Concord University BACHELOR OF SCIENCE - Biology (Pre-PT-PA)

Registrar's Office Official Document

Name:						
120 hours minimum for graduation with a 2.00 average overall						
56 hours from	m a four-year institution Title	CR	CD	ΩĐ		
	Oral Communications (9 credit hours) Select of		GR rse fre	QP		
BGEN 205 or		пс сои	rse jro	,,,,		
ENGL 101	Composition & Rhetoric I	3				
ENGL 102	Composition & Rhetoric II	3				
ENGL 102	Composition & Knetone n	J				
		3				
Literature and	d Humanities (6 credit hours) Select one (1) co	urse fr	om			
	d one (1) course from History and Philosophy.	*May	v be			
repeated for .	3 credit hours. ENGL 203, 204, *2201, *2202, *2203,	T	T	1		
	*2204 or *2205	3				
	HIST 101, 102, 203, 204, PHIL 101, 102,	3				
F' A (2)	210, 316, or 361	. 11 .				
Fine Arts– (3	credit hours) Select one (1) course from the f	ollowii	ıg:			
	ART 101, 103, 105, 106, 204, 205, 216,	2				
	303, 304, 308, MUS 101, *451, *453A, or THEA 102	3				
Social and Be	chavioral Sciences (9 credit hours) Select one (1) cou	rse fro	m		
three differen		-,	, , , , , , , , , , , , , , , , , , ,			
DCX 101	Category 1 - Business and Professional					
PSY 101	<u>Studies</u>	3				
SOC 101	BGEN 105, ECON 201, ECON 202,					
500 101	FIN 200, RTM 100 or SOWK 161 Category 2 - Geography	3				
	GEOG 101, 255 or 321	2				
	Category 3 - Political Science	3				
	POSC 101, 104, or 202					
	Category 4 - Psychology PSY 101 or 200					
	Category 5 – Sociology					
	SOC 101, 201, or 301					
	aces (7-8 credit hours) Select one (1) course fro	om two	differ	ent		
categories.		1	1 0			
BIOL 101	Category 1-Biological Science BIOL 101, 102 or 103	4	See Maj	or		
	Category 2-Earth & Space Science	-	See	OI		
CHEM 101	GEOL 101, GEOL 150,	3-4	Maj	or		
	GEOG 200,					
	PHSC 104, or PHYS 105					
	Category 3-Physical Science					
	CHEM 100, CHEM 101/111,					
	PHSC 103,					
	PHYS 101, or PHYS 201					
Mathematics	(3 credit hours) Select one (1) Mathematics co	ourse n	umber	ed		
100 or higher						
3.6.4 THE 10.5			See			
MATH 105		3	Maj	or		
	lness (2 credit hours) Select one or more cours at least two hours.	ses liste	ed belo	w		
Ja. s. rotat of	H ED 120, 304, P ED 101M, 117, 118, or	2				
	RTM 220					
Modern/Class	sical Language – (Optional 6 credit hours) Sele	ect two	course	es .		
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.					
1	Service requirement.	i				

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

	18-20	19 Cat	alog	
Biology Pre PA-PT (2.00 GPA required)				
General Biology I **	4			
General Biology II **	4			
Cell and Molecular Biology	4			
Microbiology	4			
Human Anatomy and Physiology I	4			
Human Anatomy and Physiology II	4			
Biology Shadowing/Internship I	2			
Biology Shadowing/Internship II	2			
Biology Capstone (May substitute BIOL 452 & 453)	2			
General Chemistry I	3			
General Chemistry Lab I	1			
General Chemistry II	3			
General Chemistry Lab II	1			
Introduction to Physics or University Physics w/Calculus 1	4			
Intermediate Physics or University Physics w/Calculus 2	4			
College Algebra	3			
College Trigonometry	3			
Elementary Statistics	3			
Psychology Elective (300 or 400 level)	3/4			
24 hours of directed electives See next page for suggestions				
	General Biology I ** General Biology II ** Cell and Molecular Biology Microbiology Human Anatomy and Physiology I Human Anatomy and Physiology II Biology Shadowing/Internship I Biology Shadowing/Internship II Biology Capstone (May substitute BIOL 452 & 453) General Chemistry I General Chemistry II General Chemistry Lab I Introduction to Physics or University Physics w/Calculus 1 Intermediate Physics or University Physics w/Calculus 2 College Algebra College Trigonometry Elementary Statistics Psychology Elective (300 or 400 level)	General Biology I ** 4 General Biology II ** 4 Cell and Molecular Biology 4 Microbiology 4 Human Anatomy and Physiology I 4 Human Anatomy and Physiology II 4 Biology Shadowing/Internship I 2 Biology Shadowing/Internship II 2 Biology Capstone (May substitute BIOL 452 & 453) General Chemistry I 3 General Chemistry Lab I 1 Introduction to Physics or 4 University Physics w/Calculus 1 Intermediate Physics or 4 University Physics w/Calculus 2 College Algebra 3 College Trigonometry 3 Elementary Statistics 3 Psychology Elective (300 or 400 level) 3/4 24 hours of directed electives See next	General Biology II ** General Biology II ** Cell and Molecular Biology Microbiology Human Anatomy and Physiology I Human Anatomy and Physiology II Biology Shadowing/Internship I Biology Shadowing/Internship II Biology Capstone (May substitute BIOL 452 & 453) General Chemistry I General Chemistry II J General Chemistry II J Introduction to Physics or University Physics w/Calculus 1 Intermediate Physics or University Physics w/Calculus 2 College Algebra College Trigonometry J Selementary Statistics Psychology Elective (300 or 400 level) 3/4 24 hours of directed electives See next	

Computer Science or Statistics.

MATH 103 and/or MATH 104 are prerequisites to some required courses in the Biology Pre-professional major.

^{**} Students with a strong background in Biology should consider taking the CLEP examination for BIOL 101 & 102 credit

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Directed Electives

EXSS or HED courses 300 or 400 level BIOL, CHEM, CS, AT, PHYS or MATH courses 200 level or above PSY 229

Suggestions for PT/OT:

AT 236	Evaluation of Lower Extremity Injuries (4)
AT 237	Evaluation of Upper Extremity Injuries (4)
AT 238	Evaluation of Head, Neck and Spine Injuries (3)
AT 242	Prevention and Care of Common Injuries and Illnesses (2)
AT 314	Exercise Physiology (3)
AT 329	Therapeutic Exercises I (4)
AT 331	Therapeutic Modalities (4)
BIOL 249	Medical Terminology (3)
EXSS 315	Kinesiology and Biomechanics (3)
EXSS 329	Motor Learning and Development (2)
H ED 303	Principles of Mental and Emotional Health (2)
H ED 304	Principles of Nutrition and Weight Management (2)
H ED 305	Human Disease and Prevention (2)

Suggestions for PA:

BIOL 215	Medicinal Plants and Ethnobotany (4)
BIOL 249	Medical Terminology (3)
BIOL 401	Genetics (4)
BIOL 419	Immunology (4)
CHEM 331	Organic Chemistry I (4)
CHEM 341	Biochemistry (3)
EXSS 329	Motor Learning and Development (2)
H ED 303	Principles of Mental and Emotional Health (2)
H ED 304	Principles of Nutrition and Weight Management (2)
H ED 305	Human Disease and Prevention (2)
H ED 306	Principles of Human Sexuality (3)