

Department of Biology
Pre-medical / Pre-dental / Pre-vet 2011 - 2012
Model Curriculum

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

FRESHMAN YEAR

Fall Semester

<i>CAS 100</i>	Freshman Seminar	3
<i>EH 101</i>	Composition I	3
<i>BLY 121</i>	Gen Biology I	3
<i>BLY 121L</i>	Gen Biology I Lab	1
<i>CH 131</i>	Gen Chemistry I	3
<i>CH 131L</i>	Gen Chemistry I Lab	1
	Social Science Elective	3
		17

Spring Semester

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

SOPHOMORE YEAR

Fall Semester

<i>CH 201</i>	Organic Chemistry I	3
<i>CH 201L</i>	Organic I Lab	1
<i>PH 114</i>	Physics with Alg/Trig I	5
<i>BLY 301</i>	Cell Biology	3
<i>EH _____¹</i>	Literature Elective ^a	3
		15

Spring Semester

<i>CH 202</i>	Organic Chemistry II	3
<i>CH202L</i>	Organic II Lab	1
<i>PH 115</i>	Physics with Alg/Trig II	5
<i>BLY 302</i>	Genetics	3
<i>CA 110</i>	Public Speaking	3
<i>CP 200</i>	Clinical Observations	1
		16

JUNIOR YEAR

Fall Semester

<i>BLY 303</i>	Ecology/Evolution	3
<i>CH 265²</i>	Quantitative Analysis	5
<i>_____¹</i>	Fine Arts Elective	3
<i>HY _____¹</i>	History Elective ^a	3
<i>LG _____</i>	Foreign Language	3
		17

Spring Semester

<i>BLY 3143</i>	Microbiology-W	4
<i>BLY _____¹</i>	Biology Elective	4
<i>_____¹</i>	Humanities/Fine Arts	3
<i>_____¹</i>	Social Science Elective	3
<i>LG _____</i>	Foreign Language	3
		17

SENIOR YEAR

Fall Semester

<i>BLY 459</i>	General Parasitology	3
<i>BLY 440 or BMD 321</i>	Biochemistry I	3
<i>ST 210 or MA 125</i>	Stats or Cal I	3/4
<i>_____¹</i>	Humanities/Fine Arts	3
<i>_____¹</i>	Soc Science Elective	3
		15/16

Spring Semester

<i>BLY 435</i>	Biology of Fungi	4
<i>BLY 441 or BMD 322</i>	Biochemistry II	3
<i>_____</i>	Soc Science Elective	3
<i>_____</i>	General Elective	3
		17

¹ See next page for options

² Only needed for Chemistry minor

^a Must complete a sequence in Literature or History.

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

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

^a *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 course: 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>)