

Requirement Checksheet - Biological Sciences BS

Concentration in CMG

Effective Catalog Year 2017 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-; <i>course must be taken after completion of at least 60 college credits to satisfy this requirement; approved courses are section-specific</i>)	3		
Foreign Language (min. grade D-; <i>must complete the intermediate level (107 or 112 or 202 (depending on the language) or higher or exemption</i>)	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)	Credits	Course	✓
<i>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.</i>			
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 five			
BISC 207	Introductory Biology I	4	
BISC 208	Introductory Biology II	4	
BISC 305	Cell Biology	3	
BISC 401	Molecular Biology of the Cell	3	
BISC 403	Genetics	3	
Elective Lecture Courses: Select any 1 of the following 3			
BISC 300	Introduction to Microbiology	4	
BISC 302	General Ecology	3	
BISC 306	General Physiology	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	6	
or			
UNIV 401/402	Senior Thesis for Degree with Distinction	6	
Literature-based Biology Course: Choose one from approved list (see catalog for current list); must also be listed in groups A-E below.		3-4	
Biology Electives from the following groups to total 43 cr.: Must select from a min. of 2 groups (see catalog for courses). Six of the 43 credit hours may come from a list of approved courses from other academic units (min. grade C, not C-).			
Group A. Genetics			
Group B. Molecular Biology and Biochemistry			
Group C. Cell Biology			
Group D. Physiology			
Group E. Bioinformatics			
Related Coursework: Min. grade of D (not D-) is required.			
CHEM 103 or CHEM 107		4	
CHEM 104 or CHEM 108		4	
CHEM 321/325 and CHEM 322/326		8	
CHEM 527 or equivalent		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			