

Department of Biology

Pre-medical / Pre-vet 2009-2010

Model Curriculum

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

FRESHMAN YEAR

FALL SEMESTER

CP 101	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	<u>3</u>
		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	Pre-Cal Alg/Trig	<u>4</u>
		15

SOPHOMORE YEAR

FALL SEMESTER

CH 201	Organic Chemistry I	5
PH 114	Physics with Alg/Trig I	5
BLY 301	Cell Biology	3
BLY 303	Ecology/Evolution	<u>3</u>
		16

SPRING SEMESTER

CH 202	Organic Chemistry II	5
PH 115	Physics with Alg/Trig II	5
BLY 302	Genetics	3
CA 110	Public Speaking	<u>3</u>
		16

JUNIOR YEAR

FALL SEMESTER

LG _____	Foreign Language	3
BLY 440	Biochemistry I	3
EH _____ ¹	Literature Elective	3
_____ ¹	Fine Arts Elective	3
HY _____ ¹	History Elective	3
CP 200	Clin Observation	<u>1</u>
		16

SPRING SEMESTER

LG _____	Foreign Language	3
CH 265	Introductory Analysis	5
BLY 314	Microbiology-W**	4
_____ ¹	Humanities/Fine Arts	3
CP 200	Clin Observation	<u>1</u>
		16

SENIOR YEAR

FALL SEMESTER

BLY 459	General Parasitology	3
_____ ¹	Soc Science Elective*	3
CP 200	Clin Observation	1
_____ ¹	Humanities/Fine Arts	3
MA 125	Calculus I	<u>5</u>
		15

SPRING SEMESTER

BLY 435	Biology of Fungi	4
BLY _____	Biology elective	4
_____ ¹	Soc Science Elective*	3
_____ ¹	General Elective	<u>6</u>
		17

¹See next page for options.

Biology Pre-medical – 2009-2010

(Note that some Vet schools have additional prerequisites. Microbiology and Biochemistry are now becoming standard pre-requisites. Contact the school of your interests for this information.)

Course Options:

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

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

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

History Elective – 1 course HY 101, 102, 135, or 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 course Any college-level course of your choice

* Must 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/biology/undergraduate2.html>)