10 Expected Completion: _____ Advisor: _____

GENERAL EDUCATION REQUIREMENTS (41)*

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
------------------------	-----------------	--------------

Area I - Oral Communications (3)

Pick one of the following: COMM 110, THR 250

Course: _____ (3) _____
 or Transfer: TGE (COMM 175)

Area I - Written Communications (6)

ENGL 101 Comp & Rhetoric I (3) _____
 ENGL 102 Comp & Rhetoric II (3) _____
 or Transfer: TGE (ENGL 175) for ENGL 102 only

Area II - Mathematics (3)

MATH 105, 106, 121, 131, 132 or 171
 Course: _____ () _____
 or Transfer: TGE (MATH 175)

Area III - Laboratory Science (8)

Pick two courses (plus labs) from the following:
 BIOL 101, 102, 202, 204, 206, CHEM 121, 151, 152
 BIOL 254, 255, PHSC 101, 102, 115, 171
 GEOL 101, 102, 201, PHYS 151, 152, 171, 172
 Course: _____ (4) _____
 Course: _____ (4) _____
 or TGE (BIOL 175, CHEM 175, GEOL 175, PHSC 175, PHYS 175)

Area IV - Social and Behavioral Sciences (6-9)**

Pick 2-3 courses from different groups of the following:
 1) ANTH 201, 202; GEOG 201, 202, 205 2) CJUS 111
 3) ECON 201, 202 4) POLS 201, 202 5) PSY 102 6) SOC 101, 102
 Course: _____ (3) _____
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer TGE (ANTH 175, ECON 175, GEOG 175, POLS 175,
 PSY 175, SOC 175)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
------------------------	-----------------	--------------

Area V - Humanities and Fine Arts (9-12)**

Pick 3-4 courses from at least 3 separate categories below:

1) History HIST 111, 112, 201, 202
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer: TGE (HIST 175)

2) Literature
 ENGL 200, 201, 205, 225, 240, 265, 293, 294, 296, 297
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer: TGE (ENGL 275)

3) Aesthetics (Art, Music, Theater)
 ART 211, MUSC 111, 119, THR 110, 136, 211
 Course: _____ () _____
 Course: _____ () _____
 or Transfer: TGE (ART 175, MUSC 175, THR 175, HUM 175)

4) Philosophy PHIL 100, 101, 200
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer: TGE (PHIL 175)

Computer Literacy (3)

Pick either CMPS 110 or 111, or take a challenge exam.
 Course: _____ (3) _____
 or Transfer: TGE (CMPS 175)

* Includes 35 hours of the NM Common Core plus 6 additional WNMU hours

** The total credits from Area IV and Area V must be 18 hours.

Note: TGE = Transferred General Education courses listed by HED or other transfer agreements, but with no WNMU equivalent

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

SUPPORTING COURSEWORK (19 credit hours)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
MATH 171 Calculus I	(5)	_____	Physical Sci:	(4)	_____
MATH 243 Discrete Math	(3)	_____	Physical Sci:	(4)	_____
MATH 321 Statistics	(3)	_____	(CHEM, GEOL, PHYS or PHSC with lab - may count for Gen'l Ed)		

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 Fundmnt	(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 & Seminar	(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 Pro	(3)	_____

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

Minor: _____ Number of Credits: _____
 (attach degree plan worksheet for your minor, with course details)

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: _____ ()	_____	_____

Student Success Seminar: ACAD 101 (3 credits) Sem/Year: _____ Grade: _____

Upper Division Hours (54 minimum): _____ **Writing Intensive Hours (12 minimum):** _____
 (6 hours must be outside of major and minor disciplines)

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

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

Updated on (date): _____

Student Signature: _____ date: _____

Advisor Signature: _____ date: _____