

Department of Biology
Pre-medical/ Pre-dental/ Pre-vet MCAT 2015
Model Curriculum

Note: This form does not guarantee course availability. Please check with the appropriate schedule of classes.

Freshman Year

Fall Semester

CAS 100	Freshman Seminar	3
EH 101	Composition I	3
BLY 121	General Biology I	3
BLY 121L	General Biology I Lab	1
CH 131	General Chemistry I	3
CH 131L	General Chemistry II Lab	1
_____	Social/Behavior Science ¹	<u>3</u>
		17

Spring Semester

EH 102	Composition II	3
BLY 122	General Biology II	3
BLY 122 L	General Biology II Lab	1
CH 132	General Chemistry II	3
CH 132L	General Chemistry II Lab	1
MA _____	Math ²	<u>4</u>
		15

Sophomore Year

Fall Semester

CH 201	Organic Chemistry I	3
CH 201L	Organic Chemistry I Lab	1
PH 114	Physics with Alg/Trig I	5
BLY 301	Cell Biology	3
_____	Social/Behavior Science ¹	<u>3</u>
		15

Spring Semester

CH 202	Organic Chemistry II	3
CH 202L	Organic Chemistry II Lab	1
PH 115	Physics with Alg/Trig II	5
BLY 302	Genetics	3
EH _____	Literature Elective ³	<u>3</u>
CP 200	Clinical Observation	<u>1</u>
		16

Junior Year

Fall Semester

BMD 321	Biochemistry I	3
BLY 303	Ecology/Evolution	3
ST 210	Statistic	3
HY _____	History Elective ³	<u>3</u>
LG _____	Foreign Language I	<u>3</u>
		15

Spring Semester

BMD 322	Biochemistry II	3
BLY 314	Microbiology-W	4
CH 265	Quantitative Analysis ⁴	3
CH 265L	Quantitative Analysis Lab ⁴	1
LG _____	Foreign Language II	<u>3</u>
		14

Senior Year

Fall Semester

BLY 459	General Parasitology	3
BLY _____	Biology Elective	<u>4</u>
_____	Fine Arts Elective	3
_____	Humanities/ Fine Arts Elective ³	<u>3</u>
CA 110	Public Speaking	<u>3</u>
		16

Spring Semester

BLY 435	Biology of Fungi	4
_____	Humanities/Fine Arts Elective ³	<u>3</u>
_____	Social Science Elective	3
_____	General Elective	<u>3</u>
_____	General Elective	<u>3</u>
		16

¹Social/Behavior Science Elective should include PSY 120 and either SY 109 or 112

²MA must be MA 112/113 sequence, 115 or 125. Certain medical Schools require MA 125 – Calculus

³Must complete a sequence in Literature or History

⁴Only needed for Chemistry minors

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(Note that some professional schools [including Vet schools] have additional prerequisites. Microbiology and Biochemistry are now becoming standard prerequisites. Contact the school of your interest for this information)

Course Options:

CIS 150 Microcomputer Appl (3h) or passing Computer Proficiency Exam (CPE) **one of these two options is required**

Humanities Elective – 2 courses AFR 101, ARH 100, ARH 103, ARH 123, ARH 240, ARH 242, ARS 101, ARS 121, ARS 123, ARS 124, ARS 241, ARS 281, DRA 100, DRA 101, DRA 102, DRA 110, DRA 115, DRA 120, DRA 121, DRA 130, DRA 131, DRA 132, DRA 220, DRA 221, DRA 250, EH 215, EH 216, EH 225, EH 226, EH 235, EH 236, LG 205, LG 211, LG 212, LG 213, LG 231, LG 232, LG 251, LG 252, LG 271, LG 272, LGS 201, LGS 202, LGS 206, LGS 207, LGS 221, LGS 222, LGS 241, LGS 242, LGS 290, MUA 101-MUA 300, MUB 101-MUB 300, MUE 102, MUE 103, MUE 202, MUE 203, MUL 101, MUO 111-MUO 125, PHL 110, PHL 121, PHL 131, PHL 231, PHL 240

Fine Arts Elective – 1 course: ARH 100, 103, 123, 240, 242, ARS 101, MUL 101, or DRA 110

Literature Elective³ – 1 course EH 215, 216, 225, 226, 235, or 236

History Elective³ – 1 course: HY 101, 102, 135, or 136

³ *Must complete a two course sequence in Literature or History Acceptable sequences are:*

EH 215 and 216 or EH 225 and 226 or EH 235 and 236 or

HY 101 and 102 or HY 135 and 136

Social Science Elective – 3 courses: AN 100, AN 101, ECO 215, ECO 216, GEO 114, GEO 115, HY 101, HY 102, HY 135, HY 136, IS 100, PSC 130, PSY 120, PSY 250, SY 109, SY 112

General Elective – 1-2 courses: Any college-level course of your choice.

2 “W” writing courses are required. One must be in Biology.

Senior thesis option – student may want to participate in our Undergraduate Senior Thesis Program in Biology (for details see: <http://www.usouthal.edu/biology/undergraduate2.html>)