

MICROBIOLOGY, PRE-VETERINARY MEDICINE (VMCB) CURRICULUM 2023-2024

Transferring to another college may void all or part of this evaluation. This is an internal check sheet; consult the University Bulletin for official curriculum.

Student Name: _____ ID Number: _____ GID: _____

Minor: _____ AU GPA: _____ Major GPA: _____ Date updated: _____

If applicable: ____ Concurrent Degree or ____ Double Major This degree is ____ Primary or ____ Secondary

✓	Core Courses:	Credits:
	ENGL 1100 English Composition I	3
	ENGL 1120 English Composition II	3
	Core Literature	3
	Core History	3
	Core History or Literature*	3
	Core Social Science or Humanities**	3
	Core Social Science	3
	Core Social Science	3
	COMM 1000 Public Speaking	3
	Core Fine Arts	3
	CHEM 1030 Fundamentals of Chem I	3
	CHEM 1031 Fundamentals of Chem I Lab	1
	CHEM 1040 Fundamentals of Chem II	3
	CHEM 1041 Fundamentals of Chem II Lab	1
	MATH 1610 Calculus I	4

✓	Supporting Courses:	Credits:
	CHEM 2070 Organic Chemistry I	3
	CHEM 2071 Organic Chemistry I Lab	1
	CHEM 2080 Organic Chemistry II	3
	CHEM 2081 Organic Chemistry II Lab	1
	PHYS 1500 Physics I	4
	PHYS 1510 Physics II	4
	BCHE 5180 Biochemistry I	3
	BCHE 5181 Biochemistry I Lab	1
	BIOL 2100 Professional Development	1
	BCHE 5190 Biochemistry II	3
	BIOL 4AA0 Professional Development II	0
	ANSC 3400 Animal Nutrition	4

✓	Major Courses:	Credits:
	BIOL 1020 Principles of Biology	3
	BIOL 1021 Principles of Biology Lab	1
	BIOL 1030 Organismal Biology	3
	BIOL 1031 Organismal Biology Lab	1
	BIOL 3000 Genetics	3
	BIOL 3200 Microbiology	3
	BIOL 3201 Microbiology Lab	1
	BIOL 5200 Clinical Microbiology	5
	BIOL 4100 Cell Biology	3
	BIOL 4950 Senior Seminar	1
	BIOL 5500 Immunology	3
	BIOL 5210 Microbial Phys	3
	BIOL 5250 Micro Evo. & Diversity	4
	BIOL 5220 Molecular Genetics or BIOL 5260 Prokaryotic Molecular Genetics	3
	MMCB Elective***: Choose any combination to reach the total hour requirement. See page 2 for options.	7
	Biology Elective***: Choose any combination to reach the total hour requirement. See page 2 for options.	7

*Students must complete a two-course sequence in HIST or LIT. See Bulletin for options.

**If a LIT sequence is chosen, this must be a core social science. If a HIST sequence is chosen, this must be a core humanities.

***See the second page for a full listing of all approved Elective options.

You MUST register for UNIV 4AA0, section UN1 in the semester in which you are graduating.

Notes

Students who complete all but the highlighted courses and successfully complete the first year of veterinary school may be awarded a B.S. in Microbiology. Otherwise all course, including highlighted ones must be completed to receive the B.S.

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✓	MMCB ELECTIVES	Total Credits: 7
	BIOL 3020 Genomic Biology	4
	BIOL 4000 Histology	3
	BIOL 4001 Histology Lab	1
	BIOL 4101 Cell Biology Lab	2
	BIOL 4410 Vertebrate Development	5
	BIOL 5050 Biophysics	2
	BIOL 5110 Parasitology	4
	BIOL 5220 Molecular Genetics	3
	BIOL 5230 Virology	3
	BIOL 5270 Host-Microbe Interactions	3
	BIOL 5330 Developmental Genetics	3
	BIOL 5500 Immunology	3
	BIOL 5501 Immunology Lab	2
	BIOL 5550 Nanomedicine	2
	BIOL 5600 Biomedical Physiology	5
	CSES Soil Microbiology	3
	CSES Soil Microbiology Lab	1

✓	Biology Electives	Total Credits: 7
	Any MMCB elective that starts with BIOL	Varies
	BIOL 2500 Anatomy & Physiology I	3
	BIOL 2501 Anatomy & Physiology I Lab	1
	BIOL 2510 Anatomy & Physiology II	3
	BIOL 2511 Anatomy & Physiology II Lab	1
	BIOL 3030 Evolution and Systematics	3
	BIOL 3040 Marine Systems	3
	BIOL 3060 Ecology	4
	BIOL 3100 Plant Biology	4
	BIOL 4010 Invertebrate Biodiversity	4
	BIOL 4020 Vertebrate Biodiversity	4
	BIOL 4920 Biology Internship	Varies
	BIOL 4970 Special Topics	Varies
	BIOL 4980 Undergraduate Research	Varies
	BIOL 5240 Animal Physiology	4
	BIOL 5650 Animal Behavior	3
	BIOL 5800 Computational Biology	3
	ENTM 3040 General Entomology	4
	ENTM 5120 Medical Veterinary Entomology	4