

## SOUTH DAKOTA BOARD OF REGENTS ACADEMIC AFFAIRS FORMS

## Substantive Program Modification Form

UNIVERSITY:	SDSU
<b>CURRENT PROGRAM TITLE:</b>	Wildlife & Fisheries Sciences (B.S.)
CIP CODE:	03.0601
<b>UNIVERSITY DEPARTMENT:</b>	Natural Resource Management
<b>UNIVERSITY DIVISION:</b>	Agriculture, Food & Environmental Sciences

## **University Approval**

To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.

		Dennis D. Hedge				3/25/2020			
		Vice President of Academic	Affairs of	or	Date				
		President of the Univer	sity						
	1 This r	nodification addresses a change	in·						
		otal credits required within the dis			Total credit	ts of supportive course work			
		otal credits of elective course worl	-			ts required for program			
		ogram name	x		Existing specialization				
		0			0 1				
		P Code			Other (expl	lain below)			
		tive date of change: 2020-2021							
	3. Prog	ram Degree Level: Associate □	Bache	elor's ⊠	Maste	er's $\Box$ Doctoral $\Box$			
	4. Cate	gory: Certificate 🗆 Specializat	ion $\Box$	Minor	□ Majo	r 🗵			
	5. If a n	ame change is proposed, the ch	ange wi	ill occur					
	$\Box$ On the effective date for all students								
	$\Box$ On the effective date for students new to the program (enrolled students will graduate from								
	existing program)								
	Proposed new name:								
		ary Aspects of the Modification	•						
	••••••	Existing Curriculum	• Proposed Curriculum (Highlight Change						
Pref	Num	Title	Cr Hrs	Pref	Num	Title	Cr Hrs		
System	General Red	quirements	32		General Rec	quirements	32		
ENGL	101	Composition I (SGR #1)	3	ENGL	101	Composition I (SGR #1)	3		
ENGL	201	Composition II (SGR #1)	3	ENGL	201	Composition II (SGR #1)	3		
SPCM	101	Fundamentals of Speech (SGR #2)	3	SPCM	101	Fundamentals of Speech (SGR #2)	3		
		Student Choice (SGR #3)	3			Student Choice (SGR #3)	3		
		Student Choice (SGR #3)	3			Student Choice (SGR #3)	3		
		Student Choice (SGR #4)	3			Student Choice (SGR #4)	3		
		Student Choice (SGR #4)	3			Student Choice (SGR #4)	3		
MATH	114	College Algebra (SGR #5)	3	MATH	114	College Algebra (SGR #5)	3		
BIOL	151-151L	General Biology I & Lab (SGR #6)	4	BIOL	151-151L	General Biology I & Lab (SGR #6)	4		

Existing Curriculum

Proposed Curriculum (Highlight Changes)

