

2020-21 Checklist for Bachelor of Science in Biology, Pre-Pharmacy Concentration

MAJOR COURSES		GENERAL EDUCATION CORE (43 hours)	
Required Courses (30 hours):		College Success Skills (2 hours)	
BIOL 120 General Biology II <u>and</u>		OREN 105	
BIOL 120L General Biology II Lab			
BIOL 201 Genetics <u>and</u>		Communication (6 hours Composition & 3 hours COMM/SPCH required)	
BIOL 201L Genetics Lab		ENGL 110 or validation by ACT/SAT	
BIOL 202 Microbiology <u>and</u>		ENGL 111 or ENGH 111	
BIOL 202L Microbiology Lab		COMM 210, 212, 220; SPCH 101	
BIOL/CHEM/EVSC 395 Junior Seminar in Natrl Sci			
BIOL/CHEM/EVSC 480 Global Environ & Hlth Issues		Mathematics (4 hours)	
BIOL/CHEM/EVSC 495 Senior Seminar in Natrl Sci		MATH 190 (Required for the major.)	
CHEM 101 General Chemistry I <u>and</u>			
CHEM 101L General Chemistry I Lab		Arts and Humanities (6 hours -- 3 hours must be in literature)	
CHEM 102 General Chemistry II <u>and</u>		Literature: ENGL 201, 204, 205, 206, 207, 213, 214, 215, 217, 219, 223, 224, 225, 227, 228, 231, 245, 250	
CHEM 102L General Chemistry II Lab		Fine Arts and Humanities : ARTS 110, 204, 208; ENGL 120, HUMA 222, MUSC 101, RELG 101, 102, 201, 230; THEA 104	
Choose BIOL 308/308L or BIOL 315/315L			
BIOL 308 Immunology <u>and</u>			
BIOL 308L Immunology Lab			
BIOL 315 Cellular and Molecular Biology <u>and</u>		Natural Science (4 hours -- lab required)	
BIOL 315L Cellular and Molecular Biology Lab		BIOL 110/BIOL 110L (Required for this major.)	
Pre-Pharmacy Concentration (22 hours):		Behavioral Wellness & Social Sciences (6 hours; may use only 3 credits from the wellness area)	
BIOL 302 Human Physiology <u>and</u>		Social Science : *BUSN 201, 202, 208; CRJU 105, GEOG 200, POLS 210, 220; PSYC 101, 206, 207; SOCI 101, 105	
BIOL 302L Human Physiology Lab		Wellness : PHED 201, PSYC 102	
BIOL 321/CHEM 301 Biochemistry (lab not required)		*BUSN 201 required for this major.	
CHEM 203 Organic Chemistry I <u>and</u>			
CHEM 203L Organic Chemistry I Lab		History (6 hours)	
CHEM 204 Organic Chemistry II <u>and</u>		HIST 101, 102, 201, 202; HIST/POLS 280	
CHEM 204L Organic Chemistry II Lab			
MATH 140 Statistics			
PHYS 201 General Physics I <u>and</u>		Religious Studies (3 hours) - If a RELG course was taken for the Arts & Humanities requirement (above), choose another here.	
PHYS 201L General Physics I Lab		RELG 101, 102, 201, 230	
Required Courses from the General Education Core:		Civic Studies (3 hours)	
BIOL 110 General Biology I <u>and</u>		CIVS 223, CIVS 251; POLS 110, 230	
BIOL 110L General Biology I Lab			
BUSN 201 Principles of Economics I			
MATH 190 Calculus I			
		Arts and Lecture Series (no credit hours)	
		Attended ____ of ____ required Arts & Lecture events	
Biology Minor (20 hours)			
BIOL 110/BIOL 110L General Biology I & Lab			
BIOL 120/BIOL 120L General Biology II & Lab			
Choose three additional courses with lab:			
BIOL 201/BIOL 201L Genetics & Lab			
BIOL 202/BIOL 202L Microbiology & Lab			
BIOL/EVSC 301 & BIOL/EVSC 301L Ecology & Lab			
BIOL 302/BIOL 302L Human Physiology & Lab			
BIOL 304/BIOL 304L Human Anatomy & Lab			
BIOL 315/BIOL315L Cellular/Molecular Biol & Lab			
TUSCULUM UNIVERSITY RESERVES THE RIGHT TO REVISE ACADEMIC PROGRAMS AS DEEMED NECESSARY			

Major Courses: 52.00 hrs

General Education core: 43.00 hrs

Elective Hours: 25.00 hrs

Total: 120.00 hours required for graduation

Rev. 3/2020