

# Iowa Western 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 IWCC 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 IWCC 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

IWCC COURSE	IWCC COURSE	HOURS	CLARKSON COURSE	CLARKSON COLLEGE COURSE	HOURS
			IPE 301	Interprofessional Education	0
ENG 105	English Composition I	3	ENG 101	English Composition I	3
ENG 106	English Composition II	3	ENG 102	English Composition II	3
PSY 111	Introduction to Psychology	3	PSY 101	Introduction to Psychology	3
MAT 121	College Algebra	4	MAT 130	College Algebra	3
HSC 113	Medical Terminology	2	GEN 105	Medical Terminology	1
BIO 151	Nutrition	3	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
MAT 157	Statistics	4	MAT 310	Statistics	3
			CHL 248	Introduction to Grant Writing	2
SOC 110	Introduction to Sociology	3	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

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

**Human Services Concentration** 18 credits

IWCC COURSE	IWCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
PSY 121	Developmental Psychology	3	PSY 200	Human Development	3
			CHL 266	Social Policy & Human Services	3
SOC 120	Marriage & Family	3	CHL 245	Family Dynamics	1
			EEA 210	American Poverty & Healthcare	3
			CHL 252	Information and Referral	2
			CHL 249	Crisis Intervention	1
CRJ 100	Intro to Criminal Justice	3	CHL 253	Understanding Criminal Justice System	2
			CHL 353*	Community Engmt & Social Change	3

**Gerontology Concentration** 18 credits

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

**Women's Health Concentration 18 credits**

IWCC COURSE	IWCC 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

**Health Care Business Concentration 18 credits**

IWCC COURSE	IWCC 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 & Mktg	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
BUS 185	Business Law I	3	HIM 360	Compliance & Legal Applications	3
			BUS 318	Human Resources & Org Behavior	3
			BUS 425	Project Design and Management	3
			BUS 335	Managing Health Care Depts	3
			HIM 333	Classification Systems & Reimbursement Methodologies	3
			BUS 411	Operations & Quality Mgmt	3

**Nutrition Concentration 18 credits**

IWCC COURSE	IWCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIO 151	Nutrition	3	BIO 122	Nutrition Science	3
PSY 111	Introduction to Psychology	3	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

\*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

IWCC COURSE	IWCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIO 112	General Biology I	4	BIO 110	Fundamentals of Biology I	4
BIO 113	General Biology II	4	BIO 111	Fundamentals of Biology II	4
CHM 166	General Chemistry I	5	CHM 150	General Chemistry I	4
CHM 176	General Chemistry II	5	CHM 151	General Chemistry II	4
BIO 168	Human Anatomy & Physiology I	4	BIO 211	Human Anatomy	4
BIO 173	Human Anatomy & Physiology II	4	BIO 213	Human Physiology	4
CHM 263	Organic Chemistry I	5	CHM 240	Organic Chemistry I	4
CHM 273	Organic Chemistry II	5	CHM 241	Organic Chemistry II	4
PHY 156 PHY 157	General Physics I and General Physics I Lab	5	PHY 200	Physics I	4
PHY 210 PHY 211	Classical Physics I and Classical Physics I Lab	5	PHY 205	Physics II	4
			CHM 270	Biochemistry	4
				Total Required Credits	44
Students select 10 credit hours from the following courses:					
BIO 186	Microbiology	4	BIO 211	Microbiology	4
			BIO 300	Immunology	3
			BIO 301	Kinesiology	3
			BIO 310	Genetics	3
MAT 211	Calculus I	5	MAT 140	Calculus	4
PSY 121	Developmental Psychology	3	PSY 200	Human Development	3
			PTA 106	Introduction to Physical Therapy	2
ECN 120	Principles of Macroeconomics	3	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

IWCC COURSE	IWCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIO 112	General Biology I	4	BIO 110	Fundamentals of Biology I	4
CHM 166	General Chemistry I	5	CHM 150	General Chemistry I	4
CHM 176	General Chemistry II	5	CHM 151	General Chemistry II	4
BIO 168	Human Anatomy & Physiology I	4	BIO 211	Human Anatomy	4
BIO 173	Human Anatomy & Physiology II	4	BIO 213	Human Physiology	4
CHM 263	Organic Chemistry I	5	CHM 240	Organic Chemistry I	4
CHM 273	Organic Chemistry II	5	CHM 241	Organic Chemistry II	4
PHY 156 PHY 157	General Physics I and General Physics I Lab	5	PHY 200	Physics I	4
MAT 211	Calculus I	5	MAT 140	Calculus	4
				Total Required Credits	36
Students select 18 credit hours from the following courses:					
BIO 113	General Biology II	4	BIO 111	Fundamentals of Biology II	4
BIO 186	Microbiology	4	BIO 211	Microbiology	4
			BIO 300	Immunology	3
			BIO 301	Kinesiology	3
			BIO 310	Genetics	3
			CHM 270	Biochemistry	4
PHY 210 PHY 211	Classical Physics I and Classical Physics I Lab	5	PHY 205	Physics II	4
PSY 121	Developmental Psychology	3	PSY 200	Human Development	3
			PTA 106	Introduction to Physical Therapy	2
ECN 120	Principles of Macroeconomics	3	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.