	1	Existing Curriculum	1			Curriculum <mark>(Highlight Changes</mark> )	_		
Pref	Num	Title	Cr Hrs	Pref	Num	Title	Cr Hrs		
PHYS	101-101L	Survey of Physics & Lab (4)	4	PHYS	101-101L	Survey of Physics & Lab (4)	4		
OR				OR					
PHYS	111-111L	Introduction to Physics & Lab (4)		PHYS		Introduction to Physics & Lab (4)	2		
College Requirements			2		College Requirements				
Students seeking the Bachelor of Science degree must					Students seeking the Bachelor of Science degree must				
	complete the System General Education Requirements. In				complete the System General Education Requirements. In				
		ent must select a "specialization."		some majors, the student must select a "specialization."					
		ts for both Bachelor of Science		Additional requirements for both Bachelor of Science					
degrees fo				degrees follow.					
		of one of the College's majors must be				of one of the College's majors must			
		irements are listed under each program				requirements are listed under each			
of stu				program of study.					
		s must be upper division (300 and				ts must be upper division (300 and			
		xception that MATH 125 and 225,				exception that MATH 125 and 225,			
		I, may be counted as five credits				I, may be counted as five credits			
	rd the total.				rd the total.				
		Agriculture, Food and				n Agriculture, Food and			
	nental Scien				nental Scien				
		te a minimum of 11 credits from the				te a minimum of 11 credits from the			
		1 courses in Agriculture, Food and				p 1 courses in Agriculture, Food and			
		e. Some departments require specific				the list, whereas others leave the			
		whereas others leave the selection				the list, whereas others leave the			
		and the advisor.				the student and the advisor.			
		atural Resource Statistics & Lab (3)			<ul> <li>NRM 282-282L Natural Resource Statistics &amp; Lab (3)</li> <li>(Maior Brancing and 1)</li> </ul>				
	or Requireme				(Major Requirements)				
		es of Ecology (3) (Major			<ul> <li>NRM 311 Principles of Ecology (3) (Major Paguiramenta)</li> </ul>				
	rements)				Requirements)				
		on to Wildlife and Management (3)				tion to Wildlife and Management (3)			
	or Requireme Requirement		64-73		or Requirem <mark>Requirement</mark>		<mark>67-73</mark>		
BIOL	153-153L	s General Biology II & Lab (4)	<b>04-73</b> 3-4				0/-/3		
	100-100L			RICH	153 153L	<u>General Riology II &amp; Lab (4)</u>	<mark>3</mark>		
LOR		General Biology II & Lab (4)	3-4	BIOL OP	<mark>153-153L</mark>	General Biology II & Lab (4)	<mark>3</mark>		
OR BOT	201-2011		5-4	<mark>OR</mark>			<mark>3</mark>		
BOT	201-201L	General Botany I & Lab (4)	5-4	<mark>OR</mark> BOT	153-153L 201-201L	General Biology II & Lab (4) General Botany I & Lab (3)	<mark>3</mark>		
BOT OR		General Botany I & Lab (3)	5-4	<mark>OR</mark> BOT <mark>OR</mark>	201-201L	General Botany I & Lab (3)	3		
BOT OR NRM	200-200L	General Botany I & Lab (3) Animal Diversity & Lab (3)		<mark>OR</mark> BOT <mark>OR</mark> NRM	201-201L <del>200-200L</del>	General Botany I & Lab (3) Animal Diversity & Lab (3)			
BOT OR NRM BIOL		General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology &	3-4	<del>OR</del> BOT <del>OR</del> NRM AS	201-201L	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics	3 3 3		
BOT OR NRM	200-200L	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4)		<mark>OR</mark> BOT <mark>OR</mark> NRM	201-201L <del>200-200L</del>	General Botany I & Lab (3) Animal Diversity & Lab (3)			
BOT OR NRM BIOL OR	200-200L 202-202L	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology &		OR BOT OR NRM AS OR	201-201L 200-200L 332	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics (3)			
BOT OR NRM BIOL OR	200-200L 202-202L	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4)		OR BOT OR AS OR BIOL	201-201L 200-200L 332	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics (3) <del>Genetics and Organismal Biology</del>			
BOT OR NRM BIOL OR	200-200L 202-202L	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4)		OR BOT OR NRM AS OR BIOL OR	201-201L 200-200L 332 202-202L	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics (3) <del>Genetics and Organismal Biology</del> <u>&amp; Lab (4)</u>			
BOT OR NRM BIOL OR BIOL	200-200L 202-202L 371	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4)	3-4	OR OR NRM AS OR BIOL OR BIOL	201-201L 200-200L 332 202-202L 371	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics (3) <del>Genetics and Organismal Biology</del> <u>&amp; Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4)	3		
BOT OR NRM BIOL OR BIOL CHEM	200-200L 202-202L 371	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3)	3-4	OR OR AS OR BIOL BIOL CHEM	201-201L 200-200L 332 202-202L 371	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics (3) <u>Genetics and Organismal Biology</u> <u>&amp; Lab (4)</u> Genetics (3)	3		
BOT OR NRM BIOL OR BIOL CHEM AND	200-200L 202-202L 371 106-106L	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5)	3-4	OR BOT OR NRM AS OR BIOL OR BIOL CHEM AND	201-201L 200-200L 332 202-202L 371 106-106L	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics (3) <del>Genetics and Organismal Biology</del> <u>&amp; Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5)	3		
BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM	200-200L 202-202L 371 106-106L	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4)	3-4	OR BOT OR NRM AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM	201-201L 200-200L 332 202-202L 371 106-106L	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics (3) <u>Genetics and Organismal Biology</u> <u>&amp; Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab	3		
BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM AND	200-200L 202-202L 371 106-106L 108-108L 112-112L	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4)	3-4	OR BOT OR NRM AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics (3) <del>Genetics and Organismal Biology</del> <u>&amp; Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4)	3		
BOT OR NRM BIOL OR BIOL CHEM AND CHEM AND CHEM	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4)	3-4	OR AS OR AS OR BIOL OR CHEM AND CHEM OR CHEM AND CHEM AND CHEM	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L	General Botany I & Lab (3) <u>Animal Diversity &amp; Lab (3)</u> Livestock Breeding and Genetics (3) <u>Genetics and Organismal Biology</u> <u>&amp; Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4)	<mark>3</mark> 8-9		
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BOT OR NRM BIOL OR BIOL CHEM OR CHEM AND CHEM CHEM CEE OR	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3)	3-4	OR AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM AND CHEM AND CHEM	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434	General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3)	<mark>3</mark> 8-9		
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BOT OR NRM BIOL OR BIOL CHEM OR CHEM OR CHEM CHEM CEE OR CHEM OR	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4)	3-4	OR AND AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM AND CHEM AND CHEM AND CHEM OR CHEM OR	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L	General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4)	<mark>3</mark> 8-9		
BOT OR NRM BIOL OR BIOL CHEM OR CHEM OR CHEM CHEM CEE OR CHEM OR CHEM OR PS	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3)	3-4	OR AND AS OR BIOL OR BIOL CHEM OR CHEM OR CHEM AND CHEM AND CHEM AND CHEM OR CHEM OR CHEM AND CHEM	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434	General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3)	<mark>3</mark> 8-9		
BOT OR NRM BIOL OR BIOL CHEM CHEM OR CHEM CHEM CEE OR CHEM OR CHEM OR PS OR	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3)	3-4	OR AS OR BIOL OR BIOL OR BIOL CHEM OR CHEM OR CHEM AND CHEM AND CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L	General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended	<mark>3</mark> 8-9		
BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM CHEM CEE OR CHEM OR PS OR PS	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) Principles of Geology (3)	3-4 8-9 3-4	OR BOT OR NRM AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR PS OR PS	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243	General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended Principles of Geology (3)	<mark>3</mark> 8-9 3-4		
BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM CHEM CEE OR CHEM OR PS OR	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3)	3-4	OR AS OR AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM CHEM CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM CHEM	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L	General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended	<mark>3</mark> 8-9		
BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM CHEM CEE OR CHEM OR PS OR PS	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) Principles of Geology (3)	3-4 8-9 3-4	OR AS OR AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM CHEM CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243 379	General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended Principles of Geology (3) Technical Communication	<mark>3</mark> 8-9 3-4		
BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM OR CHEM OR PS OR PS ENGL	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243 379	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) Principles of Geology (3) Technical Communication	3-4 8-9 3-4 3	OR AND AND OR BIOL OR BIOL OR CHEM AND CHEM OR CHEM CHEM CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM CHEM CHEM	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243 379 215	General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended Principles of Geology (3) Technical Communication Public Speaking	3 8-9 3-4 3		
BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM CHEM CEE OR CHEM OR PS OR PS	200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243	General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) Principles of Geology (3)	3-4 8-9 3-4	OR AS OR AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM CHEM CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM	201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243 379	General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended Principles of Geology (3) Technical Communication	<mark>3</mark> 8-9 3-4		

