

# Metropolitan Community College Transfer Guide to Clarkson College



## Bachelor of Science Degree in Community Health: Pre-Health Professional Track



Effective Fall 2025

The following transfer guide is intended to assist MCC students interested in transferring to the Bachelor of Science in Community Health: Pre-Health Professional track at Clarkson College. This is for students wanting to complete a Bachelor degree in preparation for graduate professional programs in Dentistry, Medicine, Pharmacy, Physician Assistant, Physical Therapy, or Occupational Therapy.

This transfer guide outlines requirements for the Bachelor of Science in Community Health: Pre-Health Professional track and includes corresponding MCC courses that are approved transfer courses into this program.

### Core Courses 9 credits

Must be taken at Clarkson College

CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
HCC*	Healthcare Communication	3
HUM	Humanities	3
EEA	Ethics, Empathy and Advocacy	3

\*Designated service course

### General Courses 37 credits

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
			IPE 301	Interprofessional Education	0
ENGL 1010	English Composition I	4.5	ENG 101	English Composition I	3
ENGL 1020	English Composition II	4.5	ENG 102	English Composition II	3
PSYC 1010	Introduction to Psychology	4.5	PSY 101	Introduction to Psychology	3
MATH 1425	Pre-Calculus Algebra	5	MAT 130	College Algebra	3
HIMS 1120	Medical Terminology I	4.5	GEN 105	Medical Terminology	1
HLTH 1050	Nutrition in the Life Cycle	4.5	BIO 122	Nutrition Science	3
			BUS 140	Healthcare Delivery Systems	2
			SOC 220	Medical Sociology	2
			CHL 244*	Vulnerable Populations	3
			CHL 243	Trauma Informed Care	3

			HIM 180	Essentials of Pharmacology	2
MATH 1410	Statistics	4.5	MAT 310	Statistics	3
			CHL 248	Introduction to Grant Writing	2
SOCI 1010	Introduction to Sociology	4.5	SOC 101	Introduction to Sociology	3
			CHL	CHL elective	1

### Major Courses 4 credits

CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
CHL 400*	Fieldwork	2
CHL 401	Capstone	2

### Additional General Courses: Selected Concentration(s)

Students interested in applying to an Occupational Therapy program pick two of the following concentrations. All other Pre-Health Professional students will pick one concentration (due to different number of required science courses).

### Public Health Concentration 18 credits

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
			BUS 470	Issues & Policies in Public Health	3
			CHL 250	Epidemiology	3
			CHL 353*	Community Engagement & Social Change	3
			CHL 251	Environmental Risk Factors for Disease	3
			MAT 410	Advanced Statistics in Public Health	3
			CHL 355	Health Program Planning & Evaluation	3

### Human Services Concentration 18 credits

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
PSYC 1120	Human Growth & Development	4.5	PSY 200	Human Development	3
			CHL 266	Social Policy & Human Services	3
SOCI 2160	Marital and Family Relationships	4.5	CHL 245	Family Dynamics	1
			EEA 210	American Poverty & Healthcare	3
			CHL 252	Information and Referral	2
			CHL 249	Crisis Intervention	1
CRIM 1010	Intro to Criminal Justice	4.5	CHL 253	Understanding Criminal Justice System	2
			CHL 353*	Community Engagement & Social Change	3

**Gerontology Concentration** 18 credits

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
SOCI 2110	Intro to Gerontology	4.5	GEN 220	Gerontology	2
			CHL 241	Programs, Services & Policies in Aging	3
			EEA 205	Death and Dying	3
			CHL 330	Health & Physical Aspects of Aging	3
			CHL 333	Psychological & Social Aspects of Aging	3
			CHL 334	Managing Care of the Older Adult	3
			CHL 335	Seminar in Gerontology	1

