CHEMISTRY SAMPLE PROGRAMS

ACS CHEMISTRY (CHEM) - B.S. Major
On track starting freshman year

Satisfies	Fall Semester	SH	Satisfies	Spring semester	SH
Year 1					
GE-gl 3	CHEM 212 Principles of Chemistry I	4	GE-gl 3	CHEM 213 Principles of Chemistry II	4
GE-gl 4	MATH 120 (Precalculus) or 212 (Calculus I)	4		MATH 212 (Calculus I) or 213 (Calculus II)	4
GE-gl 1	ENG 111 College Reading and Writing	4	GE-gl 1	CMST 191 Intro. to Public Speaking	3
gl 5-10	Gen. Ed.	3	(gl 5-10)	PHYS 221 or Gen. Ed.	3-4
	Orientation	1			
		16			**15-16**
Year 2					
	CHEM 350 Principles of Organic Chem I	4		CHEM 351 Principles of Organic Chem II	5
GE- OI	CHEM 360 Chemical Information	2		CHEM 460 Research Proposal	1
	PHYS 221 Univ. Physics I	4		PHYS 222 Univ. Physics II	4
(gl 5-10)	MATH 213 (Calculus II) or Gen. Ed.	3-4	gl 5-10	Gen. Ed.	3
	Gen. Ed.	1-3	GE-PDW	PE	1
		14-17			**14**
Year 3					
GE-CAI	CHEM 412 Physical Chemistry I	3	GE-CAI	CHEM 414 Physical Chemistry	3
GE-WI	CHEM 413 Physical Chemistry I Lab	1	GE-WI	CHEM 414 Physical Chemistry II Lab	2
	CHEM 425 Analytical Chemistry I or 450*	4	GE-WI	CHEM 426 Analytical Chemistry II or 451*	2-4
GE-WI	CHEM 461 Chemistry Research	1		CHEM 461 Chemistry Research	1
gl 5-10	Gen. Ed.	3		CHEM elective	2-3
gl 5-10	Gen. Ed.	3	gl 5-10	Gen. Ed.	3
		15			**13-16**
Year 4					
	CHEM 405 Biochemistry I	3		CHEM 451 Adv Inorganic Chemistry* or 426	2-4
GE-WI	CHEM 406 Biochemistry I Laboratory	1	GE-OI	CHEM 475 Seminar in Chemistry	1
	CHEM 450 Adv Inorganic Chemistry or 425	4		CHEM elective	2-3
GE-WI	CHEM 461 Chemistry Research	1	gl 5-10	Gen. Ed.	3
	CHEM elective	2-3	gl 5-10	Gen. Ed.	3
gl 5-10	Gen. Ed.	3	GE-PDW	PE	1
		14-15			**12-15**

* CHEM 451 is offered Springs of <u>even</u>-numbered years

Effective Fall 2016

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