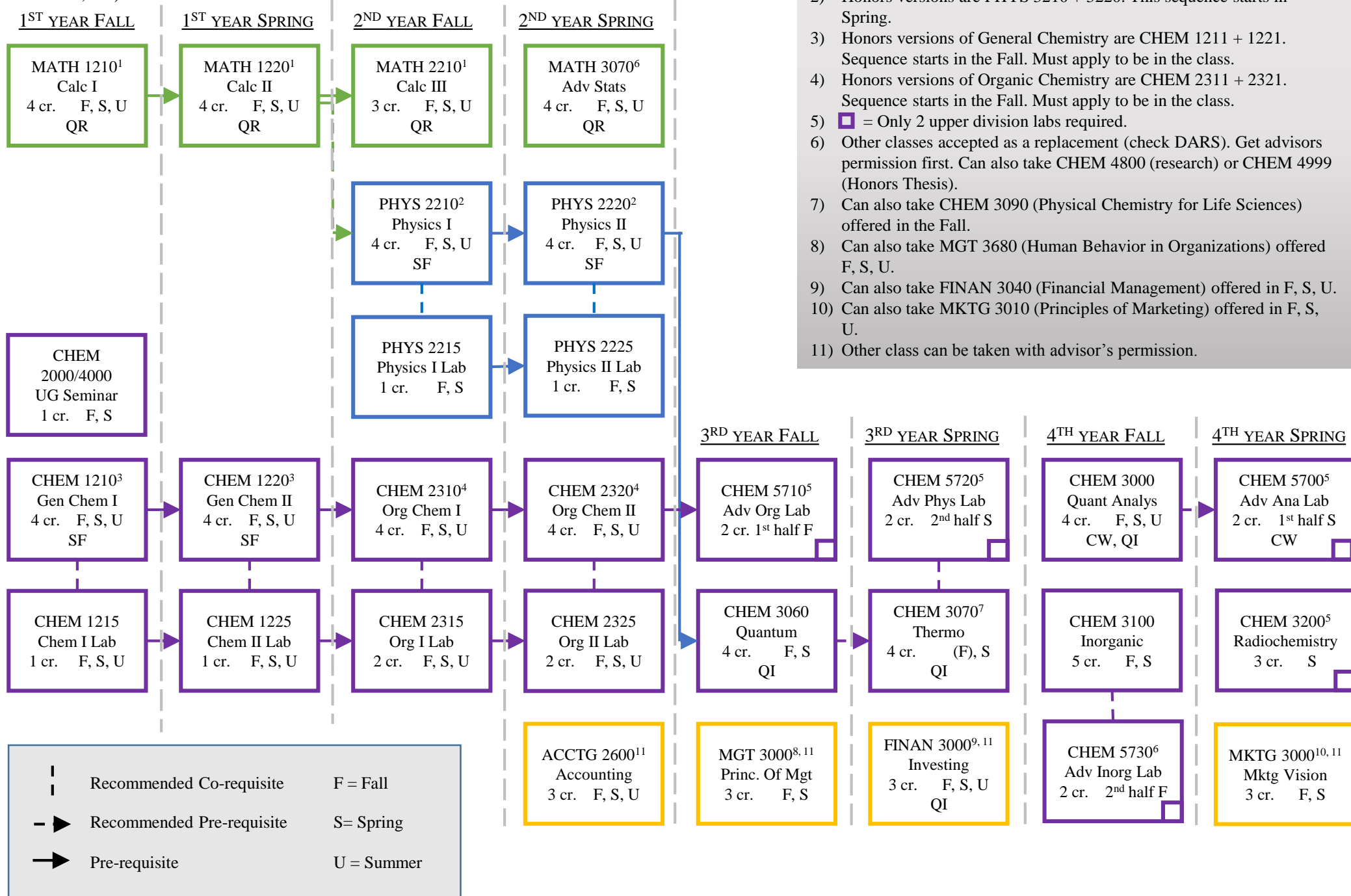


# Chemistry Course Requirements – Business Emphasis (2016-17)

The Business emphasis will familiarize students with chemistry as well as the field of business. May be appropriate for students who plan to work in an industrial chemistry field, such as pharmaceuticals, or who plan to start and run their own business (dental, medical, chemical, etc)



- 1) Can take whichever calculus sequence is appropriate, including AP Calculus (MATH 1250 & 1260) or Engineering Calculus (MATH 1310 & 1320) Must finish the sequence that was started
- 2) Honors versions are PHYS 3210 + 3220. This sequence starts in Spring.
- 3) Honors versions of General Chemistry are CHEM 1211 + 1221. Sequence starts in the Fall. Must apply to be in the class.
- 4) Honors versions of Organic Chemistry are CHEM 2311 + 2321. Sequence starts in the Fall. Must apply to be in the class.
- 5)  = Only 2 upper division labs required.
- 6) Other classes accepted as a replacement (check DARS). Get advisors permission first. Can also take CHEM 4800 (research) or CHEM 4999 (Honors Thesis).
- 7) Can also take CHEM 3090 (Physical Chemistry for Life Sciences) offered in the Fall.
- 8) Can also take MGT 3680 (Human Behavior in Organizations) offered F, S, U.
- 9) Can also take FINAN 3040 (Financial Management) offered in F, S, U.
- 10) Can also take MKTG 3010 (Principles of Marketing) offered in F, S, U.
- 11) Other class can be taken with advisor's permission.

