

**Chemistry Major
Concentration VI: Chemistry/ Business Program***

Also consider Conc V: General Program in Chemistry with a General Business Minor (Declaring a Business Minor makes enrolling in COB courses easier)

Core Requirements for All Concentrations¹:

_____	CHEM 131	General Chemistry I	(F,Sp,Su)	3
_____	CHEM 132	General Chemistry II	(Sp,Su,F)	3
_____	CHEM 135L ²	Special General Chemistry Lab I	(F)	1
_____	CHEM 136L ²	Special General Chemistry Lab II	(Sp)	2
_____	CHEM 241	Organic Chemistry I	(F)	3
_____	CHEM 242	Organic Chemistry II	(Sp)	3
_____	CHEM 270	Inorganic Chemistry I	(Sp)	3
_____	CHEM 287L	Integrated Inorganic/Organic Lab I	(F)	2
_____	CHEM 288L	Integrated Inorganic/Organic Lab II	(Sp)	2
_____	CHEM 331	Physical Chemistry I	(Sp)	3
_____	CHEM 336L	Applied Physical Chemistry Laboratory	(Sp)	2
_____	CHEM 351	Analytical Chemistry	(F)	4
_____	CHEM 361	Biochemistry I	(F,Sp)	3
_____	CHEM 481	Literature and Seminar I	(F)	1
_____	CHEM 482	Literature and Seminar II	(Sp)	1
_____	MATH 235 ³	Calculus I	(F,Sp,Su)	4
_____	MATH 236	Calculus II	(F,Sp,Su)	4
_____	PHYS 240	University Physics I	(F,Sp)	3
_____	PHYS 250	University Physics II	(Sp,F)	3
_____	PHYS 240L	University Physic Lab I	(F)	1
_____	PHYS 250L	University Physics Lab II	(Sp)	1
				<u>50</u>

Additional Chemistry/Business Program Requirements¹:

_____	CHEM 336L	Applied Physical Chemistry Laboratory	(Sp)	2
_____	ACTG 244	Accounting for Non-Business Majors	(F, Sp)	3
_____	CIS 204	Computer Information Systems	(F, Sp)	3
_____	ECON 201	Introduction to Microeconomics	(F, Sp)	3
_____	ECON 200	Introduction to Macroeconomics	(F, Sp)	3
_____	FIN 345	Finance Fundamentals,Non-Bus Majors	(F, Sp)	3
_____	MATH 220	Elementary Statistics	(F, Sp)	3
_____	MGT 305	Management & Organizational Behav.	(F, Sp)	3
_____	MKTG 380	Principles of Marketing	(F, Sp)	3
_____		Upper division chemistry &/or approved science electives		
		&/or COB ⁵ elective		<u>5</u>
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¹These courses may NOT be taken credit / no credit

²CHEM 131L and 132L (2 credits) may substitute for 135L and 136L

³MATH 231 and 232 (6 credits) may substitute for MATH 235

⁴COB 218 Legal Environment of Business is a suggested elective. Although business electives may be taken by students in this concentration, the total number of business credit hours may not exceed 27.

Electives

The well-prepared student is encouraged to take as many of the additional departmental offerings as possible as electives with particular attention being given to junior and/or senior research projects.

	<u>Credits</u>
⁴ COB 218 Legal Environment of Business (F,Sp)	3
CHEM 280 Altern Lower-Div Chem Experience (V)	1-4
CHEM 315 Instructional Experiences (F,Sp)	1
CHEM 325 Chemical Hazards and Lab Safety (F odd)	1
CHEM 353 Environmental Chemistry (Sp,odd)	3
CHEM 354 Environmental Chemistry Field Camp(Su)	3
CHEM 355 Geochemistry of Natural Waters (F)	3
CHEM 362 Biochemistry II (Sp)	3
CHEM 366L Biochemistry Laboratory (Sp)	2
CHEM 375 Intro to Material Science (F)	3
CHEM 390 Problems in Chemistry (F,Sp)	1-3
CHEM 395 Perspectives in Chem (Industry/Gov't) (F)	1
CHEM 440 Intermediate Organic Chemistry (F even)	3
CHEM 445 Polymer Chemistry (F odd)	3
CHEM 445L Polymer Chemistry Lab (F,odd)	1
CHEM 450 Nuclear and Radiation Chemistry (Sp even)	3
CHEM 450LNuclear & Radiation Chemistry Lab (Sp even)	1
CHEM 455 Lasers & Applications to Phys Sci (F)	3
CHEM 470 Inorganic Chemistry II (F)	3
CHEM 480 Selected Topics in Chemistry (V)	1-4
CHEM 497 Undergrad Chemical Research (F,Sp)	2-4
CHEM 499 Honors (F,Sp)	6

(F = Fall, Sp = Spring, Su = Summer, V = varied, all are subject to change)

*It is the student's responsibility to meet any required co- or pre- requisites.