

Chemistry Major - Research & Industry Concentration - Bachelor of Science

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	FIRST YEAR-SEMESTER #	<u>1</u>	FIRST YEAR- SEMESTER	<u>#2</u>	UNIVERSITY
	BIO 111 Principles of Biology I	4	CHE 112 General Chemistry II	3	COMMON G
	BIO 111A Prin. of Biology I Lab	0	CHE 112A Gen. Chem II Lab	1	CORE 115 Common Grou
	BIO 111R Prin. of Bio I Recitation	n 0	CHE 112R Gen. Chem. I Rec	0	Justice & the Common Go
	CHE 111 General Chemistry I	3	MTH 194 Calculus II	4	Ethics
	CHE 111A Gen. Chem. I Lab	1	COM 100/ ENG 101	3	Experiential Learning
	CHE 111R Gen. Chem. I Rec	0	SOC 103 Our Social World	3	Core Capstone
	MTH 193 Calculus I	4	Core requirement	3	HUMANIT
	CORE 115 Common Ground	3	_		Speech (COM 100)
					Writing (ENG 101)
	SECOND YEAR-SEMESTER	#1	SECOND YEAR-SEMESTER	<u> 2 #2</u>	Literature (ENG)
	CHE 211 Organic Chemistry I	3	CHE 212 Organic Chemistry II	3	Art or Music
	CHE 211A Organic Chem I Lab	1	CHE 212A Organic Chem II Lab	1	History
	PHY 201 General Physics I	3	CHE 200 Chem. Soph. Seminar	1	Religious Studies
	PHY 201A Gen. Physics I Lab	1	PHY 202 General Physics II	3	Philosophy
	CED 220 Foundations of		PHY 202A Gen. Physics II Lab	1	SCIENCE
	Professionalism	1	Core requirement	3	Biology/Chemistry/Physic
	COM 100/ENG 101	3	Core requirement	3	Mathematics
	Core requirement	3	_		SOC 103 Our Social Worl
	THIRD YEAR-SEMESTER #	<u>#1</u>	THIRD YEAR-SEMESTER	<u>#2</u>	
	CHE 314 Inter. Analytical Chem	3	CHE 315 Instrumental Analysis	3	Choose one dis
	CHE 314A Inter. Analytical		CHE 315A Instrum. Analysis Lab	1	ECO 212 Microeconomics
	Chem Lab	1	CHE 360 Intermed. Inorg. Chem	3	PSY 103 Psychology
	CHE 325 Biochemistry I	3	CHE 360A Int Inorganic Lab	1	,
	CHE 325A Biochem. I Lab	1	CHE 300 Chem. Junior Seminar	1	<u>NOTES</u>
	Core requirement	3	Core requirement	3	Prerequisites:
	Core requirement	3	Core requirement	3	Chemistry- College prepar
	Core requirement	3			chemistry or the successfu
					placement test.
	FOURTH YEAR-SEMESTER	#1	FOURTH YEAR-SEMESTER	<u>k #2</u>	Math- Three years of colle
	CHE 350 Physical Chemistry I	3	CHE 355 Physical Chem. II	3	high school mathematics in
	CHE 350A Phys. Chem I Lab	1	CHE 355A Phys. Chem II Lab	1	functions.
	CHE 390 Research Problems in		CHE 400 Chem. Seminar &		functions.
	Chemistry	1	Capstone	1	120 credit hours minimum
	Elective	3	Core Capstone	3	graduate
	Elective	3	Elective	3	graduate
	Elective	3	Elective	3	*Students must have an ap
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The Research and Industry Concentration will prepare students to work in many different laboratory settings (eg. private, academic, and government labs). This concentration is also excellent preparation for PhD programs in multiple fields (eg. chemistry, biochemistry, chemical engineering, and biomedical engineering).

UNIVERSITY CORE						
COMMON GOOD						
CORE 115 Common Ground	Code COR					
Justice & the Common Good	Code JCG					
Ethics	Code CE					
Experiential Learning	Code EXP					
Core Capstone	Code CCP					
HUMANITIES						
Speech (COM 100)	Code C					
Writing (ENG 101)	Code C					
Literature (ENG)	Code CL					
Art or Music	Code CAM					
History	Code CH					
Religious Studies	Code CR					
Philosophy	Code CP					
SCIENCES						
Biology/Chemistry/Physics + Lab Code CN						
Mathematics	Code CMA					
SOC 103 Our Social World	Code CS					
Choose one discipline:						
ECO 212 Microeconomics	Code CEP					
PSY 103 Psychology	Code CEP					

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tudents must have an appropriate math placement before enrolling in MTH 193 and CHE 111.

Curriculum Guide does not replace advising by a faculty member within the Chemistry program