

Concord University

Bachelor of Science - Chemistry (Pre-Professional)

Name: _____

120 hours minimum for graduation with a 2.00 average overall
56 hours from a four-year institution

Spring 2017 Catalog

Course	Title	CR	GR	QP
Written and Oral Communications (9 credit hours) Select one course from BGEN 205 or COMM 101				
ENGL 101	Composition & Rhetoric I	3		
ENGL 102	Composition & Rhetoric II	3		
		3		
Literature and Humanities (6 credit hours) Select one (1) course from Literature and one (1) course from History and Philosophy. *May be repeated for 3 credit hours.				
	ENGL 203, 204, *203A, *204A or *207A	3		
	HIST 101, 102, 203, 204, PHIL 101, 102, 316, or 360	3		
Fine Arts– (3 credit hours) Select one (1) course from the following:				
	ART 101, 103, 105, 106, 204, 205, 216, 303, 304, 308, MUS 101, *451, *453A, or THEA 102	3		
Social and Behavioral Sciences (9 credit hours) Select one (1) course from three different categories.				
	Category 1 - Business and Professional Studies BGEN 105, ECON 201, ECON 202, FIN 200, RTM 100 or SOWK 161	3		
	Category 2 - Geography GEOG 101, 250 or 321	3		
	Category 3 - Political Science POSC 101, 104, or 202	3		
	Category 4 - Psychology PSY 101 or 200			
	Category 5 – Sociology SOC 101, 201, or 301			
Natural Sciences (7-8 credit hours) Select one (1) course from two different categories.				
	Category 1-Biological Science BIOL 101, 102 or 103	4		
	Category 2-Earth & Space Science GEOL 101, GEOL 150, GEOG 200, PHSC 104, or PHYS 105	3-4		
	Category 3-Physical Science CHEM 100, CHEM 101/111, PHSC 103, PHYS 101, or PHYS 201			
Mathematics (3 credit hours) Select one (1) Mathematics course numbered 100 or higher.				
		3		
Physical Wellness (2 credit hours) Select one or more courses listed below for a total of at least two hours.				
	H ED 120, 304, P ED 101M, 117, 118, or RTM 360	2		
Modern/Classical Language – (Optional 6 credit hours) Select two courses within the same Modern/Classical Language for substitution purposes.				
	May not substitute Modern Language for ENGL 101, ENGL 102, the 3 hour Mathematics requirement or the 4-hour lab science requirement.			

Chemistry Pre-Professional (2.00 GPA required)				
CHEM 101	General Chemistry I	3		
CHEM 111	General Chemistry Lab I	1		
CHEM 102	General Chemistry II	3		
CHEM 112	General Chemistry Lab II	1		
CHEM 210	Chemical Laboratory Safety	1		
CHEM 331	Organic Chemistry I	4		
CHEM 332	Organic Chemistry II	4		
CHEM 351	Analytical Chemistry	3		
CHEM 357	Analytical Chemistry Lab	2		
CHEM 352	Instrumental Analysis	3		
CHEM 358	Instrumental Analysis Lab	2		
	One course/lab from CHEM 341/347, CHEM 401/407, or CHEM 413/417	3 1		
PHYS 101 or PHYS 201	Introductory Physics or University Physics w/Calculus 1	4		
PHYS 102 or PHYS 202	Intermediate Physics or University Physics w/Calculus 2	4		
	Two or more credit hours of 200 level or above Physics electives			
CS 201	Intro. to Computer Programming I	3		
MATH 103	College Algebra	3		
MATH 104	College Trigonometry	3		
MATH 250	Calculus w/Analytic Geometry I	4		

MATH 103 and/or 104 will be waived for students establishing proficiency.

Calculus-based physics recommended; if possible.

RESIDENCE CREDIT:

36 hours at Concord
16 of last 32 hours at Concord
Note: In some degree programs, this is prior to entering professional training.
9 hours in Major, Teaching Fields