Requirement Checksheet - Biological Sciences BS

Effective Catalog Year 2020 and later

University Requirements	Credits	Course	✔
English 110 (need a C-)	3		
Multicultural Course	3		
First Year Experience	1		
Discovery Learning Experience (Experimental Biology course)	3		
Capstone Experience (for students entering in Fall 2017 and later)			
Residency: must complete either 90 out of the first 100 credits at UD, or 30 out of the final 36 credits at UD.			

College of A&S Skills Requirements	Credits	Course	✔
Second Writing Course (min. grade C-; *course must be taken after completion of at least **60** college credits to satisfy this requirement*; approved courses are ***section-specific***)	3		
Foreign Language *(min. grade D-; must complete the intermediate level (107 or 112 or 202 (depending on the language)or higher or exemption*	0-12		
Math *(min. grade D-; MATH 113, 114, 115 or 117 or a MATH course at the 2xx level or above (but NOT 201, 202, 205, 250, 251, 252, 253, 266, 300, or 450). Or proficiency exam*	3-4	MATH 221 or 241	

University and College of Arts and Sciences Breadth Requirements (combined) *Min. grade C- in each course (may not be taken pass/fail). University Breadth courses must be taken from **four** different subject areas. Students in a single major may NOT satisfy these with courses from their major area. A total of **21** credits from Group A, Group B, and Group C is required with a minimum of **six** credits in each group.*	Credits	Course	✔
Group A: Creative Arts and Humanities			
University Course	3		
College Course	3		
Group B: History and Cultural Change			
University Course	3		
College Course	3		
Group C: Social and Behavioral Sciences			
University Course	3		
College Course	3		
Additional course from Group A, B, or C			
College Course	3		

Biology Major Requirements	Credits	Completed?
Biology Courses: *Minimum grade C- required in all BISC courses for a total of at least **43** credits in biology*		
Required Lecture Courses: Take all three		
BISC 207 Introductory Biology I	4	
BISC 208 Introductory Biology II	4	
BISC 403 Genetics	3	
Lecture Courses: Select any 2 of the following 6		
BISC 300 Introduction to Microbiology	4	
BISC 302 General Ecology	3	
BISC 305 Cell Biology	3	
BISC 306 General Physiology	3	
BISC 401 Molecular Biology of the Cell	3	
BISC 495 Evolution	3	
Course in Experimental Biology: *The corresponding lecture is a prerequisite. (THE LECTURE AND THE LAB CANNOT BE TAKEN SIMULTANEOUSLY). Select **2** of the 7 options:*	6-7	
BISC 312 Field Ecology	3	
BISC 315 Experimental Cell Biology	3	
BISC 316 Experimental Physiology	3	
BISC 411 Experimental Molecular Biology	4	
BISC 413 Advanced Genetics Laboratory	3	
BISC 484 Computer Based Genetics Laboratory	3	
BISC 451/452 Senior Thesis or UNIV 401/402 Senior Thesis for Degree with Distinction	6 6	
Literature-based Biology Course: *Choose **one** from approved list.*	3-4	
Biology Electives Biology electives at the 300-level or above to total 43 credit hours in Biological Sciences. BISC 100, BISC 207, and BISC 208 count towards the total of 43 credits needed for the major. Nine of the 43 credit hours may come from a list of Approved courses from other academic units (minimum grade C)		
Related Coursework: *Min. grade of D (not D-) is required.*		
CHEM 103/133 or CHEM 107	4	
CHEM 104/134 or CHEM 108	4	
CHEM 321/325 and CHEM 322/326 or CHEM 331/333 and 332/334	8	
CHEM 214, 342, 527 or 641	3	
PHYS 201 or PHYS 207	4	
PHYS 202 or PHYS 208	4	
MATH 221 or MATH 241	3-4	
STAT 200 or equivalent	3	
Free Electives: *sufficient elective credits must be taken to meet the minimum credit requirement for the degree= 124 credits*		