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: 2012-13 Expected Completion:_____ Advisor:_____

GENERAL EDUCATION REQUIREMENTS (41)*

Course(Credits) Sem/Year Grade

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 212, 254, 255 PHSC 101, 115, 171

GEOL 101, 102, 105, 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, 212/214; GEOG 201, 202, 205

2) ECON 200, 201, 202 3) POLS 201, 202

4) PSY 102 5) SOC 101, 102, CJUS 111, SWK 101

Course:_____ (3) _____ _____

Course:_____ (3) _____ _____

Course:_____ (3) _____ _____

or Transfer TGE (ANTH 175, ECON 175, GEOG 175, POLS 175, PSY 175, SOC 175)

Course(Credits) Sem/Year Grade

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, 241, 261; 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)

Technology Literacy (3)

CMPS 110, CMPS 111, IDEA 110, 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)

Course(Credits)	Sem/Year	Grade	Course(Credits)	Sem/Year	Grade
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 (13 credit hours)

Course(Credits)	Sem/Year	Grade	Course(Credits)	Sem/Year	Grade
CMPS 170 Computer Program I (3)			CMPS 493 Sr Project Proposal (1)		
CMPS 240 Computr Program II (3)			CMPS 496 Sr Project & Seminar (3)		
CMPS 263 Database Des/Imp I (3)					

GUIDED ELECTIVE COURSES (24 credit hours minimum)

Course(Credits)	Sem/Year	Grade	Course(Credits)	Sem/Year	Grade
CMPS 300 Softwr Qual Assur (3)			CMPS 410 Anal of Algorithms (3)		
CMPS 320 Architect./Assembly (3)			CMPS 415 Database Des/Imp II (3)		
CMPS 323 Program Languages (3)			CMPS 420 Operating Systems (3)		
CMPS 330 Web Appl Progrmg (3)			CMPS 430 Computer Graphics (3)		
CMPS 350 Data Structures (3)			CMPS 435 e-Commerce (3)		
CMPS 354 Network & Comm (3)			CMPS 450 Softwr Engineering (3)		
CMPS 362 Systm Anal/Design (3)			CMPS 470 Topics in CMPS (3)		
CMPS 370 Appl Develop. Tech (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)

Course(Credits)	Sem/Year	Grade	Course(Credits)	Sem/Year	Grade
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: _____