

Associate of Science in Radiography/Bachelor of Science in Community Health Dual Degree (Pre-Health Professional)



Official Degree Plan, Effective Fall 2023

Student Name: _____ ID #: _____ Date: _____

Core Courses 9 semester hours

Must be taken at Clarkson College

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
ICC*	Intercultural Communication	3	Clarkson College		
HUM	Humanities	3	Clarkson College		
EEA	Ethics, Empathy and Advocacy	3	Clarkson College		

* Designated service course

General Courses 42-43 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
IPE 301	Interprofessional Education	0	Clarkson College		
GEN 101	Strategies for Success (Only if New Student Experience or Conditional Acceptance)	1			
ENG 101	English Composition I	3			
ENG 102	English Composition II	3			
MAT 130	College Algebra	3			
PSY 101	Introduction to Psychology	3			
GEN 105	Medical Terminology	1			
SOC 220	Medical Sociology	2			
MAT 310	Statistics	3			
BIO 211	Human Anatomy	4			
BIO 213	Human Physiology	4			
BUS 140	Health Care Delivery Systems	2			
BIO 122	Nutrition Science	3			
CHL 243	Trauma Informed Care	3			
CHL 248	Introduction to Grant Writing	2			
HIM 180	Essentials of Pharmacology	2			
CHL 244*	Vulnerable Populations	3			

Human Anatomy and Human Physiology courses must be completed with a "C" or higher.

Radiography Major Courses 49 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
RAD 104	Intro. to Radiologic Technology	1	Clarkson College	Fall	
RAD 105*	Patient Care	2	Clarkson College	Fall	
RAD 105L	Patient Care Lab	1	Clarkson College	Fall	
RAD 110	Radiographic Procedures I	3	Clarkson College	Spring	
RAD 110L	Radiographic Procedures I Lab	1	Clarkson College	Spring	
RAD 120	Radiographic Exposures I	3	Clarkson College	Spring	
RAD 120L	Radiographic Exposures I Lab	1	Clarkson College	Spring	
RAD 125	Radiographic Exposures II	3	Clarkson College	Summer	
RAD 125L	Radiographic Exposures II Lab	1	Clarkson College	Summer	
RAD 140	Radiographic Procedures II	3	Clarkson College	Summer	
RAD 140L	Radiographic Procedures II Lab	1	Clarkson College	Summer	
RAD 246	Radiographic Procedures III	2	Clarkson College	Fall	
RAD 246L	Radiographic Procedures III Lab	1	Clarkson College	Fall	
RAD 250	Radiologic Pathology	2	Clarkson College	Fall	
RAD 262	Radiation Physics	3	Clarkson College	Fall	
RAD 265	Clinical Experience I	4	Clarkson College	Fall	
RAD 271	Radiation Biology	3	Clarkson College	Spring	
RAD 275	Clinical Experience II	8	Clarkson College	Spring	
RAD 285	Clinical Experience III	6	Clarkson College	Summer	

* Designated service course

Community Health Major Courses 4 semester hours

Additional major course options below

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
CHL 400*	Fieldwork	2	Clarkson College		
CHL 401	Capstone	2	Clarkson College		

Additional General Courses by Concentration

Students will choose one of the concentration areas to complete the Bachelor of Science degree in Community Health. Pre-Health Professional courses will also be completed, per program requirements, as listed below.

Gerontology Concentration 18 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
HC 220	Gerontology	2	Clarkson College		
CHL 241	Programs, Services and Policies in Aging	3	Clarkson College		
EEA 205	Death and Dying	3	Clarkson College		
CHL 330	Health and Physical Aspects of Aging	3	Clarkson College		
CHL 333	Psychological and Social Aspects of Aging	3	Clarkson College		
CHL 334	Managing Care of the Older Adult	3	Clarkson College		
CHL 335	Seminar in Gerontology	1	Clarkson College		

Public Health Concentration 18 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
CHL 250	Epidemiology	3	Clarkson College		
CHL 251	Environmental Risk Factors and Disease	3	Clarkson College		
CHL 353*	Community Engagement and Social Change	3	Clarkson College		
CHL 355	Health Program Planning and Evaluation	3	Clarkson College		
MAT 410	Advanced Statistics	3	Clarkson College		
BUS 470	Issues and Policies in Public Health	3	Clarkson College		

