

Biomedical Sciences (BMSC) — Pre-Med (MBMS), Pre-Den (DBMS), Pre-Opt (OBMS)

Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
CHEM 1030 Fundamentals Chemistry I ¹		3 CHEM 1040 Fundamental Chemistry II	3
CHEM 1031 Fundamental Chemistry I Laboratory		1 CHEM 1041 Fundamental Chemistry II Laboratory	1
BIOL 1020 Principles of Biology		3 MATH 1610 Calculus I	4
BIOL 1021 Principles of Biology Laboratory		1 CORE HISTORY II	3
SCMH 1890 Pre-Health Professions Orientation		1	
CORE HISTORY I		3	
		15	14

Sophomore

Fall	Hours	Spring	Hours
PHYS 1500 General Physics I		4 PHYS 1510 General Physics II	4
CHEM 2070 Organic Chemistry I		3 CHEM 2080 Organic Chemistry II	3
CHEM 2071 Organic Chemistry I Laboratory		1 CHEM 2081 Organic Chemistry II Laboratory	1
Core Literature		3 COMM 1000 Public Speaking	3
STAT 2510 Statistics for Biological and Health Sciences		3 BIOL 1030 Organismal Biology	3
		BIOL 1031 Organismal Biology Laboratory	1
		14	15

Junior

Fall	Hours	Spring	Hours
PSYC 2010 Introduction to Psychology		3 Core Social Science	3
BIOL 3200 General Microbiology		3 BIOL 4100 Cell Biology	3
BIOL 3000 Genetics		3 BIOL 4101 Cell Biology Laboratory	2
BIOL 3201 General Microbiology Laboratory		1 BCHE 5190 Biochemistry II	3
BCHE 5180 Biochemistry I		3 PHIL 1030 Ethics and the Health Sciences	3
Core Fine Arts		3	
		16	14

Senior

Fall	Hours	Spring	Hours
BIOL 5500 Immunology		3 UNIV 4AA0 Creed to Succeed⁴	0
BMSC Elective³		5 BIOL 5600 Mammalian Physiology (Biomedical Physiology)	5
Professional Elective²		4 BMSC Elective³	6

Undergraduate Research	2 Electives	7
	14	18

Total Hours: 120

Options for courses labeled CORE are in the *Auburn University Bulletin*, under Core Curriculum.

- 1 The General Chemistry CHEM 1110/CHEM 1111 - CHEM 1120/CHEM 1121 sequence or the General Chemistry Honors Sequence can substitute for CHEM 1030/CHEM 1031 - CHEM 1040/CHEM 1041. See advisor.
- 2 ***Professional Electives:** Foreign Language, BIOL 2500, or any BIOL, CHEM, PHYS course 3000+
- 3 **BMSC Electives:**
 BIOL 3010 and BIOL 3011 (Comparative Anatomy); BIOL 4000 and BIOL 4001 (Histology).
 BIOL 5110 (Parasitology); BIOL 5200 (Clinical Micro); BIOL 5280 (Genethics); BIOL 5230 (Virology); BIOL 5330 (Developmental Genetics); BIOL 5521 (Gene Express. Lab); CHEM 3160 (Physical Chem); CHEM 3050 (Analytical Chem); Undergraduate Research (no more than 4 additional hours);
 SCMH 3810 or SCMH 3890 (Preceptorships)
- 4 Students may only register for UNIV 4AA0 during the semester they plan to graduate.