



Beth-El College of Nursing and Health Sciences

UNIVERSITY OF COLORADO **COLORADO SPRINGS**

2013-2014 Program Requirements – Bachelor of Science in Health Care Science *Medical Laboratory Science/Med Tech Option*

General Education Course Requirements Credits

ENGL 1310 & ENGL 2090 Rhetoric & Writing I & Tech Writing	6
HSCI 2060 Health Science Statistics (<i>can sub w/BIOL 3000</i>)	3
MATH 1040 College Algebra (<i>can sub with MA 1350</i>)	3
PSY 1000 General Psychology	<u>3</u>
	15

Program Core Science Requirements

BIOL 1200 General Biology I & Lab	4
BIOL 1210 General Biology II & Lab	4
**BIOL 2010 & BIOL 2020 Human Anatomy & Physiology I & II	8
BIOL 2030 & 2130 (lab) or BIOL 3100 & 3110 (lab) Microbiology or Bacteriology	4
**BIOL 3020 Cell Biology (<i>Pre-req. BIOL 1200, 1210 & CHEM 1030 & 1060</i>)	3
BIOL 3830 Genetics (<i>Pre-req. BIOL 3020</i>)	3
BIOL 3910 Immunology (<i>Pre-req. BIOL 3020</i>)	3
CHEM 1030 & CHEM 1060 General Chemistry I & II, plus labs	10
CHEM 3300 & CHEM 3400 Organic Chemistry & Lab (<i>Pre-req CHEM 1060 w/C or better</i>)(<i>can sub with CHEM 3310 & CHEM 3330</i>)	5
CHEM 4830 Biochemistry Principles (<i>Pre-req. BIOL 1210 & CHEM 3300/3400</i>)	3
HSCI 4080 Pathophysiology (<i>Pre-req. BIOL 2010 & 202 & CHEM 1030,1060</i>)) (<i>fall only</i>)	<u>3</u>
	50

***courses are prerequisites for other UCCS courses; recommended but not required by UNMC)*

Health Science Core Requirements

HSCI 3201 Health Behavior (<i>pre-req Soph level</i>)	3
HSCI 3520 Health Communication (<i>pre-req HSCI 3201</i>)	3
HSCI 3630 Culture & Health (<i>pre-req HSCI 3201, pre or co-req HSCI 3520 or instructor consent</i>)	3
HSCI 4010 Health Science Research (<i>Pre-req HSCI 2060, HSCI 3630</i>)	<u>3</u>
	12

MLS Professional Requirements*

SUMMER	Student lab in Omaha, Nebraska	6
FALL	Clinical Rotations	18
SPRING	Clinical Rotations	<u>19</u>
		43

** UCCS 3+1 students must go through the application process for clinical placement. UCCS 3+1 students are not guaranteed admission to clinicals. Deadline for the application process for the clinical year is November 30 of the third year.*

TOTAL PROGRAM CREDITS = 120

MODEL DEGREE PLAN – BACHELOR OF SCIENCE IN HEALTH CARE SCIENCE
Medical Laboratory Science/Med Tech Option

<u>First Year</u>	<u>Credits</u>
BIOL 1200 General Biology I with Lab	4
CHEM 1030 General Chemistry I with lab	5
ENGL 1310 Rhetoric & Writing I	<u>3</u>
	12
BIOL 1210 General Biology II with lab (<i>Pre-req Chem 1030</i>)	4
CHEM 1060 General Chemistry II with lab	5
MATH 1040 College Algebra (<i>can sub with MA 1350</i>)	3
PSY 1000 General Psychology	<u>3</u>
	15
<u>Second Year</u>	
BIOL 2010 Anatomy & Physiology I and Lab (<i>fall only</i>)	4
CHEM 3300 & CHEM 3400 Organic Chemistry and Lab (<i>Pre-req CHEM 1060 w/ C or better</i>) (<i>can sub with CHEM 3310 & CHEM 3330</i>)	5
HSCI 2060 Health Science Statistics (<i>can sub w/BIOL 3000</i>)	<u>3</u>
	12
BIOL 2020 Anatomy & Physiology II and Lab (<i>spring only</i>)	4
BIOL 2030 & 2130 Microbiology & Lab or BIOL 3100 & 3110 Bacteriology & Lab	4
HSCI 3201 Health Behavior (<i>pre-req Soph level</i>)	3
ENGL 2090 Technical Writing and Presentation (<i>pre-req ENGL 1310</i>)	<u>3</u>
	14
<u>Third Year</u>	
BIOL 3020 Cell Biology (<i>pre-req BIOL 1200, 1210 & CHEM 1030 & 1060</i>)	3
HSCI 3520 Health Communication (<i>pre-req HSCI 3201</i>)	3
HSCI 3630 Culture & Health (<i>pre-req HSCI 3201, pre or co-req HSCI 3520 or instructor consent</i>)	3
HSCI 4080 Pathophysiology (<i>fall only</i>) (<i>Pre-req. BIOL 2010 & 2020</i>)	<u>3</u>
	12
BIOL 3830 Genetics (<i>pre-req BIOL 3020</i>)	3
HSCI 4010 Health Science Research (<i>pre-req HSCI 2060, HSCI 3630</i>)	3
BIOL 3910 Immunology (<i>pre-req BIOL 3020</i>)	3
CHEM 4830 Biochemistry Principles (<i>pre-req CHEM 3300, 3400</i>)	<u>3</u>
	12
<u>Fourth Year*</u>	
SUMMER Student Lab –University of Nebraska Omaha	6
FALL Clinical Rotations- Colorado Springs	18
SPRING Clinical Rotations- Colorado Springs	<u>19</u>
	43

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TOTAL PROGRAM CREDITS = 120