Human Services Concentration 18 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
CHL 266	Social Policy and Human Services	3	Clarkson College		
EEA 210	American Poverty & Healthcare	3	Clarkson College		
CHL 245	Family Dynamics	1	Clarkson College		
CHL 252	Information and Referral	2	Clarkson College		
CHL 253	Understanding the Criminal Justice System	2	Clarkson College		
CHL 249	Crisis Intervention Seminar	1	Clarkson College		
CHL 353*	Community Engagement and Social Change	3	Clarkson College		
PSY 200	Human Development	3	Clarkson College		

Women's Health Concentration 18 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
CHL 260	Evolution of Women's Health	3	Clarkson College		
CHL 261	Women's Health in Contemporary Society	3	Clarkson College		
CHL 265	Literary Perspectives of Women's Health	3	Clarkson College		
CHL 362	Global Issues in Women's Health	3	Clarkson College		
CHL 364	Mental Health of Women Throughout the Lifespan	3	Clarkson College		
CHL 365	Mammography	1	Clarkson College		
CHL 366	Pharmacology for Women	1	Clarkson College		
CHL 367	Preventative & Restorative Topics for Women	1	Clarkson College		

Health Care Business Concentration 18 semester hours

Maximum of six hours may be transferred

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
HIM 218	Data Analysis and Visualization	3			
BUS 357	Healthcare Accounting & Financial Mgmt	4			
BUS 262	Business Communications & Marketing	3			
BUS 375	Concepts of Leadership	3			

Students select two of the following electives:

BUS 470	Issues and Policies in Public Health	3			
BUS 420	Long Term Care Management	3			
HIM 360	Compliance & Legal Applications	3			
BUS 318	Human Resources & Organizational Behavior	3			
BUS 425	Project Design and Management	3			
BUS 335	Managing Health Care Departments	3			
HIM 333	Classification Systems & Reimbursement Methods	3			
BU 411	Operations and Quality Management	3			

Additional General Courses: Selected Pre-Health Professional Concentration(s)

Students will complete required and elective courses specific to their area of interest.

Pre-Medical and Pre-Dental 54 credits – Students selecting this option will pick 1 concentration above

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
BIO 110	Fundamentals of Biology I	4			
BIO 111	Fundamentals of Biology II	4			
CHM 150	General Chemistry I	4			
CHM 151	General Chemistry II	4			
CHM 240	Organic Chemistry I	4			
CHM 241	Organic Chemistry II	4			
PHY 200	Physics I	4			
PHY 205	Physics II	4			
CHM 270	Biochemistry	3			
	Total Required Credits	35			
Students select 1 credit hours from the following courses:					
BIO 211	Human Anatomy	4			
BIO 300	Immunology	2			
BIO 301	Kinesiology	3			
BIO 310	Genetics	3			
MAT 140	Calculus	4			
HIM 240	Introduction to Informatics	2			
PSY 200	Human Development	3			
PTA 106	Introduction to Physical Therapy	2			
BUS 121	Economics	3			
GEN 300	Research Methods for Health & Social Sciences	3			
EEA,HUM,ICC	Health Care Core	Varies			
CHL	Community Health electives	Varies			
PSY	Psychology electives	Varies			
GEN,MAT	General Education Electives	Varies			

Pre-Pharmacy 36 credits – Students selecting this option will pick 1 concentration above

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
BIO 110	Fundamentals of Biology I	4			
CHM 150	General Chemistry I	4			
CHM 151	General Chemistry II	4			
CHM 240	Organic Chemistry I	4			
CHM 241	Organic Chemistry II	4			
PHY 200	Physics I	4			
MAT 140	Calculus	4			
	Total Required Credits	28			
Students select 8 credit hours from the following courses:					
BIO 111	Fundamentals of Biology II	4			
BIO 210	Microbiology	4			
BIO 300	Immunology	2			
BIO 301	Kinesiology	3			

BIO 310	Genetics	3			
CHM 270	Biochemistry	4			
PHY 205	Physics II	4			
HIM 240	Introduction to Informatics	2			
PSY 200	Human Development	3			
PTA 106	Introduction to Physical Therapy	2			
BUS 121	Economics	3			
GEN 300	Research Methods for Health & Social Sciences	3			
EEA,HUM,ICC	Health Care Core	Varies			
CHL	Community Health electives	Varies			
PSY	Psychology electives	Varies			
GEN, MAT	General Education Electives	Varies			

