

MILLIKIN UNIVERSITY
BS Chemistry: Pre-Pharmacy, Biochemistry 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		BI 108/158: Diversity of Life with Lab		4	
Mathematics (determined by placement)		4		Mathematics		4	
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 252: Intermediate Chemistry Laboratory II		1	
CH 232: Analytical Chemistry		3		IN 251: U.S. Structural Studies		3	
CH 253: Intermediate Chemistry Laboratory III		1		BI 305/355: Molecular and Cellular Biology with Lab		4	
IN 250: U.S. Cultural Studies		3		Historical Studies		3	
BI 300/350: Genetics with Lab		4		Elective		3	
Semester Total		15		Semester Total		17	
Cumulative Total		51		Cumulative Total		68	
Semester #5	Term: _____	Hours	Spg/Fall/Evry	Semester #6	Term: _____	Hours	Spg/Fall/Evry
CH 254: Introduction to Research		1		IN 350: Global Studies		3	
CH 331: Biochemistry		3		CH 391 or 392: Undergraduate Research		1	
CH 354: Biochemistry Lab		1		CH 432: Advanced Biochemistry		3	
PY 151/171: Physics I with Lab		4		BI 207: Human Anatomy and Physiology II		4	
Creative Arts		3		PY 152/172: Physics II with Lab		4	
BI 206: Human Anatomy and Physiology I		4		Literature		3	
Semester Total		16		Semester Total		18	
Cumulative Total		84		Cumulative Total		102	
Semester #7	Term: _____	Hours	Spg/Fall/Evry	Semester #8	Term: _____	Hours	Spg/Fall/Evry
CH 303: Physical Chemistry I (must complete MA 240 prior)		3		CH 482: Chemistry Senior Seminar		1	
CH 391 or 392: Undergraduate Research		1		CH 420: Instrumental Analysis		3	
International Cultures and Structures I		3		CH 352: Advanced Laboratory II		1	
Electives		9		BI 330: Microbiology & Lab		4	
				EC 100 or 110: Principles of Macroeconomics or Microeconomics		3	
				International Cultures and Structures II		3	
Semester Total		16		Semester Total		15	
Cumulative Total		118		Cumulative Total		133	

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.