

Requirement Checksheet

Biological Sciences Education BA

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 (only 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 (<i>min. grade C-; 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 (<i>min. grade D-; must complete the intermediate level (107 or 112 or 202 (depending on the language) or higher, or exemption</i>)	0-12		
Math (<i>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</i>)	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. Within each breadth group, courses must be from at least two departments.</i>			
Group A: Creative Arts and Humanities			
University Course	3		
College Course	3		
College Course	3		
Group B: History and Cultural Change			
University Course	3		
College Course	3		
College Course	3		
Group C: Social and Behavioral Sciences			
University Course	3		
College Course	3		
College Course	3		
Group D: Mathematics, Natural Sciences, & Technology (Including one lab)			
University Course	4	CHEM 103 or 107	
College Course with lab	4	BISC 207	
College Course	4	BISC 208	

Biology Major Requirements		Credits	Completed?
Biology Courses: Minimum grade C- required in all BISC courses for a total of at least 33 credits in biology. To be eligible to student teach, Biological Sciences Education students must have a GPA of at least 2.75 in the biology major and an overall GPA of at least 2.5.			
Required Core Courses			
BISC 207	Introductory Biology I	4	
BISC 208	Introductory Biology II	4	
BISC 302	General Ecology	3	
BISC 306	General Physiology	3	
BISC 305 BISC 401	Cell Biology or Molecular Biology of the Cell	3	
BISC 403	Genetics	3	
Two Courses in Experimental Biology: The corresponding lecture is a prerequisite. (Lecture and lab can NOT be taken simultaneously.)			
BISC 312 BISC 316	Field Ecology or Experimental Physiology	3	
And			
BISC 315 BISC 411 BISC 413 BISC 484	Experimental Cell Biology or Experimental Molecular Biology or Advanced Genetics Laboratory or Computer Based Genetics Laboratory	3-4	
Literature-based Biology Course: Choose one from approved list (see catalog for current list)		3-4	
Biology Electives: Biology courses at the 300-level or above. Six of the 33 cr. may come from a list of approved courses from other academic units (see catalog for current list). Min. grade of C (not C-) is required for courses from other academic units.			
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 or CHEM 213/215, and CHEM 214/216		8	
PHYS 201 or PHYS 207		4	
PHYS 202 or PHYS 208		4	
MATH 221 or MATH 241		3-4	
GEOL 107 General Geology (only offered in the fall)		4	
Geology Elective		3-4	
Education Courses: Min. grade of C- is required in all required EDUC courses and SCEN 491			
EDUC 400 Student Teaching (All other degree requirements must be completed before taking EDUC 400, which is only offered in the spring.)		9	
EDUC 413 Adolescent Development and Educational Psychology		3	
EDUC 414 Teaching Exceptional Adolescents		3	
EDUC 419 Diversity in Secondary Education		3	
EDUC 420 Reading in the Content Areas		1	
SCEN 491 Teaching Science in Secondary Schools		4	
Free Electives: sufficient elective credits must be taken to meet the minimum credit requirement for the degree = 124 credits			