Existing Curriculum

*Proposed Curriculum* (*Highlight Changes*)

NRM         230         Natural Resource Management Techniques         3         NRM         230         Natural Resource Management         3           NRM         222-2821         Natural Resource Statistics & Lab         3         NRM         222-2821         Natural Resource Management         3           NRM         322-2821         Natural Resource Management         3         NRM         232-2821         Natural Resource Management         3           NRM         232-2821         Natural Resource Management         3         NRM         232-2821         Natural Resource Management         3           WL         1411         Principles of Fisheries Management         3         WL         411         Principles of Fisheries Management         3           Botany Requirement-Select oge of the following:         3         WL         411         Principles of Fisheries Management         3           Botany Requirement-Select oge of the following:         1-3         Botany Requirement-Select oge of the following:         8           BOT 405-4015. Crasses & Classike Plans & Lab (3)         BOT 415-4151. Fasheris Classes & Classike Plans & Lab (3)         BOT 415-4152. Aquatic Plants & Lab (3)<			Existing Curriculum		1		Curriculum <mark>(Highlight Changes</mark>	<u>/</u>		
Image: Control of the construction of the constrevation and the construction of the construction of the	Pref	Num	Title	Cr Hrs	Pref	Num	Title	Cr Hrs		
Image: Control of the construction of the c	NRM	230	Natural Resource Management	3	NRM	230	Natural Resource Management	3		
NRM         282-282L         Natural Resource Statistics & Lab         3         NRM         282-282L         Natural Resource Statistics & Lab         3           NRM/         311         Principles of Ecology         3         NRM         282-282L         Natural Resource Statistics & Lab         3           NRM         411         Principles of Fisheries         3         WL         411         Principles of Fisheries         3           WL         411         Principles of Fisheries         3         WL         412         Principles of Fisheries         3           BOT 301-301L Plant Systematics (3)         WL         412         Principles of Fisheries         3           BOT 405-405. Grasses & Grassike Plants & Lab (3)         BOT 301-501L Plant Systematics (3)         BOT 405-405. Grasses & Grassike Plants & Lab (3)         BOT 405-405. Grasses & Grassike Plants & Lab (3)           BOT 419-419. Plant Ecology & Lab (3)         RANG 400-104ging Teams S01 (1)         RANG 400-104ging Te			Techniques				Techniques			
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Existing Curriculum				Proposed Curriculum (Highlight Changes)				
Pref	Num	Title	Cr Hrs	Pref	Num	Title	Cr Hrs	
		Summary of Credits	for Wildlif	e and Fish	eries Science	es (B.S.)		
System C	eneral Rec	uirements	32	System General Requirements				
College Requirements			2	College Requirements				
Major Requirements			64-73	Major Requirements				
Electives			13-22	Electives				
	Total number of hours required for major			Total number of hours required for major				
Total number of hours required for degree				Total number of hours required for degree				

## 7. Explanation of the Change:

The requested changes include:

Students will be required to complete General Botany I and Lab BOT 201-201L) instead of general biology (BIOL 153-153L) or animal diversity (NRM 200-200L) which has not been taught in several years.

Students will also be required to complete either BIOL 371Genetics or AS 332 Livestock Breeding and Genetics instead of BIOL 202-202L.

Required physical science courses will focus on soils (PS 213-213 recommended) but will allow either organic chemistry (CHEM 328-328L) or geography (PS 243). Hydrology (CEE 434) will be deleted from the list of course possibility as few students take the course.

Forest ecology (BOT 303-303L) will be added as one of the botany electives. RANG 210 and RANG 400 will be removed because they do not meet certification requirements.

RANG 374 will increase from 3 to 4 credits.

NRM 276 Scientific Communications (1 cr.) was added to the major requirements. This course will emphasize best practices in communicating science in written reports and oral presentations to prepare students for upper level natural resource management courses.

In addition, a new course NRM 350 Conservation and Management of Endangered and Nongame Wildlife (3 cr.) was added as an elective.