

BACHELOR OF SCIENCE / PHARMACEUTICAL SCIENCES MAJOR

UNIVERSITY CORE (min. 44 cr. required)

Foundation Requirements (min. of 21-31 cr.)	cr #	✓
ENG 110 Composition (can test out)	0-3	_____
ENG 120 Critical Writing	4	_____
ENG 201 Writing in the Disciplines	3	_____
COM 200 Public Speaking	3	_____
CIS 101, CIS 103, CIT 110, CS 121, TS 105	3-4	_____
PHY 111 Physics I	4	_____
MAT 131 Calculus I	4	_____
Second Language Proficiency (can test out)		
Two Language courses* selected from: ARA/ASL/CHI/FRE/ITA/JPN/POR/RUS/SPA		
*See second language placement policy		
_____	0-3	_____
_____	0-3	_____
Total Foundation Credits=	<input type="text"/>	

Areas of Knowledge (AOK; min. of 17 cr.)

See web class schedule for list of approved courses

	cr #	✓
Western Heritage - WH		
1 course (formerly AOK 2)	_____	_____
World Cultures & Traditions - WCT		
1 course (formerly AOK 3)	_____	_____
Humanistic & Creative Expressions - HCE		
1 course (formerly AOK 4)	_____	_____
Analysis of Human, Social & Natural Phenomena - HSN		
1 course (formerly AOK 5)	_____	_____
PHY 112 Physics II	4	_____
ONE additional course from WH, WCT, HCE, or HSN	_____	_____
In-Depth Sequence (12 cr.)		
BIO 101 Biology I	4	_____
BIO 102 Biology II	4	_____
BIO 251 Principles of Human Anatomy	4	_____

Required Learning Experiences:

1 Learning Community = LC (2 linked courses) or INT Course

1 Civic Engagement / Public Values = CE (formerly AOK 1)

2 Writing - Enhanced Courses = WEC

2 Anti-Racist Education Courses = ARE

All Can Be Satisfied by Core, Major, or Open Electives

Total Core Credits (min. of 44 cr.)*

MAJOR REQUIREMENTS (66-67 cr.)

Major Courses (55 cr.)	cr #	✓
CHE 111 General Chemistry I	4	_____
CHE 112 General Chemistry II	4	_____
CHE 223 Organic Chemistry I	5	_____
CHE 224 Organic Chemistry II	5	_____
CHE 300 Introduction to Physical Chemistry	4	_____
PHS/CHB 232 Bioanalytical Chemistry & Instrumentation	4	_____
CHE326/BIO 327 Biochemistry	4	_____
PHS 200 Fundamentals of Pharm Sciences	3	_____
PHS 300 Pharmaceutics	3	_____
PHS 310 Pharm Manufacturing & Regulations	3	_____
BIO 346 Introduction to Basic Pharmacology	3	_____
BIO 334 General Physiology	4	_____
BIO 335 Molecular and Cellular Biology	4	_____
PHS 480 Research in Pharm Sci	3	_____
PHS 392/492 Seminar in Pharm Sci	2	_____

Major Elective (3-4 cr.)

Students select at least one course from the list in consultation with an advisor

BIO 264 Microbiology	4	_____
BIO 359 Immunology	4	_____
BIO 325 Neurobiology	3	_____
BIO 231 Genetics	4	_____
CHE 331 Instrumental Analysis	4	_____
CHE 370 Membrane Transport & Ionic Channels	3	_____
BIO 232 Developmental Biology	4	_____
CHE 221 Analytical Methods and Techniques	4	_____

Required Math and Science Courses (8 cr.)

BIO 101 Biology I (in-depth sequence)	0	_____
BIO 102 Biology II (in-depth sequence)	0	_____
BIO 251 Principles of Human Anatomy (in-depth sequence)	0	_____
MAT 131 Calculus I (taken in Core)	0	_____
MAT 132 Calculus II	4	_____
MAT 141 Intro Statistics for the Life Sciences	4	_____
PHY 111 Physics I (taken in Core)	0	_____
PHY 112 Physics II (taken in Core)	0	_____

Total Major Credits=

OPEN ELECTIVES (1-5 cr.)

Range of credits reflects variations in a student's Univ. Core (i.e., testing out 0-9 cr. and/or choosing up to three 3-cr. courses, instead of 4 cr., in foundation requirements).

UNV 101 First Year Seminar	1	_____
_____	_____	_____

Total Elective Credits= *

Total Degree Credits (min. of 120*)=
(Core + Major + Elective)