

2019-20 Checklist for Bachelor of Science in Biology, Medical Pre-Professional Concentration

MAJOR COURSES		GENERAL EDUCATION CORE (42 hours)
Required Courses (33 hrs):		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 and 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 354 Service-Lrng in Natrl Sci		
BIOL/CHEM/EVSC 480 Global Envir & Hlth Issues		Mathematics (3 hours)
BIOL 495 Senior Seminar in Biology		MATH 190 (Required for this 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, 217, 219, 223, 224, 225, 227, 228, 231, 250
CHEM 102L General Chemistry II Lab		
Choose BIOL 308/308L or BIOL 315/315L		Fine Arts and Humanities : ARTS 110, 204, 208; ENGL 120, HUMA 222, MUSC 101, RELG 101, 102, 201, 230; THEA 104
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.)
Medical Pre-Professional Concentration (19 hrs)		Behavioral Wellness and Social Sciences (6 hours; may use only 3 credits from the wellness area)
BIOL 302 Human Physiology <u>and</u>		
BIOL 302L Human Physiology Lab		Social Science : BUSN 201, 202, 208; CRJU 105, GEOG 200, POLS 210, 220; PSYC 101, 206, 207; SOCI 101, 105
BIOL 304 Human Anatomy <u>and</u>		Wellness : PHED 201, PSYC 102
BIOL 304L Human Anatomy Lab		
BIOL 321/CHEM 301 Biochemistry (lab not required)		
Choose one sequence:		History (6 hours)
CHEM 203 Organic Chemistry I <u>and</u>		HIST 101, 102, 201, 202; HIST/POLS 280
CHEM 203L Organic Chemistry I Lab		
CHEM 204 Organic Chemistry II <u>and</u>		Religious Studies (3 hours) - If a RELG course was taken for the Arts & Humanities requirement (above), choose another here.
CHEM 204L Organic Chemistry II Lab		
OR		RELG 101, 102, 201, 230
PHYS 201 General Physics I <u>and</u>		
PHYS 201L General Physics I Lab		Civic Studies (3 hours)
PHYS 202 General Physics II <u>and</u>		CIVS 223, CIVS 251; POLS 110, 230
PHYS 202L General Physics II Lab		
Required Courses from the General Education Core		Arts and Lecture Series (no credit hours)
BIOL 110 General Biology I <u>and</u>		Attended ____ of ____ required Arts & Lecture events
BIOL 110L General Biology I Lab		
MATH 190 Calculus I		
TUSCULUM UNIVERSITY RESERVES THE RIGHT TO REVISE ACADEMIC PROGRAMS AS DEEMED NECESSARY		

Major Courses: 52.00 hrs

General Education core: 42.00 hrs

Elective Hours: 26.00 hrs

Total: 120.00 hours required for graduation

Revised 7/2019