

## Secondary Teacher Preparation in Chemistry (BA degree) Fast Track: Sample 4-year plan



**Note to students:** Remember that this is a *SAMPLE*. Your schedule, for many reasons, will probably not end up looking exactly like this. What's shown is a "fast-track" schedule. Be aware that you also have the option of completing the Chemistry major over a four-year period, with a fifth year reserved for your teaching credential. Requirements will differ if you enter Westmont with AP or college credit. Please confer with Chemistry department advisor as major requirements sometimes change.

	Fall	units	Spring	units
<b>First Year</b>	CHM 5 or 5H: General Chemistry I (CI: B, CS: B)	4	CHM 6 or 6H: General Chemistry II	4
	MA 9 : Calculus I (CI: D)	4	MA 10: Calculus II	4
	GE Common Context (see options below)	4	GE Common Context	4
	ENG 2: Composition (CS: A1)	4	BIO 5: General Biology (CI: C)	4
	PE 32: Fitness for Life (CS: D)	1	PEA (CS: D)	1
	Total Units	17		17
<b>First Year May Term or Summer:</b>				
Foreign Language (CS: C) (3-4 units)				
<b>Second Year</b>	PHY 11: Physics I	4	PHY 13: Physics II	4
	CHM 101: Organic Chemistry I	4	PHY 14: Physics Lab	1
	GE Common Context	4	CHM 102: Organic Chemistry II	4
	ENG 6: Studies in Lit (CI: A)	4	CHM 121: Intro to Analytical Chemistry	3
	PEA (CS: D)	1	GE Common Inquiry: E, G, or H	4
	Total Units	17		17
<b>Third Year</b>	CHM elective (113: Elem. Biochemistry)	4	GE Common Inquiry: E, G, or H	4
	GE: Common Context	4	CHM 135: Introductory Physical Chemistry	3
	ED 105: Cultural Diversity (CI: F, CS: A3)	4	CHM 133: Physical Chemistry Lab	1
	ED 161: Computers for the classroom	2	CHM 195: Chemistry Seminar (CS: A2, CCA: A3)	2
	GE Common Inquiry: E, G, or H	4	GE Common Context	4
	Total Units	18		18
<b>Third Year May Term or Summer:</b>				
ENG 106: Language Acquisition (4 units)				
<b>Fourth Year</b>	ED 111: Educational Psychology	4	ED 151: Curriculum, Management, Instruction	2
	ED 121: Curriculum and Planning	4	ED 191: Student Teaching	12
	ED 171: Content Area Literacy	4	ED 195: Student Teaching seminar	3
	ED 130: Special Education	2		
	KNS 156: Health Education	2		
	Total Units	16		17

Recommended courses: CHM 104, CHM 122

### Westmont General Education Requirements

Common Context (CC)	Common Inquiries (CI)	Common Skills (CS)	Competent & Compassionate Action (CCA)
RS 1: Old Testament RS 10: New Testament RS 20: Christian Doctrine PHI 6: Philosophical Reflections HIS 10: World History Christian Pers.	A. Reading Imaginative Literature B. Exploring the Physical Sciences C. Exploring the Life Sciences D. Reasoning Abstractly E. Performing and Interpreting the Arts F. Thinking Globally G. Thinking Historically H. Understanding Society	A1. Writing for the Liberal Arts A2. Writing within the major A3. Writing outside the major Writing requirements are often fulfilled while taking other classes. B. Quantitative/Analytical Reasoning C. Modern/Foreign Language D. Physical Education (4 classes)	One course in A: A1. Productions and Presentations A2. Research A3. Integrating the Discipline  One course in B: B1. Serving Society; Enacting Justice B2. Communicating Cross-culturally