

Biological Sciences (BS)
Degree Plan (BSCBS) (BSCGCBS)
SUGGESTED COURSE SEQUENCE GUIDELINES

- These are suggested course sequence guidelines. Students must consult the USM Undergraduate Bulletin and their academic advisor.
- First and Second Year courses are listed as Junior/Community Colleges courses with equivalent USM courses in brackets.
- During the last semester of the Sophomore year, students should develop a more detailed plan for the Junior and Senior years because many upper level BSC courses are offered in specific semesters (Fall or Spring only) and/or on a rotating two year cycle.
- Some courses may require additional prerequisites.

COMMUNITY COLLEGE / JUNIOR COLLEGE (62 hours)			
FRESHMAN		SOPHOMORE	
1st Semester		1st Semester	
BIO 1134 - General Biology I [BSC 110/L]	4	BIO 2424 - Zoology II [BSC 201/L]	4
CHE 1214 - General Chemistry I [CHE 106/L]	4	CHE 2425 - Organic Chemistry I [CHE 255/L]	4
MAT 1613* - Calculus I [MAT 167]	3	PHY 2414 - General Physics [PHY 111/L]	4
ENG 1113 - English Composition I [ENG 101]	3	ENG 2423 - World Literature [ENG 203]	3
HIS 1163 - World Civilization I [HIS 101] <i>or</i> HIS 2213 - American History I [HIS 201]	3	Select at least 1 hour of Elective	1
2nd Semester		2nd Semester	
BIO 1144 - General Biology II [BSC 111/L]	4	BIO 1314 - Botany [BSC 226/L]	4
CHE 1224 - General Chemistry II [CHE 107/L]	4	CHE 2435 - Organic Chemistry II [CHE 256/L]	4
ENG 1123 - English Composition II [ENG 102]	3	PHY 2424 - General Physics [PHY 112/L]	4
HIS 1173 - World Civilization II [HIS 102] <i>or</i> HIS 2223 - American History II [HIS 202]	3	EITHER select one <i>Social Sciences</i> course: SOC 2231 [ANT 101] <i>or</i> GEO 1113 [GHY 101] <i>or</i> SOC 2113 [SOC 101]	3
		OR select one <i>Decision-Making and Responsibility</i> course: PSC 1113 [PS 101] <i>or</i> PSY 1513 [PSY 110] <i>or</i> ECO 2113 [ECO 101]	
TOTAL	31	TOTAL	31

*Calculus is required for this major. Students may enroll in Calculus if the ACT mathematics subtest score is ≥ 26 ; otherwise, they must take prerequisite courses, typically College Algebra and/or Trigonometry. Entering freshmen with an ACT mathematics subtest score of ≤ 16 must take Intermediate Algebra during the first semester. Students with an ACT mathematics subtest score of 17-19 are **strongly encouraged** to take Intermediate Algebra before taking College Algebra. Students may take Trigonometry if the ACT mathematics subtest score is ≥ 24 or if they have a grade of C or better in College Algebra.

UNIVERSITY OF SOUTHERN MISSISSIPPI (62 hours)			
JUNIOR YEAR		SENIOR YEAR	
BSC 380/L - Microbiology	4	BSC 360 - Cellular Physiology	3
Select at least 3 hours of <i>Ecology</i> : BSC 340 <i>or</i> BSC 382 <i>or</i> BSC 435/L <i>or</i> BSC 436/L <i>or</i> BSC 440/L <i>or</i> BSC 441/L <i>or</i> BSC 442/L <i>or</i> BSC 443/L	3	BSC 370 - Genetics	4
EITHER select one <i>Social Sciences</i> course: ANT 101 <i>or</i> GHY 101 <i>or</i> SOC 101	3	Select at least 3 hours of <i>Physiology</i> : BSC 431/L <i>or</i> BSC 450 <i>or</i> BSC 451 <i>or</i> BSC 452 <i>or</i> BSC 453 <i>or</i> BSC 454L <i>or</i> BSC 487/4L	3
OR select one <i>Decision-Making and Responsibility</i> course: COH 100 <i>or</i> ECO 101 <i>or</i> PHI 171 <i>or</i> PS 101 <i>or</i> PSY 110		Select 2-4 hours 300 or 400 level courses from BSC	4
Select one <i>Aesthetic Values</i> course: ART 130 <i>or</i> DAN 130 <i>or</i> MUS 365 <i>or</i> THE 100	3	BSC 497 - Senior Capstone	1
Select one <i>Computer Competency</i> course: PSY 360 <i>or</i> CSS 211 <i>or</i> CSS 240 <i>or</i> CSS 330 <i>or</i> CSS 333	3	Select one <i>Upper Level Writing Intensive</i> course: ENG 333 <i>or</i> other approved WI course	3
Select one <i>Oral Communication</i> course: SCM 111 <i>or</i> SCM 305 <i>or</i> SCM 320 <i>or</i> SCM 330	3		
Choose Electives, Minor courses, or other courses as needed to fulfill the hours to degree.		Choose Electives, Minor courses, or other courses as needed to fulfill the hours to degree.	
TOTAL	31	TOTAL	31