



PROGRAM REQUIREMENTS - BACHELOR OF SCIENCE IN HEALTH CARE SCIENCE

Forensic Science

<u>General Education Course Requirements</u>	<u>Credits</u>
ENGL 131 & 309 Rhetoric & Writing I & Tech Writing (<i>Complete Competency Exam after ENGL 309</i>)	6
Humanities Electives & Social Science Elective (<i>see LAS list</i>)	6
PSY 100 General Psychology	4
SOC 111 Introduction to Sociology	4
COMM 210 Public Speaking	3
General Education Electives	<u>2</u>
	25
 <u>Core Science Prerequisites</u>	
BIOL 120 & 121 General Biology I & II (<i>Pre-req, Co-req Chemistry</i>)	8
BIOL 201 & 202 Human Anatomy and Physiology I & II	8
CHEM 103 & 106 General Chemistry I & II (<i>Pre-req High School Algebra</i>)	10
CHEM 331/333 & 332/334 Organic Chemistry I & II w/ labs (<i>Pre-req Chem 106</i>)	10
CHEM 483 Biochemistry Principles (<i>Pre-req Chem 332/334</i>)	3
MATH 135 Calculus (<i>Pre-req. Math 105</i>)	4
PES 111/116 & 112/216 General Physics I & II w/ labs (<i>Pre-req, Co-req Math 135 & 136</i>)	10
HSCI 206 Health Science Statistics (<i>interim course</i>)	<u>3</u>
	56
 <u>Health Science Core Requirements</u>	
HSCI 330 Professionalism and Ethics (<i>fall & summer only</i>)	3
HSCI 401 Health Science Research (<i>Pre-req/Co-req HSCI 206, Jr/Sr level, fall & summer only</i>)	3
HSCI 408 Pathophysiology for Health Sciences (<i>Pre-req Biol 201, 202, 203, CHEM 103, 106</i>)	<u>3</u>
	9
 <u>Advanced Science Electives (Need 15 credit hours)</u>	
CHEM 417 & 418 Analytical Chemistry I & II (<i>Pre-req Chem 332/334, PES 112</i>)	7
CHEM 420 Practical Instrumental Analysis (<i>Co-req Chem 418</i>)	2
*CHEM 483 Biochemistry Principles (<i>Pre-req Biol 121, Chem 330/340</i>)	3
CHEM 451 Physical Chemistry (<i>Pre-req PES 112, MATH 136, CHEM 332</i>)	3
MATH 136 Calculus II (<i>Pre-req MATH 135</i>)	4
*BIOL 484 Molecular Biology (<i>Pre-req BIOL 383</i>)	3
*BIOL 302 Cell Biology (<i>Pre-req BIOL 121 & CHEM 106</i>)	3
*BIOL 383 Genetics (<i>Pre-req BIOL 302</i>)	3
HSCI 507 Pathophysiology Lab	<u>1</u>
<i>*courses are required to work in Forensic DNA laboratories</i>	15
 <u>Forensic Science Requirements</u>	
HSCI 203 Introduction to Forensic Science	3
HSCI 396 Basic Laboratory Skills for Forensic Investigation	3
HSCI 433 Crime Scene and Crime Lab (<i>fall/summer only</i>)	3
HSCI 432 Investigation of Injury and Death (<i>interim course</i>)	<u>3</u>
	12
 <u>Forensic Science Electives: 6 hours required</u>	
HSCI 107 CSI: Fact or Fantasy?	3
HSCI 305 Interview and Interrogation	3
HSCI 434 Psychosocial and Legal Aspects of Forensic Science (<i>spring/summer only</i>)	<u>3</u>
	6

TOTAL PROGRAM CREDITS = 120

**UNIVERSITY OF COLORADO AT COLORADO SPRINGS
PROGRAM REQUIREMENTS FOR
BETH-EL COLLEGE OF NURSING & HEALTH SCIENCES**

**MODEL DEGREE PLAN - BACHELOR OF SCIENCE IN HEALTH CARE SCIENCE
*Forensic Science***

<u>First Year</u>	<u>Credits</u>
BIOL 120 General Biology I & Lab (<i>Pre-req/Co-req CHEM 103, fall only</i>)	4
CHEM 103 General Chemistry I (<i>Pre-req 1 yr HS CHEM & 2 yrs HS MATH</i>)	5
ENGL 131 Rhetoric and Writing I (<i>Pre-req of ACT English score 19 or SAT Verbal 450</i>)	3
General Elective (<i>any course, any department</i>)	2
BIOL 121 General Biology II & Lab (<i>Pre-req BIOL 120 and CHEM 103, spring only</i>)	4
CHEM 106 General Chemistry II (<i>Pre-req CHEM 103 w/grade of C or better</i>)	5
COMM 210 Public Speaking	3
MATH 135 Calculus (<i>Pre-req Math 105 or Calc Readiness Exam</i>)	4
	30
<u>Second Year</u>	
BIOL 201 Human Anatomy and Physiology I (<i>fall only</i>)	4
CHEM 331 & 333 Organic Chemistry w/ lab (<i>Pre-req CHEM 106 w/grade of C or better</i>)	5
HSCI 206 Health Science Statistics (<i>Can be taken during Interim</i>)	3
PSY 100 General Psychology	4
BIOL 202 Human Anatomy and Physiology II (<i>Pre-req BIOL 201, spring only</i>)	4
Humanities or Social Science Elective	3
CHEM 332 & 334 Organic Chemistry II w/ lab (<i>Pre-req CHEM 331</i>)	5
SOC 111 Introduction to Sociology	4
	32
<u>Third Year</u>	
HSCI 203 Introduction to Forensic Science	3
ENGL 309 Tech Writing & Presentation (<i>Pre-req ENGL 131</i>)	3
PES 111 & 116 General Physics I & Lab (<i>Pre-req/Co-req MATH 135</i>)	5
Advanced Science Elective (<i>BIOL 302 recommended</i>)	3
PES 112/216 General Physics II & Lab (<i>Pre-req/Co-req MATH 136</i>)	5
HSCI 396 Basic Laboratory Skills for Forensic Investigation	3
Advanced Science Elective (<i>BIOL 383 recommended</i>)	3
Humanities or Social Science Elective	3
	28
<u>Fourth Year</u>	
HSCI 401 Health Science Research (<i>fall/summer only</i>)	3
Advanced Science Elective (<i>CHEM 483 recommended</i>)	3
HSCI 330 Professionalism and Ethics (<i>fall/summer only</i>)	3
HSCI 433 Crime Scene Investigation (<i>fall/summer only</i>)	3
Forensic Science Elective	3
HSCI 408 Pathophysiology for Health sciences (<i>Pre-req Biol 201, 202, 203, CHEM 103, 106</i>)	3
HSCI 432 Investigation of Injury & Death (<i>Interim course</i>)	3
Advanced Science Elective	6
Forensic Science Elective	3
	30

TOTAL PROGRAM CREDITS = 120