

CURRICULUM FOR BIOLOGICAL SCIENCES

Leading to the Degree of Bachelor of Science

FIRST SEMESTER	S.H.	FIRST YEAR	SECOND SEMESTER
?General Biology I, GBIO 151	3		Chemistry
121	3		
?Biology Lab I, BIOL 152	1		Chemistry Laboratory
123	1		
English 101	3		English 102 or
122	3		
Library Science 102	1		Mathematics
162	3		
Mathematics 161	3		?General Biology II, GBIO
153	3		
Orientation 101	0-1		?Biology Lab II, BIOL
154	1		
Arts Elective ⁴	3		Foreign Language
101	3		
Elective ³	—		
<u>3</u>	—		
	17-18		
17			

FIRST SEMESTER	S.H.	SECOND YEAR	SECOND SEMESTER
Chemistry 122	3		Communication
211	3		
Chemistry Laboratory 124	1		Concentration
Elective ²	4		
?Microbiology 205	3		
Elective ³	3		
?Microbiology Laboratory 207	1		?General Biology
200	3		
English 230, 231, or 232	3		Foreign Language
201	3		
Foreign Language 102	—		
<u>3</u>	—		
	14		
16			

THIRD YEAR

?Concentration Elective ²	8	?Concentration
Elective ²	8	
English 322	3	
History	3	
?General Biology 312	3	?General Biology
377	4	
Foreign Language 202	—	
3		—
	17	

15

FOURTH YEAR

Social Science Elective ⁵	3	?Concentration Elective or
?Concentration Elective ²	4	Electives ^{2,3}
4-5		
?Concentration Elective or		Social Science
Elective ⁵	3	
Elective ^{2,3}	3	Physics
192	3	
Physics 191	3	Physics
Laboratory ¹⁹⁴	1	
Physics Laboratory 193	1	?General Biology
441	1	
	14	

12-

13

Total Minimum Semester Hours Required..... 122-1246

Total Minimum Semester Hours Required in Major.....39-43

Orientation 101 is not required of transfer or readmitted Southeastern students with 30 hours or more.

Computer literacy required prior to graduation; students are to contact their advisor for requirements.

¹Mathematics 200 may be substituted for Mathematics 161 and 162.

²Elective or concentration elective depends on area of concentration chosen.

³At least six hours of electives must be in non-Biology courses.

⁴Courses can be taken in music, art, dance, or theatre.

⁵Courses can be selected in economics, geography, anthropology, political science, psychology, or sociology.

⁶Extended Option: Secondary Education Certification. See College of Education section, this catalogue.

?Indicates courses required in major. These courses must be taken until a grade of "C" or better is obtained if they are courses in Biological Sciences.

CONCENTRATION ELECTIVES

Concentration in General Biology

Microbiology 225 and a 300-/400-level course	8 S.H.
Botany 205 and a 300-/400-level course	8 S.H.
Zoology 201 and a 300-/400-level course	8 S.H.
Chemistry 261-263 or 265-267	4 S.H.
Chemistry 281-283 or 266-268	<u>4 S.H.</u>
	32 S.H.

Concentration in Botany

Botany 205	4 S.H.
Botany 300 or 400 level	16 S.H.
Chemistry 261-263 or 265-267	4 S.H.
Chemistry 281-283 or 266-268	<u>4 S.H.</u>
	28 S.H.

Concentration in Zoology (Pre-Professional/Graduate School)

Zoology 201 or 455	4 S.H.
Zoology 202	4 S.H.
Zoology 392	4 S.H.
Zoology 300 or 400 level	8 S.H.
Chemistry 265-267	4 S.H.
Chemistry 266-268	<u>4 S.H.</u>
	28 S.H.

Concentration in Zoology (Applied)

Zoology 201 and 202	8 S.H.
Zoology 300 or 400 level	12 S.H.
Chemistry 261-263 or 265-267	4 S.H.
Chemistry 281-283 or 266-268	<u>4 S.H.</u>
	28 S.H.

Concentration in Microbiology

Microbiology 225	4 S.H.
Microbiology 453	4 S.H.
Microbiology 300 or 400 level	12 S.H.
Chemistry 251	3 S.H.
Chemistry 253	2 S.H.
Chemistry 254	2 S.H.
Chemistry 265-267	4 S.H.
Chemistry 266-268	<u>4 S.H.</u>
	35 S.H.

Concentration in Environmental Studies*

General Biology 281	3 S.H.
General Biology 395	3 S.H.
General Biology 450	1 S.H.
(up to 4 cr may be taken)	
Chemistry 261-263 or 265-267	4 S.H.
Chemistry 281-283 or 266-268	<u>4 S.H.</u>
	15 S.H.

*The student should take at least 30 credits from among the following courses, with at least 3 courses from Group A, 2 courses from Group B, 2 courses from Group C, and 2 additional courses chosen from Groups A, B, or C.

Group A - Biology Electives (at least 3 courses required) 9-12 S.H.

General Biology 402, 404, 406, 439, 442,
Botany 481,
Microbiology 338, 422,
Zoology 201, 309, 328, 352, 438, 454, 456, 457, 470

Group B - Other Science Electives (at least 2 courses required) 4-8 S.H.

Horticulture 261, 301, 363,
Earth Science 101-103, 102-104,
Chemistry 251, 253, 254, 451, 453,
Industrial Technology Ed 261,
Cultural Resource Management 401

Group C - Social Science Electives (at least 2 courses required) 6

S.H.

Political Science 460,
Geography 103, 131, 401,
Sociology 401, 452

Note: Potential Minor in Chemistry - With the proper selection of elective courses from Groups A and B above, the student may obtain a minor in Chemistry with emphasis on Environmental Chemistry. Students interested in Environmental Chemistry should consult with an advisor regarding this option.

*Press your **BACK** button to return to the Departmental Listing.*

Updated 1 Sep 99.