

MILLIKIN UNIVERSITY
Biology - Biomedical Engineering 8 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		MA 240: Calculus II		4	
BI 105 Ecology and Evolution		3		BI 108: Diversity of Life		3	
BI 155: Ecology and Evolution Laboratory		1		BI 158: Diversity of Life Lab		1	
CH 121: General Chemistry		3		CH 224: Introductory Inorganic Chemistry		3	
CH 151: Intro to Chemistry Lab I		1		CH 152: Intro to Chemistry Lab II		1	
MA 140: Calculus I		4		CS 135: Computer Science I		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
PY 151/171: University Physics I and Lab		4		PY 152/172: University Physics II and lab		4	
BI 300: Genetics and Lab		4		BI 305/355: Molecular and Cell Biology and Lab		4	
CH 301/251: Organic Chemistry and lab		4		IN 251: US Structural Studies		3	
IN 250: US Cultural Studies (historical studies)		3		CH 302/252: Organic Chemistry II and lab		4	
MA 340: Calculus III		4		MA 305: Differential Equations		3	
Semester Total		19		Semester Total		18	
Cumulative Total		55		Cumulative Total		73	
Semester #5	Term: _____	Hours	Spg/Fall/Evry	Semester #6	Term: _____	Hours	Spg/Fall/Evry
BI: Ecology Content Area		4		BI: Taxonomy Content Area		4	
Fine Arts requirement		3		BI 482: Senior Seminar		1	
International Cultures and Structures requirement		3		IN 350: Global Issues (literature requirement)		3	
CH 331: Biochemistry		3		International Cultures and Structures requirement		3	
BI: Morphology Content Area		4		History or Literature requirement if not met		3	
BI 391: Research in Biology		1		CO 200: Public Speaking		3	
Semester Total		18		Semester Total		17	
Cumulative Total		91		Cumulative Total		108	
First Year Dual Degree - Wash. U.	Hours	Spg/Fall/Evry	Second Year Dual Degree - Wash. U.	Hours	Spg/Fall/Evry		
BI 3058: Physiological control systems - Physiology Content area	2		BIE 301A - Quantitative Physiology	4			
BIE 301B: Quantitative Physiology - Physiology Content Area	4		Second Year Dual Degree Curriculum at Wash. U.	28			
First Year Dual Degree Curriculum at Wash. U.	24						
Semester Total	30		Semester Total	32			
Cumulative Total	138		Cumulative Total	170			

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.

The first 3 years of this program are at Millikin University, with another two years at Washington University in St. Louis.

Students completing this program will earn a Bachelor's in Science from Millikin University and an undergraduate engineering degree from Washington University.