



**Southwest Minnesota State University - Bachelor's Degree in Biology
to
NWHSU - Doctor of Chiropractic**



MAJOR Southwest Minnesota State University - BA in Biology

Catalog **2013-2014**

SEM/YR	FALL/1st Year	
Course #	Title	Credits
BIOL 200/200L	Introduction to Cellular Biology / Lab (Goal 3)	4
CHEM 231/231L	General Chemistry I / Lab (Goal 3)	4
LEP 100	First Year Seminar (Goal 2)	3
ENG 151	Academic Writing	4
TOTAL		15

SEM/YR	FALL/2nd Year	
Course #	Title	Credits
BIOL 302/302L	Botany / Lab	4
CHEM 351/351L	Organic Chemistry I / Lab	5
ENG 251	Writing in Professions (Goal 1)	3
BIOL 287	Sophomore Biology Seminar	1
MATH 200	Introduction to Statistics (Goal 4)	3
TOTAL		16

SEM/YR	FALL/3rd Year	
Course #	Title	Credits
BIOL 311/311L	Ecology / Lab	4
LEP 400	Contemporary Issues	3
PHYS 141/141L	College Physics I / Lab	4
LEP Course (Goal 6)		3
TOTAL		14

SEM/YR	TRIMESTER 1 (NWHSU)	
Course #	Title	SMSU Credits
13010	Gross Anatomy 1* (3 of 5.5)	3
15010	Histology 1* (3 of 3.75)	3
<i>(NOTE: SMSU accepts a portion of the total course credits, for e.g. e.g. 3 credits of 4.5 total credits)</i>		
TOTAL		6

SEM/YR	SPRING/1st Year	
Course #	Title	Credits
BIOL 201/201L	Introduction to Biodiversity & Evolution / Lab (Goal 10)	4
CHEM 232/232L	General Chemistry II / Lab	5
LEP Course (Goal 5)		3
LEP Course (Goal 7)		3
LEP Course (Goal 8)		3
TOTAL		18

SEM/YR	SPRING/2nd Year	
Course #	Title	Credits
BIOL 321/321L	Genetics / Lab	4
CHEM 352/352L	Organic Chemistry II / Lab	5
COMM 110	Essentials of Speaking and Listening (Goal 1)	3
LEP Course (Goal 5)		3
LEP Course (Goal 7)		3
TOTAL		18

SEM/YR	SPRING/3rd Year	
Course #	Title	Credits
CHEM 373/373L	Biochemistry / Lab	4
BIOL 487	Senior Biology Seminar	1
PHYS 142/142 L	College Physics II / Lab	4
LEP Course (Goal 6)		3
LEP Course (Goal 9)		3
TOTAL		15

SEM/YR	TRIMESTER 2 (NWHSU)	
Course #	Title	SMSU Credits
13120	Gross Anatomy 2* (3 of 5.5)	3
15120	Histology 2* (3 of 3.5)	3
14220	Embryology** (2 of 2)	2
12120	Neuroscience 1** (3 of 4)	3
11120	Physiology 1* (3 of 4.5)	3
TOTAL		14

SEM/YR	SUMMER/1st Year	
Course #	Title	Credits
Course loads per semester can be lightened by taking some LEP courses during the summer		
TOTAL		0

SEM/YR	SUMMER/2nd Year	
Course #	Title	Credits
TOTAL		0

SEM/YR	SUMMER/3rd Year	
Course #	Title	Credits
It is strongly suggested to complete application for graduation (including degree check) before leaving SMSU		
TOTAL		0

SEM/YR	TRIMESTER 3 (NWHSU)	
Course #	Title	SMSU Credits
12230	Neuroscience 2** (3 of 3)	3
11230	Physiology 2* (3 of 4.5)	3
16140	Immunology and Clinical Microbiology** (3 of 3.5)	3
TOTAL		9
NWHSU TOTAL		29
BACHELOR'S DEGREE TOTAL		125

In order to best prepare for the chiropractic curriculum, it is recommended, but not required (and if time allows) that a student take:
 BIOL305/305L Anatomy and Physiology I / Lab
 BIOL306/306L Anatomy and Physiology II / Lab
 BIOL 303/303L Microbiology / Lab (offered in summer and every fall semester)

SMSU Equivalencies:
 * Biology Major Elective
 ** Elective (NU)

The SMSU LEP curriculum must be completed before leaving SMSU Total credits required to be taken at SMSU is 96 credits Total NWHSU credits transferred to SMSU is 29 credits