BIOLOGY • Biology and Environmental/Marine Science Dual Degree

2013-2014

BIOLOGICAL SCIENCES DEPARTMENT • HENSON SCHOOL

Rev. 6/13

NAME:_____ ID#:_____ DATE:_____

THIS CHECKLIST IS AN UNOFFICIAL TOOL FOR PLANNING.

Matriculated students and advisors should consult the Academic Requirements Report in GullNet before and after registering for classes each semester to track academic progress.

UNIVERSITY POLICIES

- Refer to the SU catalog for approved prerequisites and General Education courses.
- Requirements may not equal 120 credit hours. Students must register for additional electives to complete 120 credits required for graduation.
- All graduates must have a minimum of 30 credits of 300/400-level courses with C grade or above; at least 15 of those credits must be taken at SU.
- Students must have a minimum cumulative GPA of 2.0 for graduation.
- Students must complete at least 30 credit hours by direct classroom instruction and/or laboratory experience.
- Students must take 30 of the last 37 credit hours at SU.
- It is the student's responsibility to satisfy graduation requirements. Please refer to the SU catalog for detailed major requirements.
- Students must apply online for graduation by November 15 for May and by May 15 for December.

GENERAL EDUCATION REQUIREMENTS

Course No. & Title	#Credits	Grade	Term Completed
Group I: English Composition and Literature (2 courses)			
A. ENGL103 (C or better) or HONR 111	4	____	_____
B. Literature course (from either ENGL or MDFL Depts.)	4	____	_____
Group II: History (2 courses)			
A. HIST101, 102, or 103	4	____	_____
B. HIST101, 102, 103 or a HIST course above 103	4	____	_____
Group III: Humanities and Social Sciences (3 courses)			
A. Select one course from one of the following seven areas: ART, CMAT, DANC or THEA, MDFL, MUSC, PHIL, HONR 211			
_____	4	____	_____
B. Select one course from one of the following eight areas: ANTH, CADR, ECON, Human GEOG, POSC, PSYC, SOCI, HONR 112			
_____	3/4	____	_____
C. Select one course from either Group IIIA or IIIB (course must be from a different area than previously selected)			
_____	3/4	____	_____
Group IV: Natural Science, Math and Computer Science (4 courses)			
A. Select courses with laboratories from at least two of the following four areas: BIOL, CHEM, GEOL or Physical GEOG, PHYS			
		FULFILLED BY MAJOR	
		FULFILLED BY MAJOR	
B. Select one additional course (need not be a lab) from Group IVA or ENVH or COSC or MATH or HONR 212			
		FULFILLED BY MAJOR	
C. Select one course from MATH			
		FULFILLED BY MAJOR	
Group V: Health Fitness (1 course)			
PHEC106 - Personalized Health/Fitness	3	____	_____

MAJOR REQUIREMENTS

- Complete 44 hours of biology courses with a minimum GPA of 2.0; 24 of those hours must be at the 300/400 level.

