

Biomedical Sciences Major
Honors (Track 2)
Semester by Semester Guideline

	Credits		Credits
Fall Semester, Freshman Year		Spring Semester, Freshman Year	
IU 193H – First Year Seminar, Honors	1	CHEM 113, 114 General Chemistry II and Lab	3, 1
LIFE 102 Attributes of Living Systems	4	BMS 260 Introduction to Biomedical Sciences (S) <i>(BMS Directed Elective; required for freshman)</i>	3
CHEM 111, 112 General Chemistry I and Lab	4, 1	LIFE 201B Introductory Genetics (S)	3
CO 150 College Composition (AUCC, 1A)	3	Social/Behavioral Sciences (AUCC, 3C)	3
Arts and Humanities (AUCC, 3B)	3	MATH 155 (or 160) Calculus for Biological Sciences	4
Total	16		17
Fall Semester, Sophomore Year		Spring Semester, Sophomore Year	
CHEM 341 Modern Organic Chemistry I	3	CHEM 343 Modern Organic Chemistry II	3
LIFE 210 Introductory Eukaryotic Cell Biology (F)	3	CHEM 344 Modern Organic Chemistry Laboratory	2
LIFE 212 Introductory Cell Biology Lab (F)	2	BMS 360* Fundamentals of Physiology (S)	4
STAT 301 (or STAT 307) Statistical Methods	3	BMS 302* Laboratory in Principles of Physiology	2
Historical Perspective (AUCC, 3D)	3	Arts and Humanities (AUCC, 3B)	3
Total	14		14
Fall Semester, Junior Year		Spring Semester, Junior Year	
BMS 301* Human Gross Anatomy (F, SS) {OR BMS 330 Microscopic Anatomy [4] OR BMS 305* Domestic Animal Gross Anatomy [4], both offered in Spring}	5	MIP 300, 302 General Microbiology and Laboratory	3, 2
PH 121 General Physics I	5	PH 122 General Physics II	5
BC 351 Principles of Biochemistry	4	Global and Cultural Awareness (AUCC, 3E)	3
Advanced Writing (AUCC, 2)	3	BMS Directed Elective*	3
		HONR 399 Honors Pre-Thesis	1
Total	17		17
Fall Semester, Senior Year		Spring Semester, Senior Year	
BMS 460 Essentials of Pathophysiology (F)	4	BMS Directed* and /or Free Electives	15
BMS 492 Seminar – Pathophysiology (F)	1		
HONR 499 Honors Thesis	3		
BMS Directed* and/or Free Electives	6		
Total	14		15

* Select 3 - 4 Honors Courses (total of 12 credits) in the BMS Major to include:

6 credits (choose from the following) – BMS 302H, BMS 301, BMS 305, BMS 325, BMS 360, BMS 405, BMS 420, BMS 430, BMS 450

6 credits (choose from the following) – BMS 384, BMS 487, BMS 495, BMS 496, BMS 498, BMS 500, BMS 501, BMS 531, BMS 575

Note: Need 15 credits in BMS Directed Electives