UAEU كلية العلوم College of Science

جامعة الإمارات العربية المتحدة United Arab Emirates University

Bachelor of Science in Biology

Model Study Plan for the Biology Curriculum (2019 and later cohorts)

First Year	
Fall	Spring
Basic Biology I BIOC 100 (3)	Basic Biology II BIOC 160 (4)
Biology Laboratory 1 BIOC 155 (1)	Biology Laboratory 2 BIOC 165 (1)
Calculus I MATH 105 (3)	General Chemistry II for Science Students CHEM 113 (3)
General Chemistry I CHEM 111 (3)	General Chemistry Lab CHEM 115 (1)
Sustainability (3)	Calculus II MATH 110 (3)
General Education (3)	General Education (3)
Total = 16	Total = 15
Second Year	
Fall	Spring
Basic Ecology BIOC 250 (3)	Cell & Molecular Biology BIOC 290 (3)
General Genetics BIOC 270 (3)	Concentration Elective (3)
Genetics Laboratory BIOC 275 (1)	Organic Chemistry I CHEM 241 (3)
General Physics I PHYS 105 (3)	Organic Chemistry Lab. CHEM 245 (1)
General Physics Lab I PHYS 135 (1)	General Physics II PHYS 110 (3)
Free Elective (3)	General Education (3)
General Education (3)	
Total = 17	Total = 16
Third Year	
Fall	Spring
Concentration Elective (3)	Concentration Elective (3)
Concentration Elective (3)	Concentration Elective (3)
Physical Geology GEOL 100 (3)	Concentration Elective (3)
Statistics for Biology STAT 235 (3)	General Education (3)
General Education (3)	General Education (3)
Free Elective (3)	
Total = 18	Total = 15
Fourth Year	
Fall	Spring
Concentration Elective (3)	Advanced Bio-applications BIOC 490(2)
Concentration Elective (3)	Internship Program BIOL 500 (6)
Concentration Elective (3)	
General Education (3)	
Research Project BIOC 480 (3)	
Total = 15	Total = 8