**Women's Health Concentration** 18 credits

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
			CHL 260	Evolution of Women's Health	3
			CHL 261	Women's Health in Contemporary Society	3
			CHL 265	Literary Perspectives of Women's Health	3
			CHL 362	Global Issues in Women's Health	3
			CHL 364	Mental Health of Women Throughout the Lifespan	3
			CHL 365	Mammography	1
			CHL 366	Pharmacology in Women's Health	1
			CHL 367	Preventative and Restorative Topics for Women	1

**Nutrition Concentration** 18 credits

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
HLTH 1050	Nutrition in the Life Cycle	4.5	BIO 122	Nutrition Science	3
PSYC 1010	Introduction to Psychology	4.5	PSY 101	Introduction to Psychology	3
			BUS 470	Issues & Policies in Public Health	3
			NDM 104	Lifecycle Nutrition I	3
			NDM 105	Lifecycle Nutrition II	3
			NDM 106	Medical Nutrition Therapy	3

## Health Care Business Concentration 18 credits

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
			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	2

Students select two of the following electives:

			BUS 470	Issues & Policies in Public Health	3
			BUS 420	Long Term Care Management	3
BSAD 1100	Business Law I	4.5	HIM 360	Compliance & Legal Applications	3
			BUS 318	Human Resources and Organizational Behavior	3
			BUS 425	Project Design and Management	3
			BUS 335	Managing Health Care Departments	3
			HIM 333	Classification Systems & Reimbursement Methodologies	3
			BUS 411	Operations and Quality Management	3

\*Designated service course

## 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

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIOS 1010	General Biology	6	BIO 110	Fundamentals of Biology I	4
BIOS 111, BIOS 1121, and BIOS 1130	Biology I, II, and III	15	BIO 110 and BIO 111	Fundamentals of Biology I and II	8
CHEM 1212 or CHEM 1010	General Chemistry I or College Chemistry	6	CHM 150	General Chemistry I	4
CHEM 1220	General Chemistry II	6	CHM 151	General Chemistry II	4
BIOS 2310	Human Anatomy & Physiology I	6	BIO 211	Human Anatomy	4
BIOS 2320	Human Anatomy & Physiology II	6	BIO 213	Human Physiology	4
CHEM 2320	Organic Chemistry	6	CHM 240	Organic Chemistry I	4
CHEM 2330	Organic Chemistry II	6	CHM 241	Organic Chemistry II	4
PHYS 110A, PHYS 110B, and PHYS 110C	Principles of Physics IA, IB, and IC	7.5	PHY 200	Physics I	4
PHYS 111A, PHYS 111B, PHYS 111C	Principles of Physics IIA, IIB, and IIC	7.5	PHY 205	Physics II	4
			CHM 270	Biochemistry	4
				Total Required Credits	44
Students select 10 credit hours from the following courses:					
BIOS 2150	Microbiology	6	BIO 211	Microbiology	4
			BIO 300	Immunology	3
			BIO 301	Kinesiology	3
BIOS 2050	Genetics	4.5	BIO 310	Genetics	3
MATH 2410	Analytic Geometry and Calculus I	7.5	MAT 140	Calculus	4
PSYC 1120	Human Growth and Development	4.5	PSY 200	Human Development	3
			PTA 106	Introduction to Physical Therapy	2
ECON 1050	Survey of Economics	4.5	BUS 121	Economics	3
			GEN 300	Research Methods for Health & Social Sciences	3
			EEA,HUM,HCC	Core Courses	Varies
			CHL	Community Health electives	Varies
			PSY	Psychology electives	Varies
			GEN,MAT	General Education Electives	Varies

