

MILLIKIN UNIVERSITY
Chemistry: Secondary Education Emphasis - Eight Semester Plan

Semester #1	Term: _____	Hours	Spg/Fall/Evry	Semester #2	Term: _____	Hours	Spg/Fall/Evry
IN 140: University Seminar		3		IN 151: Critical Writing, Reading & Research II		3	
IN 150: Critical Writing, Reading & Research I		3		CH 224: General Inorganic Chemistry		3	
CH 121: General Chemistry		3		CH 152: Introductory Chemistry Laboratory II		1	
CH 151: Introductory Chemistry Laboratory I		1		CO 200: Public Speaking		3	
BI 105/155: Ecology & Evolution with lab		4		Mathematics		4	
Mathematics (determined by placement)		4		ED 120: Introduction to American Education		3	
				ED 170/172: Education Internship		1	
Semester Total		18		Semester Total		18	
Cumulative Total		18		Cumulative Total		36	
Semester #3	Term: _____	Hours	Spg/Fall/Evry	Semester #4	Term: _____	Hours	Spg/Fall/Evry
CH 301: Organic Chemistry I		3		CH 302: Organic Chemistry II		3	
CH 251: Intermediate Chemistry Laboratory I		1		CH 106: Elemental Geosystems		3	
PY 151/171: Physics I with lab		4		BI 108/158: Diversity of Life with lab		4	
IN 250: U.S. Cultural Studies		3		PY 152/172: Physics II with lab		4	
ED 201: Human Development 6-12		3		IN 251: U.S. Structural Studies		3	
ED 115: Instructional Strategies for Individuals with Learning Disabilities		3		Creative Arts using DA or MO or MU class		1	
Semester Total		17		Semester Total		18	
Cumulative Total		53		Cumulative Total		71	
Semester #5	Term: _____	Hours	Spg/Fall/Evry	Semester #6	Term: _____	Hours	Spg/Fall/Evry
CH 254: Introduction to Research		1		CH 203: Essentials of Organic & Biochemistry		3	
CH 232: Analytical Chemistry		3		CH 205: Essentials of Organic & Biochemistry Lab		1	
CH 253: Intermediate Chemistry Lab III		1		PY 100/104: The Planets with Lab		4	
PY 101/105: Stars and Galaxies with lab		4		BI 305/355: Molecular and Cellular Biology with lab		4	
BI 300/350: Genetics with lab		4		ED 310: Creating Communities of Learners		3	
International Cultures and Structures I/Historical Studies		3		ED 321: General Secondary Methods and Assessment		3	
Creative Arts using DA or MO or MU class		2					
Semester Total		18		Semester Total		18	
Cumulative Total		89		Cumulative Total		107	
Semester #7	Term: _____	Hours	Spg/Fall/Evry	Semester #8	Term: _____	Hours	Spg/Fall/Evry
CH 391 or 392: Undergraduate Research		1		CH 391 or 392: Undergraduate Research		1	
CH 310: Secondary Science Content & Lab Development		3		CH 482: Chemistry Senior Seminar		1	
CH 303: Physical Chemistry I (must complete MA240 prior)		3		ED 478: Supervised Teaching in High School		12	
EN 302: Literacy, Reading/Writing		3		ED 488: Education Senior Seminar		3	
ED 420: Instructional Analysis, Design and Assessment		2					
IN 350: Global Studies/Literature		3					
International Cultures and Structures II		3					
Semester Total		18		Semester Total		17	
Cumulative Total		125		Cumulative Total		142	

NOTES:

- The schedule above provides a template. Schedules will vary by student. Summer courses may be taken at Millikin or another institution (course approved through Registrar)
- Undergraduate graduation hour requirements: 124 credits
- To be considered a full time student you must enroll in a minimum of 12 credit hours per semester.
- If taking Advanced Placement courses in high school or considering dual enrollment in high school/community college courses, please make sure you speak with a faculty advisor or Registrar's Office at Millikin prior to your selection/enrollment.