

WESTERN NEW MEXICO UNIVERSITY
Degree Plan - Chemistry Major (1905)
Department of Natural Sciences

Student Name: _____ ID #: _____ Tel #: _____ Degree Type
 Address: _____ Email: _____ ☐ BS
 (complete - incl street, city, state, zip) _____ ☐ BA
 Catalog Authority: 2019-20 Expected Completion: _____ Advisor: _____

Deadline for Application for Graduation: June 1st for Fall; September 1st for Spring; February 1st for Summer.

GENERAL EDUCATION REQUIREMENTS (31)

Applied Liberal Arts and Sciences (9)

	Sem/Year	Grade
ALAS 1810 Applied Liberal Arts & Sciences - Humanities	(3)	_____
ALAS 1820 Applied Liberal Arts & Sciences - Social/ Behav Sciences	(3)	_____
ALAS 1830 Applied Liberal Arts & Sciences - STEM	(3)	_____

Area I - Communications (6) ¹ **ENGL 1110 Pre-requisite/Co-req**

ENGL 1120 Composition II ¹
 COMM 1130 Public Speaking
 COMM 1140 Intro to Media Writing
 COMM 2140 Small Group Communication
 Course: _____ (3) _____
 Course: _____ (3) _____

Area II - Mathematics (3-5) ² **BCIS 1110 is Pre-requisite/Co-req**

MATH 1010 Mathematics for School Teachers
 MATH 1130 Survey of Mathematics ²
 MATH 1220 College Algebra ²
 MATH 1350 Intro to Statistics ²
 MATH 1510 Calculus I ²
 Course: _____ () _____

Area III - Science (4)

Pick **one** course (plus lab) from the following:
 BIOL 1110/1110L General Biology & Lab
 BIOL 1140/1140L5 Biology for Health Sciences & Lab
 BIOL 2110/2110L Principles of Biology: Cell/Molecular & Lab
 BIOL 2210/2210L Human Anatomy & Physiology I & Lab
 BIOL 2642/2642L Plant Form, Function and Diversity & Lab
 BIOL 2644/2644L Animal Form, Function and Diversity & Lab
 CHEM 1120/1120L Intro to Chemistry & Lab
 CHEM 1215/1215L General Chemistry I for STEM Majors & Lab
 GEOL 1110/1110L Physical Geology & Lab
 GEOL 1120/1120/L Environmental Geology & Lab
 GEOL 2110/2110L Historical Geology & Lab
 PHSC 1120/1120L Forensic Science I & Lab
 Course: _____ (4) _____

BS Requirement (6)

BCIS 1110 Fund of Info Lit/Syst (3) _____
 MATH 1350 Intro to Statistics (3) _____
 Course: _____ () _____

Area IV - Social and Behavioral Sciences (3)

ANTH 1140 Intro to Cultural Anthropology
 ECON 1110 Survey of Economics
 ECON 2110 Macroeconomic Principles
 ECON 2120 Microeconomic Principles
 GEOG 1120 World Regional Geography
 GEOG 1130 Human Geography
 POLS 1110 Intro to Political Science
 POLS 1120 American National Government
 PSYC 1110 Intro to Psychology
 SOCI 1110 Intro to Sociology
 SOCI 2310 Contemporary Social Problems
 Course: _____ (3) _____

Area V - Humanities (3)

ENGL 1410 Intro to Literature
 ENGL 2310 Intro to Creative Writing
 HIST 1110 United States History I
 HIST 1120 United States History II
 HIST 1150 Western Civilization I
 HIST 1160 Western Civilization II
 PHIL 1115 Intro to Philosophy
 Course: _____ (3) _____

Area VI - Creative & Fine Arts (3-4)

ARTS 1250 Design II
 ARTS 1410 Intro to Photography
 ARTS 1610 Drawing I
 ARTS 1630 Painting I
 ARTS 2321 Appreciation of Clay
 ARTS 2841 Appreciation of Sculpture
 MUSC 1130 Music Appreciation
 Course: _____ () _____

OR BA Requirement (3 credits minimum)

Complete any upper division Spanish course, or one of the following: SPAN 2120, BLED 431 or CLEP for four semesters of Spanish.
 Course: _____ (3) _____
 Course: _____ (3) _____

Degree Plan - Chemistry Major

SUPPORTING COURSEWORK (24 credit hours)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
Select one of the following groups of lab science courses. May fulfill General Education Lab Science requirement.					
PHYS 1230/1230L & 1240/1240L Algebra-based Physics I & II			Course: _____	(4) _____	_____
or PHYS 1310/1310L & 1320/1320L Calculus-based Physics I & II			Course: _____	(4) _____	_____
MATH 1220 College Algebra*	(4) _____	_____	MATH 1510 Calculus I	(5) _____	_____
MATH 1230 Trigonometry*	(3) _____	_____	MATH 1520 Calculus II	(4) _____	_____

* One course may count as General Education Mathematics.

CHEMISTRY CORE REQUIREMENTS (43 credit hours incl. labs)

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
CHEM 1215/1215L Gen Chem I*	(4) _____	_____	CHEM 351/353 Organic Chem I	(5) _____	_____
CHEM 1225/1225L Gen Chem II*	(4) _____	_____	CHEM 352/354 Organic Chem II	(5) _____	_____
CHEM 2307/2307L Analytical Chem	(4) _____	_____	CHEM 401/403 Physcial Chem I	(4) _____	_____
CHEM 301 Instrum Analysis	(4) _____	_____	CHEM 402/404 Physcial Chem II	(4) _____	_____
CHEM 308 Inorganic Chemistry	(3) _____	_____	CHEM 460 Biochemistry I	(3) _____	_____
*May count as General Education Lab Science.			CHEM 490 Research Proj.	(3) _____	_____

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

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

ADDITIONAL COURSES (to fulfill the 120 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: _____ () _____		

Service Learning 3 credits: _____ Sem/Year: _____ Grade: _____

Upper Division Hours (42 minimum): _____ Writing Intensive Hours (9 minimum): _____

Total Hours (120 minimum required): _____ Copy to Registrar: _____ date: _____

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

Updated: _____

Student Signature: _____ date: _____

Advisor Signature: _____ date: _____