

2019-20 Checklist for Bachelor of Science in Chemistry

MAJOR COURSES		GENERAL EDUCATION CORE (42 hours)	
Required Core Courses (45 hours)		College Success Skills (2 hours)	
CHEM 102 General Chemistry II <u>and</u>		OREN 105	
CHEM 102L General Chemistry II Lab			
CHEM 203 Organic Chemistry I <u>and</u>		Communication (6 hours Composition and 3 hours COMM/SPCH required)	
CHEM 203L Organic Chemistry I Lab		ENGL 110 or validation by ACT/SAT	
CHEM 204 Organic Chemistry II <u>and</u>		ENGL 111 or ENGH 111	
CHEM 204L Organic Chemistry II Lab		COMM 210, 212, 220; SPCH 101	
CHEM 301 Biochemistry (lab not required)			
CHEM 321 Analytical Chemistry <u>and</u>		Mathematics (3 hours)	
CHEM 321L Analytical Chemistry I Lab		MATH 190 (Required for this major.)	
CHEM 322 Instrumental Analysis <u>and</u>			
CHEM 322L Instrumental Analysis Lab		Arts and Humanities (6 hours -- 3 hours must be in literature)	
CHEM/BIOL/EVSC 354 Service-Lrng in Natrl Sciences		Literature : ENGL 201, 204, 205, 217, 219, 223, 224, 225, 227, 228, 231, 250	
CHEM 411 Physical Chemistry I <u>and</u>		Fine Arts and Humanities : ARTS 110, 204, 208; ENGL 120, HUMA 222, MUSC 101, RELG 101, 102, 201, 230; THEA 104	
CHEM 411L Physical Chemistry I Lab			
CHEM 495 Senior Seminar in Chemistry			
MATH 290 Calculus II			
PHYS 201 General Physics I <u>and</u>		Natural Science (4 hours -- lab required)	
PHYS 201L General Physics I Lab		CHEM 101/CHEM 101L (Required for this major.)	
PHYS 202 General Physics II <u>and</u>			
PHYS 202L General Physics II Lab		Behavioral Wellness & Social Sciences (6 hours; may use only 3 credits from the wellness area)	
Additional Chemistry Courses (17 hours)		Social Science : BUSN 201, 202, 208; CRJU 105, GEOG 200, POLS 210, 220; PSYC 101, 206, 207; SOCI 101, 105	
CHEM 351 Global Topics in Chemistry		Wellness : PHED 201, PSYC 102	
CHEM 412 Physical Chemistry II			
CHEM 421 Inorganic Chemistry			
CHEM 422L Synthesis and Spectroscopy Lab		History (6 hours)	
CHEM 451 Internship and Ext Research in Chem OR		HIST 101, 102, 201, 202; HIST/POLS 280	
CHEM 490 Research (minimum 3 credit hours)			
CISC 105 Intro to Problem Solving & Algorithm Dev		Religious Studies (3 hours) - If a RELG course was taken for the Arts & Humanities requirement (above), choose another here.	
Required Courses from the General Education Core		RELG 101, 102, 201, 230	
CHEM 101 General Chemistry I <u>and</u>			
CHEM 101L General Chemistry I Lab		Civic Studies (3 hours)	
MATH 190 Calculus I		CIVS 223, CIVS 251; POLS 110, 230	
Chemistry Minor		Arts and Lecture Series (no credit hours)	
Required courses (19-20 hours):		Attended _____ of _____ required Arts & Lecture events	
CHEM 101/CHEM 101L General Chemistry I & Lab			
CHEM 102/CHEM 102L General Chemistry II & Lab			
CHEM 203/CHEM 203L Organic Chemistry I & Lab			
CHEM 204/CHEM 204L Organic Chemistry II & Lab			
Select one of the following:			
CHEM 321/CHEM 321L Analytical Chemistry & Lab			
CHEM 411/CHEM 411L Physical Chemistry I & Lab			
CHEM 421 Inorganic Chemistry			
TUSCULUM UNIVERSITY RESERVES THE RIGHT TO REVISE ACADEMIC PROGRAMS AS DEEMED NECESSARY			

Major Courses: 62.00 hrs

General Education: 42.00 hrs

Elective Hours: 16.00 hrs

Total: 120.00 hours required for graduation

Revised: 7/2019