



SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS
Substantive Program Modification Form

UNIVERSITY:	USD
CURRENT PROGRAM TITLE:	Bachelor of Science in Health Sciences, Paramedic Specialization [UBS.HSC-PMR]
CIP CODE:	51.0000
UNIVERSITY DEPARTMENT:	Health Sciences Major
UNIVERSITY DIVISION:	School of Health 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.

Elizabeth M. Freeburg
2/3/2020
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 checked="" type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input type="checkbox"/> Other (explain below) |

2. Effective date of change: 2020-2021 catalog

***This might change to 2021/2022 catalog as discussions with Sanford regarding the timeframe are happening at this time.*

3. Program Degree Level:

- Associate Bachelor's Master's Ed. Specialist 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: _____

Reminder: Name changes may require updating related articulation agreements, site approvals, etc.

6. Primary Aspects of the Modification (add lines or adjust cell size as needed):

Existing Curriculum

Proposed Curriculum (highlight changes)

Pref.	Num	Title	Cr. Hrs	Pref.	Num.	Title	Cr. Hrs
Health Sciences, B.S.-No Specialization				Health Sciences, B.S.-No Specialization			
HSC	110	The Interprofessional Team	3*	HSC	110	The Interprofessional Team	3*
*Health Career Advancement Studies Students will select one HSC 3 credit hour elective in place of HSC 110				*Health Career Advancement Studies Students will select one HSC 3 credit hour elective in place of HSC 110			
HSC	305	Professional Communication and Relationship-Centered Care	3	HSC	305	Professional Communication and Relationship-Centered Care	3
HSC	310	Health Care Delivery	3	HSC	310	Health Care Delivery	3
HSC	315	Introduction to Public Health	3	HSC	315	Introduction to Public Health	3
HSC	350	Principles of Health Care	3	HSC	350	Principles of Health Care	3
HSC	360	Technology in Care Delivery	3	HSC	360	Technology in Care Delivery	3
HSC	380	Health Literacy and Culture Care	3	HSC	380	Health Literacy and Culture Care	3
HSC	450	Patient Safety-Quality Improvement	3	HSC	450	Patient Safety-Quality Improvement	3
HSC	460	Leading Change	3	HSC	460	Leading Change	3
Departmental Requirements			27	Departmental Requirements			27
Select one of the following science sequences (8 cr.)				Select one of the following science sequences (8 cr.)			
PHGY	220/220L	Human Physiology and Integrated Anatomy I	8	PHGY	220/220L	Human Physiology and Integrated Anatomy I	8
PHGY	230/230L	Human Physiology and Integrated Anatomy II		PHGY	230/230L	Human Physiology and Integrated Anatomy II	
or				or			
HSC	280/280L	Essentials of Human Anatomy and Physiology		HSC	280/280L	Essentials of Human Anatomy and Physiology	
HSC	281	Human Disease		HSC	281	Human Disease	
Select three of the following courses (9 credit hours total) or select a major track with a Health Sciences Specialization				Select three of the following courses (9 credit hours total) or select a major track with a Health Sciences Specialization.			
HSC	111	Introduction to Research	3	HSC	111	Introduction to Research	3
SPAN	120	Medical Spanish I	3	SPAN	120	Medical Spanish I	3
SPAN	121	Medical Spanish II	3	SPAN	121	Medical Spanish II	3
HSC	222	Undergraduate Research I	3	HSC	222	Undergraduate Research I	3
HSC	250	Healthcare Terms in the Clinical Setting	3	HSC	250	Healthcare Terms in the Clinical Setting	3
HSC	262	Health Careers Exploration	3	HSC	262	Health Careers Exploration	3
HSC	275	Comparative Cultures, Theory, and Leadership (Travel)	3	HSC	275	Comparative Cultures, Theory, and Leadership (Travel)	3
HSC	306	Spanish for Healthcare Workers	3	HSC	306	Spanish for Healthcare Workers	3
HSC	312	Undergraduate Research II	3	HSC	312	Undergraduate Research II	3
HSC	320	Introduction to Epidemiology	3	HSC	320	Introduction to Epidemiology	3
HSC	325	Global Health	3	HSC	325	Global Health	3
HSC	330	Native People's Health Care, Promotion, and Policy	3	HSC	330	Native People's Health Care, Promotion, and Policy	3
NATV	330	Native People's Health Care, Promotion, and Policy	3	NATV	330	Native People's Health Care, Promotion, and Policy	3
HSC	340	Interprofessional Approach to Person-Centered Care	3	HSC	340	Interprofessional Approach to Person-Centered Care	3
HSC	365	Universal Supports in Disability Services	3	HSC	365	Universal Supports in Disability Services	3
HSC	370	Computerized Medical Record & Regulatory Compliance	3	HSC	370	Computerized Medical Record & Regulatory Compliance	3
				HSC	375	The United States and Global Healthcare Systems	3
HSC	385	History and Intro. to Disability	3	HSC	385	History and Intro. to Disability	3
HSC	400/500	Clinical Analytics	3	HSC	400/500	Clinical Analytics	3
PHIL	430/530	Public Health Ethics and Policy	3	PHIL	430/530	Public Health Ethics and Policy	3
PUBH	430/530	Public Health Ethics and Policy	3	PUBH	430/530	Public Health Ethics and Policy	3
HSC	440/540	Evidence-based Decision Making	3	HSC	440/540	Evidence-based Decision Making	3
HSC	475	Process and Outcome Evaluation	3	HSC	475	Process and Outcome Evaluation	3

