

UNIVERSITY OF MARY HARDIN-BAYLOR
BIOLOGY MAJOR for Pre-Med/Pre-Dent—DEGREE PLAN

FRESHMAN YEAR (*The student MUST take a Biology, a Chemistry, & Math the first semester to stay on track.*)

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

SOPHOMORE YEAR

BIOL 2170/2171: Research Methods.....	2 sem. hrs.
BIOL 2340/2140: Human Anatomy & Physiology I	4 sem. hrs.
BIOL 2341/2141: Human Anatomy & Physiology II	4 sem. hrs.
BIOL elective*** (Microbiology suggested).....	3-4 sem. hrs.
**CHEM 3410 & 3420: Organic Chemistry I & II	8 sem. hrs.
English (ENGL 2321 & 2322)	6 sem. hrs.
Public Speaking	3 sem. hrs.
Chapel (2 semesters).....	<u>0 sem. hrs.</u>
TOTAL	30-31 sem. hrs.

JUNIOR YEAR

BIOL 3310/3110: Genetics	4 sem. hrs.
WRIT 3344: Scientific Writing	3 sem. hrs.
**MATH 2303: Statistics.....	3 sem. hrs.
**PHYS 2411 and 2412: Physics I & II	8 sem. hrs.
**CHEM 4430 Biochemistry	4 sem. hrs.
Social Science (PSYC 1301 & 2311)	6 sem. hrs.
Social Science (SOCI 1311).....	3 sem. hrs.
Physical Education (activity course)	<u>1 sem. hrs.</u>
TOTAL	32 sem. hrs.

SENIOR YEAR

BIOL 4370/4170: Applied Ecology	4 sem. hrs.
BIOL 4194: Writing Capstone	1 sem. hrs.
BIOL 4195: Seminar Capstone	1 sem. hrs.
BIOL 4090: Senior Evaluation.....	0 sem. hrs.
BIOL Upper-level elective with lab*** (Cell Biology suggested)	4 sem. hrs.
BIOL elective*** (Immunology suggested)	1-2 sem. hrs.
Religion (CSBS 1311 and 1312)	6 sem. hrs.
World Ideas or Philosophy or Non-US History	3 sem. hrs.
Fine Arts	3 sem. hrs.
Electives***	<u>7 sem. hrs.</u>
TOTAL	31-32 sem. hrs.

Total minimum semester hours: 124

*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. **These courses are required for the MCAT/DAT and Texas Medical/Dental schools plus a wide range of Biology courses. ***Highly suggested electives for TX medical schools are microbiology, cell biology, & immunology. A grade of "C" or better must be made in all Biology courses applying to the major. You must also complete 8 credits of Fine Arts Experience (UMHB 1005).

For additional information, please write or call: *Department of Biology*
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 Belton TX 76513
 (254)295-4214

Effective August 2015