

WESTERN NEW MEXICO UNIVERSITY

Degree Plan - Chemistry Major (1905)

Department of Natural Sciences

Student Name: _____ ID #: _____ Tel #: _____ Degree Type

Address: _____ Email: _____ ☐ BS

Catalog Authority: 2020-21 Expected Completion: _____ Advisor: _____ ☐ BA

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

GENERAL EDUCATION REQUIREMENTS (31)

AA or AS earned within New Mexico: YES _____ NO _____ If earned, then General Education is complete.

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
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Applied Liberal Arts and Sciences (9)

ALAS 1810 Humanities	(3)	_____	ALAS 1830 STEM	(3)	_____
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ALAS 1820 Social/ Behav Sci.	(3)	_____			
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Area I - Communications (6) ¹ ENGL 1110 Pre-requisite/Co-req

ENGL 1120 Composition II ¹	(3)	_____			
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COMM 1130 Public Speaking					
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COMM 1140 Intro to Media Writing					
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COMM 2140 Small Group Communication					
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Course: _____	(3)	_____			
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Area II - Mathematics (3-5) ² BCIS 1110 is Pre-requisite/Co-req

MATH 1010 Mathematics for School Teachers					
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MATH 1130 Survey of Mathematics ²					
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MATH 1220 College Algebra ²					
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MATH 1350 Intro to Statistics ²					
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MATH 1510 Calculus I ²					
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Course: _____	()	_____			
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Area III - Science (4)

Pick **one** course (plus lab) from the following:

BIOL 1110/1110L General Biology & Lab					
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BIOL 1140/1140L5 Biology for Health Sciences & Lab					
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BIOL 2110/2110L Principles of Biology: Cell/Molecular & Lab					
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BIOL 2210/2210L Human Anatomy & Physiology I & Lab					
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BIOL 2642/2642L Plant Form, Function and Diversity & Lab					
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BIOL 2644/2644L Animal Form, Function and Diversity & Lab					
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CHEM 1120/1120L Intro to Chemistry & Lab					
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CHEM 1215/1215L General Chemistry I for STEM Majors & Lab					
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GEOL 1110/1110L Physical Geology & Lab					
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GEOL 1120/1120L Environmental Geology & Lab					
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GEOL 2110/2110L Historical Geology & Lab					
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PHSC 1120/1120L Forensic Science I & Lab					
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Course: _____	(4)	_____			
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Area IV - Social and Behavioral Sciences (3)

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

ENGL 1410 Intro to Literature					
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ENGL 2310 Intro to Creative Writing					
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HIST 1110 United States History I					
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HIST 1120 United States History II					
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HIST 1150 Western Civilization I					
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HIST 1160 Western Civilization II					
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PHIL 1115 Intro to Philosophy					
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Course: _____	(3)	_____			
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Area VI - Creative & Fine Arts (3-4)

ARTS 1250 Design II					
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ARTS 1410 Intro to Photography					
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ARTS 1610 Drawing I					
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ARTS 1630 Painting I					
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ARTS 2321 Appreciation of Clay					
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ARTS 2841 Appreciation of Sculpture					
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MUSC 1130 Music Appreciation					
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Course: _____	()	_____			
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BS Requirement (6)

BCIS 1110 Fund of Info Lit/Syst	(3)	_____			
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MATH 1350 Intro to Statistics	(3)	_____			
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OR BA Requirement (3 credits minimum)

Complete any upper division Spanish course, or one of the following: SPAN 2120, 303, BLED 431 or CLEP for four semesters or CLEP for four semesters of Spanish

Course: _____	(3)	_____			
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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 Chm II	(5) _____	_____
CHEM 2307/2307L Analytcl Cher	(4) _____	_____	CHEM 401/403 Physcl Chem I	(4) _____	_____
CHEM 301 Instrum Analysis	(4) _____	_____	CHEM 402/404 Physcl Chem II	(4) _____	_____
CHEM 308 Inorganic Chemistry	(3) _____	_____	CHEM 460 Biochemistry I	(3) _____	_____
			CHEM 490 Research Proj.	(3) _____	_____

*May count as General Education Lab Science.

MINOR DEGREE COURSES

(18-24 hours outside the Chemistry discipline)

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

Number of Credits: _____

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 credits required: _____ Copy to Registrar: date: _____

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

Updated: _____

Student Signature: _____ date: _____

Advisor Signature: _____ date: _____