HSC	494	Internship	1-12	HSC	494	Internship	1-12
HSC	498	Undergraduate Research/Scholarship (C)	1-6	HSC	498	Undergraduate Research/Scholarship (C)	1-6
Subtotal Electives:			9	Subtotal Electives:			9
Additional Major Requirements (17 hours)			17	Additional Major Requirements (17 hours)			17
Total number of hours required for major with No specialization :			44	Total number of hours required for major with No specialization			44

Bachelor of Science in Health Sciences with Paramedic Specialization	REMOVE SPECIALIZATION
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Existing Curriculum

Prof.	Num	Title	Cr. Hrs				
Health Sciences, B.S.-Core							
HSC	110	The Interprofessional Team	3*				
*Health Career Advancement Studies Students will select one HSC 3 credit hour elective in place of HSC 110							
HSC	305	Professional Communication and Relationship-Centered Care	3				
HSC	310	Health Care Delivery	3				
HSC	315	Introduction to Public Health	3				
HSC	350	Principles of Health Care	3				
HSC	360	Technology in Care Delivery	3				
HSC	380	Health Literacy and Culture Care	3				
HSC	450	Patient Safety-Quality Improvement	3				
HSC	460	Leading Change	3				
Departmental Requirements			27				
Select one of the following science sequences (8 cr.)							
PHGY	220/ 220L	Human Physiology and Integrated Anatomy I	8				
PHGY	230/ 230L	Human Physiology and Integrated Anatomy II					
or							
HSC	280/ 280L	Essentials of Human Anatomy and Physiology					
HSC	281	Human Disease					
Subtotal Science sequence:			8				
Subtotal Core courses:			35				
Select three of the following courses (9 credit hours total) or select a major track with a Health Sciences Specialization							
HSC	111	Introduction to Research	3				
SPAN	120	Medical Spanish I	3				
SPAN	121	Medical Spanish II	3				
HSC	222	Undergraduate Research I	3				
HSC	250	Healthcare Terms in the Clinical Setting	3				
HSC	262	Health Careers Exploration	3				
HSC	275	Comparative Cultures, Theory, and Leadership (Travel)	3				
HSC	306	Spanish for Healthcare Workers	3				
HSC	312	Undergraduate Research II	3				
HSC	320	Introduction to Epidemiology	3				
HSC	325	Global Health	3				
HSC	330	Native People's Health Care, Promotion, and Policy	3				
NATV	330	Native People's Health Care, Promotion, and Policy	3				
HSC	340	Interprofessional Approach to Person-Centered Care	3				
HSC	365	Universal Supports in Disability Services	3				
HSC	370	Computerized Medical Record & Regulatory Compliance	3				
HSC	385	History and Intro. to Disability	3				

HSC	400/500	Clinical Analytics	3				
PHIL	430/530	Public Health Ethics and Policy	3				
PUBH	430/530	Public Health Ethics and Policy	3				
HSC	440/540	Evidence-based Decision Making	3				
HSC	475	Process and Outcome Evaluation	3				
HSC	494	Internship	1-12				
HSC	498	Undergraduate Research/Scholarship (C)	1-6				
Subtotal Electives:			9				
Additional Major Requirements (17 hours)			17				
Total number of hours required for major with No specialization :			44				
Paramedic Specialization (Optional)							
The Paramedic Specialization is optional, however, students wishing to add the specialization must:							
1. have instructor/Health Sciences permission due to need for certification requirements (BLS for healthcare provider and EMT-B certification)							
2. be admitted to the Sanford Paramedics Program							
3. meet the degree requirement of completing a minimum of 30 cr. hrs. at the 300 and 400 level.							
HSC	100	Intro to Advanced Life Support	1				
HSC	101	Emergency Medical Services Anatomy & Physiology	2				
HSC	102	Emergency Medical Services Clinical I	2				
HSC	201	Advanced Airway Management	2				
HSC	205	Patient Assessment	3				
HSC	210	Emergency Med. Services Pharmacology	2				
HSC	210L	Emergency Med. Services Pharmacology Lab	2				
HSC	211	Emergency Medical Services Clinical II	3				
HSC	240	Medical Emergencies I	2				
HSC	240L	Medical Emergencies I Lab	1				
HSC	241	Medical Emergencies II	2				
HSC	241L	Medical Emergencies II Lab	1				
HSC	300	Cardiac Emergencies	3				
HSC	246	Emergency Med. Services Clinical III	2				
HSC	254	Trauma Emergencies	3				
HSC	254L	Trauma Emergencies Laboratory	1				
HSC	264	Emergency Medical Services Clinical IV	2				
HSC	304	Emergency Medical Services Operations	3				
HSC	308	Paramedic Professional Development	1				
HSC	308L	Paramedic Profess. Development Lab	2				
HSC	296	Paramedic Field Experience	3				
Paramedic Specialization			43				
Free Electives in order for this specialization to not exceed 120 hours one optional course must be selected for 3 credit hours that counts twice for gen eds.							
*Minimum of 30 credit hours must be taken from USD.							
* Maximum of 90 transfer credit hours may be applied to the degree.							
Total number of hours required for major with Paramedic specialization			35 + 43				
Total number of hours required for degree			120				