**Pre-Pharmacy** 54 credits – Students selecting this option will pick 1 concentration above

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIOS 1010	General Biology	6	BIO 110	Fundamentals of Biology I	4
CHEM 1212 or CHEM 1010	General Chemistry I or College Chemistry	6	CHM 150	General Chemistry I	4
CHEM 1220	General Chemistry II	6	CHM 151	General Chemistry II	4
BIOS 2310	Human Anatomy & Physiology I	6	BIO 211	Human Anatomy	4
BIOS 2320	Human Anatomy & Physiology II	6	BIO 213	Human Physiology	4
CHEM 2320	Organic Chemistry	6	CHM 240	Organic Chemistry I	4
CHEM 2330	Organic Chemistry II	6	CHM 241	Organic Chemistry II	4
PHYS 110A, PHYS 110B, and PHYS 110C	Principles of Physics IA, IB, and IC	7.5	PHY 200	Physics I	4
MATH 2410	Analytic Geometry and Calculus I	7.5	MAT 140	Calculus	4
				Total Required Credits	36
Students select 18 credit hours from the following courses:					
			BIO 111	Fundamentals of Biology II	4
BIOS 2150	Microbiology	6	BIO 211	Microbiology	4
			BIO 300	Immunology	3
			BIO 301	Kinesiology	3
BIOS 2050	Genetics	4.5	BIO 310	Genetics	3
			CHM 270	Biochemistry	4
PHYS 111A, PHYS 111B, and PHYS 111C	Principles of Physics IIA, IIB, and IIC		PHY 205	Physics II	4
PSYC 1120	Human Growth and Development	4.5	PSY 200	Human Development	3
			PTA 106	Introduction to Physical Therapy	2
ECON 1050	Survey of Economics	4.5	BUS 121	Economics	3
			GEN 300	Research Methods for Health & Social Sciences	3
			EEA,HUM,HCC	Core Courses	Varies
			CHL	Community Health electives	Varies
			PSY	Psychology electives	Varies
			GEN, MAT	General Education Electives	Varies

**Pre-Physical Therapy** 54 credits – Students selecting this option will pick 1 concentration above.

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIOS 1010	General Biology	6	BIO 110	Fundamentals of Biology I	4
BIOS 111, BIOS 1121, and BIOS 1130	Biology I, II, and III	15	BIO 111	Fundamentals of Biology II	4
CHEM 1212 or CHEM 1010	General Chemistry I or College Chemistry	6	CHM 150	General Chemistry I	4
CHEM 1220	General Chemistry II	6	CHM 151	General Chemistry II	4
BIOS 2310	Human Anatomy & Physiology I	6	BIO 211	Human Anatomy	4
BIOS 2320	Human Anatomy & Physiology II	6	BIO 213	Human Physiology	4
PHYS 110A, PHYS 110B, and PHYS 110C	Principles of Physics IA, IB, and IC	7.5	PHY 200	Physics I	4
PHYS 111A, PHYS 111B, PHYS 111C	Principles of Physics IIA, IIB, and IIC	7.5	PHY 205	Physics II	4
				Total Required Credits	32
Students select 16 credit hours from the following courses:					
			BIO 301	Kinesiology	3
PSYC 1120	Human Growth and Development	4.5	PSY 200	Human Development	3
BIOS 2150	Microbiology	6	BIO 211	Microbiology	4
			BIO 300	Immunology	3
BIOS 2050	Genetics	4.5	BIO 310	Genetics	3
CHEM 2320	Organic Chemistry	6	CHM 240	Organic Chemistry I	4
CHEM 2330	Organic Chemistry II	6	CHM 241	Organic Chemistry II	4
			CHM 270	Biochemistry	4
MATH 2410	Analytics Geometry and Calculus I	7.5	MAT 140	Calculus	4
			PTA 106	Introduction to Physical Therapy	2
ECON 1050	Survey of Economics	4.5	BUS 121	Economics	3
			GEN 300	Research Methods for Health & Social Sciences	3
			EEA,HUM, HCC	Core Courses	Varies
			CHL	Community Health electives	Varies
			PSY	Psychology electives	Varies
			GEN, MAT	General Education Electives	Varies

