CHEMISTRY SAMPLE PROGRAMS

ACS BIOCHEMISTRY (CHBI) - 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		PHYS 221 U. Physics I or	4
	Orientation	1		BIOL 241 Basics of Life or 242 Organismal Diversity	
		16			**15**
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		PHYS 222 Univ. Physics II or	
	PHYS 221 U. Physics I or 222 (U. Physics II)	4		BIOL 241 Basics of Life or 242 (Org. Diversity)	4
(gl 5-10)	MATH 213 (Calculus II) or Gen. Ed.	3-4	gl 5-10	Gen. Ed.	3
	Gen. Ed.	1-3	gl 5-10	Gen. Ed.	3
		14-17			**15**
Year 3					
	CHEM 405 Biochemistry I	3		CHEM 407 Biochemistry II	3
GE-WI	CHEM 406 Biochemistry I Laboratory	1	GE-WI	CHEM 408 Biochemistry II Laboratory	1
(gl 5-10)	CHEM elective or Gen. Ed.	2-3	GE-CAI	CHEM 414 Physical Chemistry	3
GE-CAI	CHEM 412 Physical Chemistry I	3	GE-WI	CHEM 414 Physical Chemistry II Lab	2
GE-WI	CHEM 413 Physical Chemistry I Lab	1		BIOL 310 Genetics	3
GE-WI	BIOL 308 Cell Biology	3	gl 5-10	Gen. Ed.	3
gl 5-10	Gen. Ed.	3			
		16-17			**15**
Year 4					
GE-WI	CHEM 425 Analytical Chemistry I	4	GE-WI	CHEM 426 Analytical Chemistry II	4
	CHEM 450 Adv Inorganic Chemistry	4	GE-OI	CHEM 475 Seminar in Chemistry	1
(gl 5-10)	CHEM elective or Gen. Ed.	2-3	gl 5-10	Gen. Ed.	3
gl 5-10	Gen. Ed.	2-3	gl 5-10	Gen. Ed.	3
GE-PDW	PE	1	GE-PDW	PE	1
		13-15			**12**

Effective Fall 2016

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