Bachelor of Science in Health Sciences with Clinical Studies Specialization				Bachelor of Science in Health Sciences with Clinical Studies Specialization			
Prof.	Num	Title	Cr. Hrs	Prof.	Num.	Title	Cr. Hrs
Health Sciences, B.S.-Core				Health Sciences, B.S.-Core			
HSC	110	The Interprofessional Team	3*	HSC	110	The Interprofessional Team	3*
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HSC	305	Professional Communication and Relationship-Centered Care	3	HSC	305	Professional Communication and Relationship-Centered Care	3
HSC	310	Health Care Delivery	3	HSC	310	Health Care Delivery	3
HSC	315	Introduction to Public Health	3	HSC	315	Introduction to Public Health	3
HSC	350	Principles of Health Care	3	HSC	350	Principles of Health Care	3
HSC	360	Technology in Care Delivery	3	HSC	360	Technology in Care Delivery	3
HSC	380	Health Literacy and Culture Care	3	HSC	380	Health Literacy and Culture Care	3
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HSC	460	Leading Change	3	HSC	460	Leading Change	3
Departmental Requirements			27	Departmental Requirements			27
Select one of the following science sequences (8 cr.)				Select one of the following science sequences (8 cr.)			
PHGY	220/ 220L	Human Physiology and Integrated Anatomy I	8	PHGY	220/ 220L	Human Physiology and Integrated Anatomy I	8
PHGY	230/ 230L	Human Physiology and Integrated Anatomy II		PHGY	230/ 230L	Human Physiology and Integrated Anatomy II	
or				or			
HSC	280/ 280L	Essentials of Human Anatomy and Physiology		HSC	280/ 280L	Essentials of Human Anatomy and Physiology	
HSC	281	Human Disease		HSC	281	Human Disease	
Subtotal Science sequence:			8	Subtotal Science sequence:			8
Subtotal Core courses:			35	Subtotal Core courses:			35
Bachelor of Sciences in Health Sciences, Clinical Studies Specialization				Bachelor of Sciences in Health Sciences, Clinical Studies Specialization			
ANAT	411	Human Gross Anatomy	4	ANAT	411	Human Gross Anatomy	4
HSC	440/ 540	Evidence-based Decision Making	3	HSC	440/ 540	Evidence-based Decision Making	3
Choose one of three statistics courses below for a total of 3 or 4 credits:				Choose one of three statistics courses below for a total of 3 or 4 credits:			
STAT	281	Introduction to Statistics	3	STAT	281	Introduction to Statistics	3
OR				OR			
PSYC	371	Statistics in Psychological Research	3	PSYC	371	Statistics in Psychological Research	3
OR				OR			
BIOL	420/4 20L	Introduction to Biostatistics & Computational Biology with Lab	4	BIOL	420/42 0L	Introduction to Biostatistics & Computational Biology with Lab	4
Clinical Studies Specialization Subtotal			10-11	Clinical Studies Specialization Subtotal			10-11
Total Number of Hours Required for Major with Clinical Studies Specialization (35 + 10/11)			45-46	Total Number of Hours Required for Major with Clinical Studies Specialization (35 + 10/11)			45-46
General Education Requirements			24	General Education Requirements			24
Electives (Choose Prerequisites for Clinical Program)			50-51	Electives (Choose Prerequisites for Clinical Program)			50-51
Total Requirements Including General Education Requirements (35 + 10-11 + 24 + 50=51)			120	Total Requirements Including General Education Requirements (35 + 10-11 + 24 + 50=51)			120

7. Explanation of the Change:

The paramedic specialization, which was fully accredited in spring of 2019, is a partnership with Sanford and is based on a cohort model with 2 years to complete the specialization curriculum. The specialization has had lower-than-expected enrollment since inception in 2015. Enrollments were at approximately 5 or fewer students per cohort since 2015. Only 12 students total out of the 2015, 2016, and 2017 cohorts completed the specialization, with only 1 student taking any USD coursework outside of the courses for the specialization. Since inception in 2015, only 1 student has completed the B.S. in Health Sciences.

The low enrollment situation has placed a significant strain on Sanford resources, as the instructors for this program are Sanford employees. In addition, the specialization is problematic for USD in that students have are receiving financial aid for this specialization, but are not degree-seeking students. The accrediting agency highly recommends the program move to an associate's degree model to increase enrollment for sustainability, and this is documented in the accreditor's review.

The students in the current cohort will continue in the curriculum to obtain the specialization and have the option to obtain the B.S. in Health Sciences. Upon deletion of the specialization, no new students will be admitted.

HSC 375 was accidentally omitted on a previous program modification request (typographical omission). This is a travel abroad course offered every other year—request to approve adding course back in as an elective option.