

Department of Biology
Pre-med/Pre-vet Sample Curriculum 2018 - 2019

Note: This form does not guarantee course availability. Please check the appropriate Schedule of Classes.

Courses in bold should be completed prior to taking the MCAT

FRESHMAN YEAR

Fall Semester

CAS 100	Freshman Seminar	2
EH 101	Composition I	3
BLY 121	Gen Biology I	3
BLY 121L	Gen Biology I Lab	1
CH 131	Gen Chemistry I	3
CH 131L	Gen Chemistry I Lab	1
_____	Social Science Elective	3
		16

Spring Semester

EH 102	Composition II	3
BLY 122	Gen Biology II	3
BLY 122L	Gen Biology II Lab	1
CH 132	Gen Chemistry II	3
CH 132L	Gen Chemistry II Lab	1
MA 115	<u>Pre/Cal Alg/Trig</u>	4
		15

SOPHOMORE YEAR

Fall Semester

CH 201	Organic Chemistry I	3
CH 201L	Organic I Lab	1
PH 114	Physics with Alg/Trig I	5
_____	Social Science Elective	3
ST 210	Statistical Reasoning	3
		15

Spring Semester

CH 202	Organic Chemistry II	3
CH202L	Organic II Lab	1
PH 115	Physics with Alg/Trig II	5
BLY 301	Cell biology	3
CA 110	Public Speaking	3
CP 200	<u>Clinical Observations</u>	1
		16

JUNIOR YEAR

Fall Semester

BLY 302	Genetics	3
BLY 303	Ecology/Evolution	3
PHL 120 ²	Critical Thinking	3
BLY 440	Biochemistry I	3
LG _____	<u>Foreign Language</u>	3
		15

Spring Semester

BLY 314 ³	Microbiology-W	4
BLY 350	Human Physiology	3
BLY 441	Biochemistry II	4
EH _____ ¹	Literature ^{2a}	3
_____ ¹	Social Science Elective¹	3
LG _____	<u>Foreign Language</u>	3
		17

SENIOR YEAR

Fall Semester

BLY _____	Biology Elective	3-4
BLY _____	Biology Elective	3
HY _____	History	3
_____ ¹	General Elective	3
EH _____ ¹	<u>Literature Elective</u>	3
		15-16

Spring Semester

BLY _____	Biology Elective	3-4
BLY _____	Biology Elective	3-4
_____ ¹	Fine Arts Elective	3
_____ ¹	<u>General Elective</u>	3
		12-14

¹ See next page for options

² Counts as Humanities Elective. See next page for other options

^a Literature sequence recommended to make room for an extra social science elective. History sequence is acceptable for the degree.

Biology Pre-medical 2016 – 2017 Model Curriculum

Note that some professional schools have additional prerequisites. The Biology Pre-med curriculum should meet the requirements of most other health professional schools.

Course Options:

CIS 150 Microcomputer Appl (3h) or passing Computer Proficiency Exam (CPE) or ST 210

Literature Elective^a – 1 course EH 215, 216, 225, 226, 235, or 236

Humanities Elective^a – 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

History Elective^a – 1 course HY 101, 102, 135, or 136

Social Science Elective^a – 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 course Any college--level course of your choice

^aMust complete a 2 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

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/colleges/artsandsci/biology/senior_thesis.html)