

Beth-El College of Nursing and Health Care Science

MODEL DEGREE PLAN – BACHELOR OF SCIENCE IN HEALTH CARE SCIENCE PROGRAM REQUIREMENTS - MED TECH OPTION

<u><i>First Year</i></u>	<u><i>Credits</i></u>
BIOL 110 General Biology I /Intro to Cell Biology	3
BIOL 111 General Biology I Lab / Intro to Cell Biology	1
CHEM 103 General Chemistry I	5
MATH 104 College Algebra	3
General Elective	3-4
BIOL 115 General Biology II: Organismic Biology	3
BIOL 116 General Biology II: Organismic Biology Lab	1
CHEM 106 General Chemistry II	5
ENGL 131 Rhetoric & Writing I	<u>3</u>
	27-28
<u><i>Second Year</i></u>	
CHEM 330 Organic Chemistry II	3
CHEM 340 Organic Chemistry Lab	2
ENGL 309 Technical Writing and Presentation	3
HSCI 206 Health Science Statistics	3
BIOL 203 Microbiology & Lab OR	3
BIOL 310 Microbiology: Bacteriology & BIOL 311 Lab	4
BIOL 302 Cell Biology	3
COMM 210 Public Speaking	3
CHEM 483 Biochemistry Principles	3
Humanities Elective	<u>3</u>
	26-27
<u><i>Third Year</i></u>	
HSCI 329 Principles of Management & Finance	3
BIOL 391 Immunology	3
BIOL 383 Genetics	3
HSCI 401 Health Science Research	3
PSY 100 or SOC 111 General Psychology or Intro to Sociology	4
BIOL 484/485 Molecular Biology & Lab	6
HSCI 301 Pathophysiology	3
HSCI 330 Professionalism & Ethics	3
Humanities or Social Science Elective	<u>3</u>
	31
<u><i>Fourth Year</i></u>	
SUMMER Student Lab – completed at the University of Nebraska Omaha	6
FALL Clinical Rotations- completed at UCCS	14
SPRING Clinical Rotations- completed at UCCS	<u>15</u>
	35

TOTAL PROGRAM CREDITS = 120



Program Requirements – Bachelor of Science in Health Care Science *Med Tech Option*

<u>General Education Course Requirements</u>	<u>Credits</u>
ENGL 131 & ENGL 309 Rhetoric & Writing I & Tech Writing	6
HSCI 206 Health Science Statistics (<i>can sub w/PSY 210</i>)	3
Humanities Electives (<i>two – see LAS list</i>)	6
General Electives	3-4
PSY 100 or SOC 111 General Psychology or Intro to Sociology	4
COMM 210 Public Speaking	<u>3</u>
	25-26
<u>Health Science Prerequisites</u>	
Biol 110 & Biol 111 General Biology I & Lab	4
Biol 115 & Biol 116 General Biology II & Lab	4
Chem 103 & Chem 106 General Chemistry I & II	10
Math 104 College Algebra	<u>3</u>
	21
<u>Health Science Core Requirements</u>	
HSCI 301 Pathophysiology (<i>Prer. Biol 201 & 202</i>)	3
HSCI 329 Principles of Management & Finance	3
HSCI 330 Professionalism & Ethics	3
HSCI 401 Health Science Research (<i>Prer/Co-req HSCI 206, Jr/Sr level, fall only</i>)	<u>3</u>
	12
<u>Med Tech Option Requirements</u>	
Biol 203 or Biol 310 & Biol 311 Microbiology & Lab or Bacteriology & Lab (<i>Biol 203, fall only</i>)	3-4
Biol 302 Cell Biology (<i>Prer. Biol 110, 111, 115, 116 & Chem 103 & 106</i>)	3
Biol 391 Immunology (<i>Prer. Biol 302</i>)	3
Biol 383 Genetics (<i>Prer. Biol 302, spring only</i>)	3
Biol 484 & Biol 485 Molecular Biology & Lab (<i>Prer. Biol 383</i>)	6
Chem 330 & Chem 340 Organic Chemistry & Lab (<i>Prer. Chem 106, fall only</i>)	5
Chem 483 Biochemistry Principles (<i>Prer. Biol 110/111 & Chem 330/340</i>)	3
Student Lab – completed at the University of Nebraska	6
Clinical Rotations	<u>29</u>
	61-62

TOTAL PROGRAM CREDITS = 120