



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

Substantive Program Modification Program

UNIVERSITY:	SDSU
CURRENT PROGRAM TITLE:	Human Biology (B.S.) [S.BS.HBI]
CIP CODE:	26.0101
UNIVERSITY DEPARTMENT:	Biology & Microbiology
UNIVERSITY DIVISION:	Natural 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 5/8/18
 Vice President of Academic Affairs or Date
 President of the University

1. This modification addresses a change in:

- | | |
|---|---|
| <input type="checkbox"/> Total credits required within the discipline | <input type="checkbox"/> Total credits of supportive course work |
| <input type="checkbox"/> Total credits of elective course work | <input type="checkbox"/> Total credits required for program |
| <input type="checkbox"/> Program name | <input type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input checked="" type="checkbox"/> Other: Restructure of College and Department Requirements |

2. Effective date of change: 2018-2019 Academic Year

3. Program Degree Level:

Associate Bachelor's Master's Doctoral

4. Category:

Certificate Specialization Minor Major

5. If a name change is proposed, the change will occur:

- On the effective date for all students
- On the effective date for students new to the program (enrolled students will graduate from existing program)

Proposed new name: _____

6. Primary Aspects of the Modification:

Existing Curriculum

Proposed Curriculum (**Highlight Changes**)

Pre	Num	Title	Cr Hrs	Pre	Num	Title	Cr Hrs		
System General Education Requirements				34	System General Education Requirements				34
SGR 1 Written Communication:				6	SGR 1 Written Communication:				6
ENGL 101 English Composition I (3)					ENGL 101 English Composition I (3)				
ENGL 201 English Composition II (3)					ENGL 201 English Composition II (3)				
SGR 2 Oral Communication:					SGR 2 Oral Communication:				
SPCM 101 Fundamentals of Speech				3	SPCM 101 Fundamentals of Speech				3
SGR 3 Social Sciences/Diversity				6	SGR 3 Social Sciences/Diversity				6
PYSC 101 General Psychology					PYSC 101 General Psychology				
SOC 100 Introduction to Sociology					SOC 100 Introduction to Sociology				
SGR 4 Arts and Humanities/Diversity				6	SGR 4 Arts and Humanities/Diversity				6
PHIL 220 Introduction to Ethics					PHIL 220 Introduction to Ethics				

Existing Curriculum

Proposed Curriculum (Highlight Changes)

