

Biomedical Sciences Major
Semester by Semester Guideline

	Credits		Credits
Fall Semester, Freshman Year		Spring Semester, Freshman Year	
BMS 192 Seminar in Biomedical Sciences (not required)	1	CHEM 113, 114 General Chemistry II and Lab	3, 1
LIFE 102 Attributes of Living Systems	4	MATH 155 (or 160) Calculus for Biological Sciences	4
CHEM 111, 112 General Chemistry I and Lab	4, 1	BMS 260 Introduction to Biomedical Sciences* (BMS Directed Elective; required for freshman)	3
CO 150 College Composition (AUCC, 1A)	3	Social/Behavioral sciences (AUCC, 3C)	3
Elective	3	Arts/ Humanities (AUCC, 3B)	3
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 Organic Chemistry Laboratory	2
LIFE 212 Intro Cell Biology Recitation/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	LIFE 201B Introductory Genetics (S)	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 General Microbiology	3
PH 121 General Physics I	5	MIP 302 General Microbiology Laboratory	2
BC 351 Principles of Biochemistry	4	PH 122 General Physics II	5
BMS Directed Elective*	3	BMS Directed Elective*	3
		Advanced Writing (AUCC, 2)	3
Total	17		16
Fall Semester, Senior Year		Spring Semester, Senior Year	
BMS 492 Seminar – Pathophysiology (F)	1	Global and Cultural Awareness (AUCC, 3E)	3
BMS 460 Essentials of Pathophysiology (F)	4	Arts/Humanities (AUCC, 3B)	3
BMS Directed Electives* and /or Free Electives	9	BMS Directed* and /or Free Electives	9
Total	14		15

*Need 15 credits in BMS Directed Electives.