Pre-Physical Therapy 36 credits – Students selecting this option will pick 1 concentration above

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
BIO 110	Fundamentals of Biology I	4			
BIO 111	Fundamentals of Biology II	4			
CHM 150	General Chemistry I	4			
CHM 151	General Chemistry II	4			
PHY 200	Physics I	4			
PHY 205	Physics II	4			
BIO 301	Kinesiology	3			
PSY 200	Human Development	3			
	Total Required Credits	30			
Students select 16 credit hours from the following courses:					
BIO 210	Microbiology	4			
BIO 300	Immunology	2			
BIO 310	Genetics	3			
CHM 240	Organic Chemistry I	4			
CHM 241	Organic Chemistry II	4			
CHM 270	Biochemistry	4			
MAT 140	Calculus	4			
HM 240	Introduction to Informatics	2			
PTA 106	Introduction to Physical Therapy	2			
BUS 121	Economics	3			
GEN 300	Research Methods for Health & Social Sciences	3			
EEA,HUM, ICC	Health Care Core	Varies			
CHL	Community Health electives	Varies			
PSY	Psychology electives	Varies			
GEN,MAT	General Education Electives	Varies			

Pre-Physician Assistant 36 credits – Students selecting this option will pick 1 concentration above

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
BIO 110	Fundamentals of Biology I	4			
BIO 111	Fundamentals of Biology II	4			
CHM 150	General Chemistry I	4			
CHM 151	General Chemistry II	4			
BIO 210	Microbiology	4			
CHM 240	Organic Chemistry I	4			
CHM 270	Biochemistry	3			
	Total Required Credits	27			
Students select 19 credit hours from the following courses:					
BIO 300	Immunology	2			
BIO 310	Genetics	3			
BIO 301	Kinesiology	3			
CHM 241	Organic Chemistry II	4			
MAT 140	Calculus	4			
PHY 200	Physics I	4			
PHY 205	Physics II	4			
HIM 240	Introduction to Informatics	2			
PSY 200	Human Development	3			
PTA 106	Introduction to Physical Therapy	2			
BUS 121	Economics	3			
GEN 300	Research Methods for Health & Social Sciences	3			
EEA,HUM,ICC	Health Care Core	Varies			
CHL	Community Health electives	Varies			
PSY	Psychology electives	Varies			
GEN,MAT	General Education Electives	Varies			

Pre-Occupational Therapy 18 credits – Students selecting this option will pick 2 concentrations above

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
BIO 110	Fundamentals of Biology I	4			
CHM 150	General Chemistry I	4			
PHY 200	Physics I	4			
BIO 301	Kinesiology	3			
PSY 200	Human Development	3			
	Total Required Credits	18			
Students may substitute the following courses as necessary:					
BIO 111	Fundamentals of Biology II	4			
BIO 210	Microbiology	4			
BIO 300	Immunology	2			
CHM 151	General Chemistry II	4			
BIO 310	Genetics	3			
CHM 240	Organic Chemistry I	4			
CHM 241	Organic Chemistry II	4			
MAT 140	Calculus	4			
CHM 270	Biochemistry	3			
PHY 205	Physics II	4			
HIM 240	Introduction to Informatics	2			
PTA 106	Introduction to Physical Therapy	2			
BUS 121	Economics	3			
GEN 300	Research Methods for Health & Social Sciences	3			
EEA,HUM,ICC	Health Care Core	Varies			
CHL	Community Health electives	Varies			
PSY	Psychology electives	Varies			
GEN, MAT	General Education Electives	Varies			

Total semester hours in program: 122-123 plus selected Pre-Health Professional credits

Service Requirement Bachelor programs require students to complete service experiences in Intercultural Communications Core and a minimum of one program-designated service course. Service experiences must be passed successfully in order to pass the class.

Interprofessional Education Requirement (IPE) All programs require students to successfully pass the Interprofessional Education course (IPE 301) before graduation.

Residency Requirement At least 27 semester hours must be completed at Clarkson College for a Bachelor's degree.

Registrar Signature: _____ Date: _____