SGR 5 Mathematics: or MATH 115 Precalculus (5) or MATH 121-121L Survey of Calculus & Lab (5)				5	SGR 5 Mathematics: or MATH 115 Precalculus (5) or MATH 121-121L Survey of Calculus & Lab (5)				5
SGR 6 Natural Sciences: BIOL 151-151L General Biology I & Lab (4) BIOL 153-153L General Biology II & Lab (4)				8	SGR 6 Natural Sciences: BIOL 151-151L General Biology I & Lab (4) BIOL 153-153L General Biology II & Lab (4)				8
ABS College Requirements – BS in Biological Sciences				--	Department Requirements				--
<ul style="list-style-type: none"> – 25 semester credits must be upper division (300 and above), with the exception that MATH 125 and 225, Calculus II and III, may be counted as five credits toward the total. – Students who wish to complete a Bachelor of Science in Biological Sciences must complete a minimum of 33 credits from the natural sciences. Refer to departments offering the degree for specific course listings. 					<ul style="list-style-type: none"> – 25 semester credits must be upper division (300 and above), with the exception that MATH 125 and 225, Calculus II and III, may be counted as five credits toward the total. – Students must complete a minimum of 33 credits from the natural sciences. Refer to departments offering the degree for specific course listings. 				
Major Requirements				44-48	Major Requirements				44-48
BIOL	119	First Year Seminar	2	BIOL	119	First Year Seminar	2		
BIOL	202-202L	Genetics and Organismal Biology & Lab	4	BIOL	202-202L	Genetics and Organismal Biology & Lab	4		
BIOL	204-204L	Genetics and Cellular Biology & Lab	4	BIOL	204-204L	Genetics and Cellular Biology & Lab	4		
BIOL	221-221L	Human Anatomy & Lab	4	BIOL	221-221L	Human Anatomy & Lab	4		
BIOL	290	Seminar	1	BIOL	290	Seminar	1		
BIOL	325-325L	Physiology & Lab	4	BIOL	325-325L	Physiology & Lab	4		
BIOL	383	Bioethics	4	BIOL	383	Bioethics	4		
BIOL	490	Seminar	2	BIOL	490	Seminar	2		
MICR	233-233L	Introductory Microbiology & Lab	4	MICR	233-233L	Introductory Microbiology & Lab	4		
MICR	439	Medical and Veterinary Immunology	3	MICR	439	Medical and Veterinary Immunology	3		
Select at least <u>four</u> courses from the list: BIOL 494 Internship (3) BIOL 498 Undergraduate Research/Scholarship (3) CHEM 464 Biochemistry I (3) MICR 424 Medical & Veterinary Virology (3) MICR 433 Medical Microbiology (3) BIOL 448 Molecular and Microbial Genetics (4) MICR 440L Infectious Disease Lab (3) PE 454-454L Biomechanics & Lab (3) BIOL 476 Advanced Mammalian Physiology (4) BIOL 467-467L Parasitology & Lab (3) BIOL 483-483L Developmental Biology & Lab (4) BIOL 470 Cancer Biology & Lab (4)				12-16	Select at least <u>four</u> courses from the list: BIOL 494 Internship (3) BIOL 498 Undergraduate Research/Scholarship (3) CHEM 464 Biochemistry I (3) MICR 424 Medical & Veterinary Virology (3) MICR 433 Medical Microbiology (3) BIOL 448 Molecular and Microbial Genetics (4) MICR 440L Infectious Disease Lab (3) PE 454-454L Biomechanics & Lab (3) BIOL 476 Advanced Mammalian Physiology (4) BIOL 467-467L Parasitology & Lab (3) BIOL 483-483L Developmental Biology & Lab (4) BIOL 470 Cancer Biology (4)				12-16
Supporting Coursework				30-31	Supporting Coursework				30-31
CHEM	112 -112L	General Chemistry I & Lab	4	CHEM	112 -112L	General Chemistry I & Lab	4		
CHEM	114 -142L	General Chemistry II & Lab	4	CHEM	114 -142L	General Chemistry II & Lab	4		
CHEM	326 -326L	Organic Chemistry I & Lab	4	CHEM	326 -326L	Organic Chemistry I & Lab	4		
CHEM	328 -328L	Organic Chemistry II & Lab	4	CHEM	328 -328L	Organic Chemistry II & Lab	4		
ENGL	379	Technical Communication (Section: Biology & Microbiology)	3	ENGL	379	Technical Communication (Section: Biology & Microbiology)	3		
PHYS 111-111L Introduction to Physics I & Lab (4) and PHYS 113-113L Introduction to Physics II & Lab (4)				8	PHYS 111-111L Introduction to Physics I & Lab (4) and PHYS 113-113L Introduction to Physics II & Lab (4)				8
MATH 125 Calculus II (4) or STAT 281 Introduction to Statistics (3)				3-4	MATH 125 Calculus II (4) or STAT 281 Introduction to Statistics (3)				3-4
Electives				8-12	Electives				8-12

Existing Curriculum

Proposed Curriculum (**Highlight Changes**)

Summary of Credits Human Biology (B.S.)			
System General Education Requirements	34	System General Education Requirements	34
ABS College Requirements – BS in Biological Sciences	--	Department Requirements	--
Major Requirements	44-48	Major Requirements	44-48
Supporting Coursework	30-31	Supporting Coursework	30-31
Electives	8-12	Electives	8-12
Total number of hours required for major	74-78	Total number of hours required for major	74-78
Total number of hours required for degree	120	Total number of hours required for degree	120

7. Explanation of the Change:

The Department of Biology & Microbiology will move from the College of Agriculture & Biological Sciences to the College of Natural Sciences effective July 1, 2018. The College of Agriculture & Biological Sciences – Bachelor of Science in Biological Science requirements have been realigned as department requirements within the program.