

2019-2020 Combined BSCHE/MBA Curriculum (chme.nmsu.edu)

total credits = 157

	♦ Area I		✦ Area II		★ Area III										
freshman	CHME 101 Intro CHME calcs	2	General Educ Area V Humanities	3	ENGL 111G ♦ Rhetoric/Composition	4	MATH 191G ✦ Calculus I	4	CHEM 115★ Inorganic Chem I	4	17				
	CHME 102 Material Balances	2		ENGL 218G ♦ Technical Writing	3	MATH 192G Calculus II	4	CHEM 116★ Inorganic Chem II	4	PHYS 215 +L Engr Physics I		4	17		
sophomore	CHME 201 Energy Balances	3		Area Ic ♦ Oral Communication	3	MATH 291G Calculus III	3	CHEM 313 Organic Chem I	3	PHYS 216 +L Engr Physics II	4	16			
	CHME 303 Thermodynamics	4	CHME 305 Fluid Flow	3	IE 311 Engr Data Analysis	3	MATH 392 Differential Eqns	3	CHEM 314 Organic Chem II	3	CHEM 315 Organic Chem Lab	2	18		
junior	CHME 361 Engr Materials	3	CHME 306 Heat/Mass Transfer	4	CHME 323L Transport/Instrument Lab	1	CHME 392 Numerical Methods	3	CHEM 433 Physical Chem	3	IE 365 Quality Control	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	ECON 251G Area IV Social/Behavioral	3	ACCT 221 Financial Acct	3	14		
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	ACCT 222 Management Acct	3	MGT 512 Quantitative Analysis for Business Decisions	3	17
	CHME 455 Chem Plant Design	3	General Educ Area VI Creative/Fine Art	3	CHME 424L Dynamics/Control Lab	1	CHME 455L Plant Simulation	1	CHME Elective Approved Elective	3	ECON 503 Managerial Economics	3	MKTG 503 Marketing Management	3	17
MBA Summer	NOTES: (1) Courses are ordered to assure prerequisite and corerequisites are satisfied. Students who take courses in an order that differs from this template are responsible to consult advise about the consequences of failing to complete 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. (2) Prerequisites for entry into the MBA program are shown above with credit hr requirements in lavender. (3) The VWW institutional requirement is satisfied by the 9-credit hour rule. (4) CHME 452 substitutes for FIN 341, and CHME 455 fulfills an MBA elective requirement.								summer	ACCT 503 Acct for Managers	3	MGT 502 Operations Management	3	6	
MBA Reg term									fall	MGT 503 Organizational Behavior and Management Processes	3	FIN 503 Financial Management	3	6	
MBA									spring	BLAW 502 Legal Env of Business	3	BCIS 502 Business Info Systems	3	6	
MBA final term									summer	MGT 590 Strategic Management	3	B A 590 Professional Paper/Pres	3	6	



Chemical Engr	Fundamental Sci	Mathematics	Engineering	Communication	General Educ	MBA MBA Prereqs
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