—	Recommended Co-requisite	F = Fall
-▶	Recommended Pre-requisite	S = Spring
▶	Pre-requisite	U = Summer

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Business Emphasis										
Done?	Dept.	Number	Course Name	Credit Hours	Gen Ed/ Bach Req	Prerequisites		Taught		
						Chemistry	Math/Other	F	S	U
<b>MATH CLASSES</b>										
<input type="checkbox"/>	MATH	1210	Calculus I <sup>o</sup>	4	QR		MATH 1060 or 1080	x	x	x
<input type="checkbox"/>	MATH	1220	Calculus II <sup>o</sup>	4	QR		MATH 1210	x	x	x
<input type="checkbox"/>	MATH	2210	Calculus III <sup>o</sup>	4	QR		MATH 1220	x	x	x
<input type="checkbox"/>	MATH	3070	Advanced Statistics I <sup>†</sup>	4	QR			x	x	x
<b>PHYSICS CLASSES</b>										
<input type="checkbox"/>	PHYS	2210	Physics for Sci & Eng I <sup>o</sup>	4	SF		MATH 1210	x	x	x
<input type="checkbox"/>	PHYS	2215	Physics Lab for Sci & Eng I	1			MATH 1210	x	x	
<input type="checkbox"/>	PHYS	2220	Physics for Sci & Eng II <sup>o</sup>	4	SF		MATH 1220 + PHYS 2210	x	x	x
<input type="checkbox"/>	PHYS	2225	Physics Lab for Sci & Eng II	1			MATH 1220 + PHYS 2210	x	x	x
<b>CHEMISTRY CLASSES</b>										
<input type="checkbox"/>	CHEM	2000/4000	Undergrad Seminar	1				x	x	
<input type="checkbox"/>	CHEM	1210 + 1215	General Chemistry I <sup>o</sup> + Lab	4 + 1	SF		MATH 1050	x	x	x
<input type="checkbox"/>	CHEM	1220 + 1225	General Chemistry II <sup>o</sup> + Lab	4 + 1	SF		CHEM 1210 + 1215	x	x	x
<input type="checkbox"/>	CHEM	2310 + 2315	Organic Chemistry I <sup>A</sup> + Lab	4 + 2			CHEM 1220 + 1225	x	x	x
<input type="checkbox"/>	CHEM	2320 + 2325	Organic Chemistry II <sup>A</sup> + Lab	4 + 2			CHEM 2310 + 2315	x	x	x
<input type="checkbox"/>	CHEM	3000	Quantitative Analysis	4	QI, CW		CHEM 1220	MATH 1220 + 1250	x	x
<input type="checkbox"/>	CHEM	3060	Quantum Chemistry & Spect	4	QI		CHEM 1220	MATH 2210 + PHYS 2220	x	x
<input type="checkbox"/>	CHEM	3070	Thermodynamics & Kinetics <sup>□</sup>	4	QI		CHEM 1220	MATH 2210 + PHYS 2220	(x)	x
<input type="checkbox"/>	CHEM	3100	Inorganic Chemistry	5			CHEM 1220 CHEM 2320 + 3060	x	x	x
<b>ADVANCED LABS - Choose 2</b>										
<input type="checkbox"/>	CHEM	5700	Analytical Chemistry Lab	2	CW		CHEM 3000			1st
<input type="checkbox"/>	CHEM	5710	Organic Chemistry Lab	2			CHEM 2320			1st
<input type="checkbox"/>	CHEM	5720	Physical Chemistry Lab	2			CHEM 3060, 3070			2nd
<input type="checkbox"/>	CHEM	5730	Inorganic Chemistry Lab	2			CHEM 3100			2nd
<input type="checkbox"/>	CHEM	3200	Radiochemistry	3						x
<b>BUSINESS ELECTIVES</b>										
<input type="checkbox"/>	ACCTG	2600	Accounting	3				x	x	x
<input type="checkbox"/>	MGT	3000 or 3680	Princ. Of Management or Human Behav in Organizations	3				x	x	x
<input type="checkbox"/>	FINAN	3000 or 3040	Investing or Financial Management	3				x	x	x
<input type="checkbox"/>	MKTG	3000 or 3010	Marketing Vision or Principles of Marketing	3				x	x	x

◊: Can take whichever calculus sequence is appropriate, including AP Calculus (MATH 1250 & 1260) or Engineering Calculus (MATH 1310 & 1320) Must finish the sequence that was started.

†: CHEM 4800 (research) or CHEM 4999 (Honors Thesis) can waive statistics requirement

△: Honors versions are PHYS 3210 + 3220. This sequence starts in Spring.

○: Honors versions of General Chemistry are CHEM 1211 + 1221. Sequence starts in the Fall. Must apply to be in the class.

△: Honors versions of Organic Chemistry are CHEM 2311 + 2321. Sequence starts in the Fall. Must apply to be in the class

□: Can also take CHEM 3090 (Physical Chemistry for Life Sciences) offered in the Fall.