

UNIVERSITY OF MARY HARDIN-BAYLOR
BIOLOGY MAJOR FOR PREVET—DEGREE PLAN

FRESHMAN YEAR (must include 2 semesters of Fine Arts Experience – UMHB 1005)

BIOL 1090: Freshman Evaluation.....	0 sem. hrs.
<i>BIOL 1350/1150: Gen Bio I</i>	4 sem. hrs.
BIOL 1360/1160: Gen Bio II	4 sem. hrs.
* <i>CHEM 1410 & 1420: General Chemistry I and II</i>	8 sem. hrs.
**MATH 1306: College Algebra	3 sem. hrs.
<i>English (ENGL 1321 & 1322)</i>	6 sem. hrs.
Physical Education (activity course)	1 sem. hrs.
<i>Public Speaking (COMM 1320)</i>	3 sem. hrs.
Freshman Seminar	1 sem. hrs.
Chapel (2 semesters).....	<u>0 sem. hrs.</u>
TOTAL	30 sem. hrs.

SOPHOMORE YEAR (must include 2 semesters of Fine Arts Experience – UMHB 1005)

BIOL 2170/2171: Research Methods.....	2 sem. hrs.
<i>BIOL 2380/2180: Microbiology</i>	4 sem. hrs.
BIOL elective with lab.....	4 sem. hrs.
* <i>CHEM 3410: Organic Chemistry I</i>	4 sem. hrs.
<i>CHEM 3420: Organic Chemistry II</i>	4 sem. hrs.
**MATH 1320: Precalculus.....	3 sem. hrs.
<i>English Literature</i>	6 sem. hrs.
Religion (CSBS 1311 or 1312)	3 sem. hrs.
Physical Education (activity course)	1 sem. hrs.
Chapel (2 semesters).....	<u>0 sem. hrs.</u>
TOTAL	31 sem. hrs.

JUNIOR YEAR (must include 2 semesters of Fine Arts Experience – UMHB 1005)

<i>BIOL 3310/3110: Genetics</i>	4 sem. hrs.
* <i>WRIT 3344: Scientific Writing</i>	3 sem. hrs.
* MATH 2303: Statistics	3 sem. hrs.
<i>PHYS 2411 & 2412: Physics I and II</i>	8 sem. hrs.
<i>CHEM 4430: Biochemistry</i>	4 sem. hrs.
Religion (CSBS 1311 or 1312).....	3 sem. hrs.
Social Science (<i>PSYC 1301</i>).....	3 sem. hrs.
World Ideas or Philosophy or Non-US History	<u>3 sem. hrs.</u>
TOTAL	31 sem. hrs.

SENIOR YEAR (must include 2 semesters of Fine Arts Experience – UMHB 1005)

BIOL 4090: Senior Evaluation	0 sem. hrs.
BIOL 4194: Writing Capstone	1 sem. hrs.
BIOL 4195: Seminar Capstone	1 sem. hrs.
BIOL 4370/4170: Applied Ecology	4 sem. hrs.
BIOL Upper-level elective with lab	4 sem. hrs.
BIOL electives.....	5 sem. hrs.
Fine Arts	3 sem. hrs.
Contemporary World Issues or Social Science	3 sem. hrs.
Social Science.....	3 sem. hrs.
Electives	<u>6 sem. hrs.</u>
TOTAL	30 sem. hrs.

Total minimum semester hours: 124

*Required support courses for the Biology major. All italicized courses are required by the vet schools. A grade of “C” or better must be made in all Biology courses applying to the major. **Students can be placed in MATH 1306 (Algebra) with an ACT of 21 or SAT of 550; in MATH 1320 (Precalculus) with an ACT of 23 or SAT of 580. MATH 1320 is a prerequisite for Physics (junior year). Animal Nutrition & an upper-level Statistics, 3 hr each, are also required but not offered at UMHB.

For additional information, please write or call:

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