

Microbiology/Pre-Veterinary Medicine Option (VMCB)

Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
CORE HISTORY		3 MATH 1610 Calculus I	4
CHEM 1030 Fundamentals Chemistry I		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 BIOL 1030 Organismal Biology	3
BIOL 1021 Principles of Biology Laboratory		1 BIOL 1031 Organismal Biology Laboratory	1
BIOL 2100 Professional Development		1	
		15	15

Sophomore

Fall	Hours	Spring	Hours
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
BIOL 3000 Genetics		3 BIOL 3200 General Microbiology	3
BIOL 3001 General Genetics Laboratory		1 BIOL 3201 General Microbiology Laboratory	1
PHYS 1500 General Physics I		4 PHYS 1510 General Physics II	4
CORE LITERATURE		3 CORE HISTORY or LIT ¹	3
		15	15

Junior

Fall	Hours	Spring	Hours
BIOL 5200 Clinical Microbiology		5 BIOL 4100 Cell Biology	3
BIOL 4950 Senior Seminar		1 ANSC 3400 Animal Nutrition	4
BCHE 5180 Biochemistry I		3 Core Fine Arts	3
BCHE 5181 Biochemistry I Laboratory		1 Core Social Science ²	3
Core Social Science ²		3 COMM 1000 Public Speaking	3
Core Social Science or Humanities ³		3 Students who complete the above 6 semesters and successfully complete the first year of veterinary school may be awarded a BS in microbiology. In the event the first year veterinary college alternative is not followed, the indicated senior year courses must be successfully completed to receive the BS in microbiology.	
		16	16

Senior

Fall	Hours	Spring	Hours
BIOL 5500 Immunology		3 MMCB Electives	4
MMCB Electives		3 Biology Elective	7
BIOL 5250 Microbial Evolution and Diversity		4 BIOL 5210 Microbial Physiology	3

BIOL 5220 Introductory Molecular Genetics or 5260 Prokaryotic Molecular Genetics	3	UNIV 4AA0 Achieve the Creed	0
BCHE 5190 Biochemistry II	3		
BIOL 4AA0 Professional Development II	0		
	16		14

Total Hours: 122

ANSC 3400 Animal Nutrition is now required to enter vet school at Auburn. See advisor for details.

- ¹ Students must complete a two-course sequence in either HIST or LIT (for example, World History 1 and 2 or American Lit 1 and 2). For complete HIST and LIT sequence options, see the *Bulletin*.
- ² Students who choose a HIST sequence other than HIST 1010 and HIST 1020 should talk to an advisor about CORE SOC SCI choices.
- ³ If a LIT sequence is chosen, this course must be a CORE SOC SCI. If a HIST sequence is chosen, this course must be a CORE HUMANITIES.