Course No. & Title	#Credits	Grade	Term Completed
BIOLOGY CORE			
Complete the following:			
BIOL210* - Biology: Concepts & Methods	4	____	_____
BIOL212* - Introduction to Plant Biology	4	____	_____
BIOL213* - Zoology	4	____	_____
BIOL310- Ecology	4	____	_____
BIOL350 - Cell Biology	4	____	_____
BIOL375 Evolution	3	____	_____
* A C or better is required in BIOL210, 212 and 213 before taking any courses for which they are a prerequisite and as a requirement for graduation.			
Complete 1 of the following:			
BIOL360 - Genetic Analysis	4	____	_____
BIOL370 - Molecular Genetics	4	____	_____
ENVIRONMENTAL MARINE SCIENCE COURSES			
BIOL201** - Marine Zoology	4	____	_____
BIOL202(lec)/203(lab)** - Marine Botany	4	____	_____
BIOL401 - Wetland Ecology	4	____	_____
BIOL410 - Estuarine Biology	3	____	_____
ENVS202(lec)/204(lab)** - Oceanography	4	____	_____
ENVS221(lec)/222(lab)** - Principles of Environmental Science	4	____	_____
ENVS403(lec)/405(lab)** - Marine Exotoxicology	4	____	_____
ENVS460** - Earth Science	3	____	_____
** UMES courses; C or better is required.			
REQUIRED RELATED SCIENCES COURSES			
CHEM121*** - General Chemistry I	4	____	_____
CHEM122*** - General Chemistry II	4	____	_____
CHEM221 - Organic Chemistry I	4	____	_____
PHYS121 - General Physics I	4	____	_____
PHYS123 - General Physics II	4	____	_____
MATH155 - Modern Statistics with Computer Analysis	3	____	_____
*** A C or better is required in CHEM121 and 122 before taking any courses for which they are a prerequisite and as a requirement for graduation.			
Complete 1 of the following:			
GEOG104 - Earth and Space Science	4	____	_____
GEOG105 - Introduction to Physical Geography	4	____	_____
GEOG219 - Map Analysis and Interpretation	4	____	_____
Complete 1 of the following:			
MATH198 - Calculus for Biology and Medicine	4	____	_____
MATH201 - Calculus I	4	____	_____
Complete 1 of the following:			
MATH202 - Calculus II	4	____	_____
_____	3/4	____	_____
(environmental elective – choose 1 from: GEOG 311, 316, 319, 321, 325, 401, 402; GEOL 405; BIOL 433)			

Salisbury UNIVERSITY

(Curriculum Guide on the back)

CURRICULUM GUIDE*

* This is a suggested curriculum guide. The exact sequence of courses may differ: some courses may be taken during semesters other than indicated. Consult with your academic advisor for the best courses to take each semester.

FRESHMAN YEAR

Courses	#Credits
Fall Semester	
BIOL210 - Biology: Concepts & Methods	4
CHEM121 - General Chemistry I	4
General Education Group IIIA	4
HIST101, 102, or 103	4
Total	**16**
Cumulative Total	**16**
Spring Semester	
BIOL212 - Intrduction. to Plant Biology	4
CHEM122 - General Chemistry II	4
GEOG104 - Earth and Space Science	
or	
GEOG105 - Introduction to Physical Geography	
or	
GEOG219 - Map Analysis and Interpretation	3/4
PHEC106 - Personalized Health/Fitness	3
Total	**14/15**
Cumulative Total	**30/31**

SOPHOMORE YEAR

Courses	#Credits
Fall Semester	
BIOL213 - Zoology	4
CHEM221 - Organic Chemistry I	4
BIOL202(lec)/203(lab) - Marine Botany [F]	4
ENVS202(lec)/204(lab) - Oceanography [F]	4
Total	**16**
Cumulative Total	**46/47**
Spring Semester	
BIOL350 - Cell Biology	4
ENGL103 - Composition and Research	4
BIOL201 - Marine Zoology [S]	4
ENVS221(lec)/222(lab) - Principles of Environmental Science [S]	4
Total	**16**
Cumulative Total	**62/63**

JUNIOR YEAR

Courses	#Credits
Fall Semester	
BIOL360 - Genetic Analysis	
or	
BIOL370 - Molecular Genetics	4
MATH198 - Calculus for Biology and Medicine	
or	
MATH201 - Calculus I	4
PHYS121 - General Physics I	4
Literature course (from either ENGL or MDFL Depts.)	4
Total	**16**
Cumulative Total	**78/79**
Spring Semester	
BIOL310- Ecology	4
MATH155 - Modern Statistics with Computer Analysis	3
PHYS123 - General Physics II	4
HIST101, 102, 103 or a HIST course above 103	4
Total	**15**
Cumulative Total	**93/94**

SENIOR YEAR

Courses	#Credits
Fall Semester	
ENVS403(lec)/405(lab) - Marine Exotoxicology [F]	4
MATH202 - Calculus II	
or	
Environmental Elective	3/4
BIOL401 - Wetland Ecology [F]	4
BIOL410 - Estuarine Biology [F]	3
Total	**14/15**
Cumulative Total	**107/109**
Spring Semester	
BIOL375 Evolution	3
ENVS460 - Earth Science [S]	3
General Education Group IIIB	4
General Education Group IIIC	4
Total	**14**
CUMULATIVE TOTAL	**121/122**

[F] - Offered only in fall
[S] - Offered only in spring