IWCC COURSE	IWCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIO 112	General Biology I	4	BIO 110	Fundamentals of Biology I	4
BIO 113	General Biology II	4	BIO 111	Fundamentals of Biology II	4
CHM 166	General Chemistry I	5	CHM 150	General Chemistry I	4
CHM 176	General Chemistry II	5	CHM 151	General Chemistry II	4
BIO 168	Human Anatomy & Physiology I	4	BIO 211	Human Anatomy	4
BIO 173	Human Anatomy & Physiology II	4	BIO 213	Human Physiology	4
PHY 156 PHY 157	General Physics I and General Physics I Lab	5	PHY 200	Physics I	4
PHY 210 PHY 211	Classical Physics I and Classical Physics I Lab	5	PHY 205	Physics II	4
				Total Required Credits	32
Students select 122 credit hours from the following courses:					
			BIO 301	Kinesiology	3
PSY 121	Developmental Psychology	3	PSY 200	Human Development	3
BIO 186	Microbiology	4	BIO 211	Microbiology	4
			BIO 300	Immunology	3
			BIO 310	Genetics	3
CHM 263	Organic Chemistry I	5	CHM 240	Organic Chemistry I	4
CHM 273	Organic Chemistry II	5	CHM 241	Organic Chemistry II	4
			CHM 270	Biochemistry	4
MAT 211	Calculus I	5	MAT 140	Calculus	4
			PTA 106	Introduction to Physical Therapy	2
ECN 120	Principles of Macroeconomics	3	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.

IWCC COURSE	IWCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIO 112	General Biology I	4	BIO 110	Fundamentals of Biology I	4
BIO 113	General Biology II	4	BIO 111	Fundamentals of Biology II	4
CHM 166	General Chemistry I	5	CHM 150	General Chemistry I	4
CHM 176	General Chemistry II	5	CHM 151	General Chemistry II	4
BIO 168	Human Anatomy & Physiology I	4	BIO 211	Human Anatomy	4
BIO 173	Human Anatomy & Physiology II	4	BIO 213	Human Physiology	4
BIO 186	Microbiology	4	BIO 211	Microbiology	4
CHM 263	Organic Chemistry I	5	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
			BIO 310	Genetics	3
			BIO 301	Kinesiology	3
CHM 273	Organic Chemistry II	5	CHM 241	Organic Chemistry II	4
MAT 211	Calculus I	5	MAT 140	Calculus	4
PHY 156 PHY 157	General Physics I and General Physics I Lab	5	PHY 200	Physics I	4
PHY 210 PHY 211	Classical Physics I and Classical Physics I Lab	5	PHY 205	Physics II	4
PSY 121	Developmental Psychology	3	PSY 200	Human Development	3
			PTA 106	Introduction to Physical Therapy	2
ECN 120	Principles of Macroeconomics	3	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.

IWCC COURSE	IWCC COURSE	HOURS	CLARKSON COLLEGE COURSE	CLARKSON COLLEGE COURSE	HOURS
BIO 112	General Biology I	4	BIO 110	Fundamentals of Biology I	4
CHM 166	General Chemistry I	5	CHM 150	General Chemistry I	4
BIO 168	Human Anatomy & Physiology I	4	BIO 211	Human Anatomy	4
BIO 173	Human Anatomy & Physiology II	4	BIO 213	Human Physiology	4
PHY 156 PHY 157	General Physics I and General Physics I Lab	5	PHY 200	Physics I	4
PSY 121	Developmental Psychology	3	PSY 200	Human Development	3
				Total Required Credits	23
Students select 13 credit hours from the following courses:					
BIO 113	General Biology II	4	BIO 111	Fundamentals of Biology II	4
BIO 186	Microbiology	4	BIO 211	Microbiology	4
			BIO 300	Immunology	3
			BIO 301	Kinesiology	3
CHM 176	General Chemistry II	5	CHM 151	General Chemistry II	4
			BIO 310	Genetics	3
CHM 263	Organic Chemistry I	5	CHM 240	Organic Chemistry I	4
CHM 273	Organic Chemistry II	5	CHM 241	Organic Chemistry II	4
MAT 211	Calculus I	5	MAT 140	Calculus	4
			CHM 270	Biochemistry	4
PHY 210 PHY 211	Classical Physics I and Classical Physics I Lab	5	PHY 205	Physics II	4
			PTA 106	Introduction to Physical Therapy	2
ECN 120	Principles of Macroeconomics	3	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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