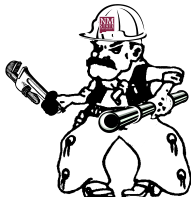




2015-2016 BSCHE Chemical Engineering Curriculum (chme.nmsu.edu)

										total cr hrs 134					
freshman	ENGR 100 Intro to Engr	3	 				MATH 191 ✦ Calculus I	4	CHEM 115 ★ Inorganic Chem I	4	Area IV or V	3	ENGL 111G ✦ Rhetoric/Composition	4	18
	CHME 102 Material Balances	3					MATH 192 Calculus II	4	CHEM 116 ★ Inorganic Chem II	4	PHYS 215 +L Engr Physics I	4	ENGL 218G ✦ Technical Writing	3	18
sophomore	CHME 201 Energy Balances	3					MATH 291 Calculus III	3	CHEM 313 Organic Chem I	3	PHYS 216 +L Engr Physics II	4	COMM 265G ✦ Oral Communication	3	16
	CHME 301 Thermodynamics I	3	CHME 305 Fluid Flow	3	CHME 311 Engr Data Analysis	3	CHME 392 Numerical Methods	3	CHEM 314 Organic Chem II	3	CHEM 315 Organic Chem Lab	2		17	
junior	CHME 302 Thermodynamics II	2	CHME 306 Heat/Mass Transfer	4	CHME 323L Transport/Instrument Lab	1	CHME 302L Physical Props	1	CHEM 433 Physical Chem	3	BIOL 211G Cell/Organism Bio	3	Area IV Social/Behavioral	3	17
	CHME 441 Chem Reaction Engr	3	CHME 307 Staged Operations	3	CHME 324L Unit Ops Lab I	1	CHME 352L Unit Ops Simulation	1	CHME 361 Engr Materials	3	Natl Sci/Engr Natl Sci/Eng Elective	3	Area IV Social/Behavioral	3	17
senior	CHME 452 Engr Economics	3	CHME 412 Dynamics/Control	3	CHME 423L Unit Ops Lab II	1	CHME 452L Process Simulation	1	CHME 448 Industrial Safety	3	CHME Elec Chem Engr Elective	3	Area V Humanities/Arts	3	17
	CHME 455 Chem Plant Design	3	May 2014 NMSU BSCHE average starting salary = \$78K		CHME 424L Dynamics/Control Lab	1	CHME 455L Plant Simulation	1	VWW View a Wider World	3	CHME Elec Chem Engr Elective	3	Area V Humanities/Arts	3	14

Courses in this template are ordered to assure prerequisite and corerequisite courses are satisfied. Students who take courses in an order that differs from this template are responsible to consult an advisor about the consequences of failing to complete some courses in the timeframe shown, particularly those courses in the core CHME curriculum and the associated science fundamentals. Detailed prerequisite requirements for all courses can be found in the NMSU Undergraduate Catalog in the Course Descriptions section. A CHME prerequisite map is found on chme.nmsu.edu at /Academics/Undergraduate/.

3 credits of the VWW institutional requirement are satisfied by 9-credit hour rule (CHEM 313, 314, and 433 found in the "required courses" section of the undergraduate catalog.

Chemical Engr

Fundamental Sci

Mathematics

Engineering

Communication

VWW

General Educ