

Requirement Checksheet - Biological Sciences BS

Concentration in Pharmaceutical Sciences

Effective Catalog Year 2020 and later

University Requirements	Credits	Course	✓
English 110 (min. grade C-)	3		
Multicultural Course (should also fulfill Breadth requirement)	3		
First Year Experience	1		
Discovery Learning Experience (BISC 316 Exp. Physiology Lab)	3		
Capstone Experience (only for students entering in Fall 2017 and later)			

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; should also fulfill breadth requirement</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		

This degree program is a collaboration between UD and the Thomas Jefferson University (TJU) School of Pharmacy. The courses taken in the first year (and if necessary, in the second year) at TJU will complete the requirements for the B.S. degree from UD while at the same time serve as the first year (and if necessary, the second year) of the Pharmacy program. After the four years are completed at TJU, the student will receive a (PharmD) degree. There are six basic aspects to the application procedure:

1. Successful completion of all Thomas Jefferson University prerequisites.
2. A minimum grade point average of 2.7. However, to be competitive, a student must obtain a grade point average of around 3.3 in the sciences.
3. Completion of prerequisite courses with at least a C in each course.
4. Acceptable PCAT scores (scores in the 70th percentile or higher are very desirable).
5. Completion of formal application (PharmCAS) to Thomas Jefferson for admission into the PharmD program which includes a minimum of two letters of recommendation and a personal statement.
6. Acceptable performance in an interview administered by Thomas Jefferson University's admission committee.

Students who are accepted to the TJU program will change their UD major to the B.S. in Biological Sciences with a concentration in Pharmaceutical Sciences (PS)

Biology Major Requirements	Credits	Completed?
I. Prerequisite courses for admission		
Biology Courses: Min. grade C- required in all BISC courses (TJU requires a min. of C)		
Required Biology Courses		
BISC 207	Introductory Biology I	4
BISC 208	Introductory Biology II	4
BISC 300	Introduction to Microbiology	4
BISC 306	General Physiology	3
BISC 316	Experimental Physiology	3
BISC 442	Vertebrate Morphology	4
Note: Taking more BISC courses will reduce the number of TJU courses needed to fulfill the 43 BISC cr. requirement.		
Related Coursework: Min. grade of D (not D-) is required. (TJU requires a min. of C)		
CHEM 103/133 or CHEM 107		4
CHEM 104/134 or CHEM 108		4
CHEM 321/325 and CHEM 322/326		8
PHYS 201 or PHYS 207		4
PHYS 202 or PHYS 208		4
MATH 221 or MATH 241		3-4
Additional TJU Admissions Requirements:		
These courses fulfill the Thomas Jefferson University Social Sciences and Humanities required electives. Courses should be carefully selected from the University Breadth, Arts & Sciences Breadth for the BS degree, the Multicultural Course Requirement, and the Arts & Sciences Second Writing Requirement to satisfy these TJU prerequisites for admission.		
3 courses in languages, literature, philosophy, religion, arts		9
3 courses in sociology, psychology, anthropology, political science		9
II. Additional courses taken at Thomas Jefferson University – see catalog		
Specified courses transfer as BISC credits and can be applied towards the 43 required BISC cr. and to the total 124 cr. required to complete the BS degree from UD		