

MILLIKIN UNIVERSITY
BS Chemistry: Pre-Pharmacy, Biochemistry Emphasis - 8 Semester Plan

Semester #1	Term: _____	Hours	Spg/Fall/Evry	Semester #2	Term: _____	Hours	Spg/Fall/Evry
IN 140: University Seminar		3		PS 130 - Introductory Psychology or SO 100: Introduction to Sociology		3	
IN 180: University Writing		3		CH 122: General Chemistry II		3	
CH 121: General Chemistry I		3		CH 152: General Chemistry Laboratory II		1	
CH 151: General Chemistry Laboratory I		1		BI 205: Cell Biology with lab		4	
BI 105/155: Ecology & Evolution with lab		4		Mathematics		4	
Mathematics (determined by placement)		4		CO 200: Public Speaking		3	
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: Organic Chemistry Laboratory I		1		CH 252: Organic Chemistry Laboratory II		1	
CH 232: Analytical Chemistry		3		CH 306: Descriptive Inorganic Chemistry		3	
CH 253: Analytical Chemistry Laboratory		1		CH 256: Inorganic Chemistry Laboratory		1	
EC 100 or 110: Principles of Macroeconomics or Microeconomics		3		IN 251: U.S. Structural Studies		3	
IN 250: U.S. Cultural Studies		3		IN 280: Writing in the Disciplines		3	
BI 200: Genetics with lab		4		MA 130: Elementary Probability & Statistics with Spreadsheets		3	
Semester Total		18		Semester Total		17	
Cumulative Total		54		Cumulative Total		71	
Semester #5	Term: _____	Hours	Spg/Fall/Evry	Semester #6	Term: _____	Hours	Spg/Fall/Evry
CH 254: Introduction to Research		1		CH 391: Undergraduate Research		1	
CH 331: Biochemistry		3		CH 432: Advanced Biochemistry		3	
CH 354: Biochemistry Laboratory		1		PY 152/172: University Physics II with lab		4	
PY 151/171: University Physics I with lab		4		BI 207: Human Anatomy and Physiology II		4	
BI 206: Human Anatomy and Physiology I		4		BI 330: Microbiology with lab		4	
Philosophy Elective		3					
Semester Total		16		Semester Total		16	
Cumulative Total		87		Cumulative Total		103	
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 391: Undergraduate Research		1	
CH 351: Physical Chemistry Laboratory I		1		CH 420: Instrumental Analysis		3	
CH 391: Undergraduate Research		1		CH 352: Instrumental Analysis Laboratory		1	
International Cultures and Structures I		3		CH 482: Seminar		1	
IN 350: Global Studies		3		Historical Studies		3	
Creative Arts		3		International Cultures and Structures II		3	
Literature		3		Elective		3	
Semester Total		17		Semester Total		15	
Cumulative Total		120		Cumulative Total		135	

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.