**Pre-Physician Assistant** 54 credits – Students selecting this option will pick 1 concentration above.

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIOS 1010	General Biology	6	BIO 110	Fundamentals of Biology I	4
BIOS 111, BIOS 1121, and BIOS 1130	Biology I, II, and III	15	BIO 111	Fundamentals of Biology II	4
CHEM 1212 or CHEM 1010	General Chemistry I or College Chemistry	6	CHM 150	General Chemistry I	4
CHEM 1220	General Chemistry II	6	CHM 151	General Chemistry II	4
BIOS 2310	Human Anatomy & Physiology I	6	BIO 211	Human Anatomy	4
BIOS 2320	Human Anatomy & Physiology II	6	BIO 213	Human Physiology	4
BIOS 2150	Microbiology	6	BIO 211	Microbiology	4
CHEM 2320	Organic Chemistry	6	CHM 240	Organic Chemistry I	4
			CHM 270	Biochemistry	4
				Total Required Credits	36
Students select 18 credit hours from the following courses:					
			BIO 300	Immunology	3
BIOS 2050	Genetics	4.5	BIO 310	Genetics	3
			BIO 301	Kinesiology	3
CHEM 2330	Organic Chemistry II	6	CHM 241	Organic Chemistry II	4
MATH 2410	Analytics Geometry and Calculus I	7.5	MAT 140	Calculus	4
PHYS 110A, PHYS 110B, and PHYS 110C	Principles of Physics IA, IB, and IC	7.5	PHY 200	Physics I	4
PHYS 111A, PHYS 111B, PHYS 111C	Principles of Physics IIA, IIB, and IIC	7.5	PHY 205	Physics II	4
PSYC 1120	Human Growth and Development	4.5	PSY 200	Human Development	3
			PTA 106	Introduction to Physical Therapy	2
ECON 1050	Survey of Economics	4.5	BUS 121	Economics	3
			GEN 300	Research Methods for Health & Social Sciences	3
			EEA,HUM,HCC	Core Courses	Varies
			CHL	Community Health electives	Varies
			PSY	Psychology electives	Varies
			GEN, MAT	General Education Electives	Varies



**Pre-Occupational Therapy** 36 credits – Students selecting this option will pick 2 concentrations above.

MCC COURSE	MCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIOS 1010	General Biology	6	BIO 110	Fundamentals of Biology I	4
CHEM 1212 or CHEM 1010	General Chemistry I or College Chemistry	6	CHM 150	General Chemistry I	4
BIOS 2310	Human Anatomy & Physiology I	6	BIO 211	Human Anatomy	4
BIOS 2320	Human Anatomy & Physiology II	6	BIO 213	Human Physiology	4
PHYS 110A, PHYS 110B, and PHYS 110C	Principles of Physics IA, IB, and IC	7.5	PHY 200	Physics I	4
PSYC 1120	Human Growth and Development	4.5	PSY 200	Human Development	3
				Total Required Credits	23
Students select 13 credit hours from the following courses:					
BIOS 111, BIOS 1121, and BIOS 1130	Biology I, II, and III	15	BIO 111	Fundamentals of Biology II	4
BIOS 2150	Microbiology	6	BIO 211	Microbiology	4
			BIO 300	Immunology	3
			BIO 301	Kinesiology	3
CHEM 1220	General Chemistry II	6	CHM 151	General Chemistry II	4
BIOS 2050	Genetics	4.5	BIO 310	Genetics	3
CHEM 2320	Organic Chemistry	6	CHM 240	Organic Chemistry I	4
CHEM 2330	Organic Chemistry II	6	CHM 241	Organic Chemistry II	4
MATH 2410	Analytics Geometry and Calculus I	7.5	MAT 140	Calculus	4
			CHM 270	Biochemistry	4
PHYS 111A, PHYS 111B, PHYS 111C	Principles of Physics IIA, IIB, and IIC	7.5	PHY 205	Physics II	4
			PTA 106	Introduction to Physical Therapy	2
ECON 1050	Survey of Economics	4.5	BUS 121	Economics	3
			GEN 300	Research Methods for Health & Social Sciences	3
			EEA,HUM,HCC	Core Courses	Varies
			CHL	Community Health electives	Varies
			PSY	Psychology electives	Varies
			GEN, MAT	General Education Electives	Varies

## **Total semester hours in program = 122**

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

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

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

**For more information, please contact Sarah Flanagan, Director of Community Health  
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