

**Grand Rapids Community College (GRCC)**  
**Pre-Public Health, A.A.**  
Articulation Agreement and Transfer Guide

Public health is the science and art of preventing illness and disease and promoting evidence-based health practices with the goal of improving the quality of life. It is concerned with threats to health based on population health analysis. The population in question can be as small as a handful of people, or as large as all the inhabitants of several continents. The dimensions of health can encompass a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity, as defined by the United Nations World Health Organization (WHO). Public health incorporates the interdisciplinary approaches of epidemiology, biostatistics and a vast array of health services. A host of specialists including educators, journalists, researchers, administrators, environmentalists, demographers, social workers, laboratory scientists and more, work to protect the health of the public. Public health professionals serve local, national and international communities in settings such as environmental health, community health, behavioral health, health economics, public policy, insurance and occupational health. Public health is a very rewarding field offering great personal fulfillment in serving others.

According to Healthy People 2010 (a study of the U.S. Public Health Infrastructure), there is growing demand for public health professionals, which will exponentially increase with the advent of recently passed health care reform legislation known as the Affordable Care Act. Historically, public health education existed as a professional degree program with training at the graduate level only. In 2003, the Institute of Medicine (IOM) recommended that public health education be accessible to all undergraduates.

**Communication Competency Requirements** (the GRCC courses listed below are part of the A.A. requirements)

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
COMM 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	COM 135 or COM 131 or No Equivalent	Interpersonal Communication or Fundamentals of Public Speaking or No Equivalent	3
ENGL 150	English 1	3	EN 101	English Composition 1	3
ENGL 250	English 2	3	EN 102	English Composition 2	3
ENGL 321 or ENGL 323	Advanced Composition or Proposal Writing	3	No Equivalent	No Equivalent	No Equivalent

**Quantitative Literacy Requirements**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
MATH 115	Intermediate Algebra	3	MA 107	Intermediate Algebra	4

**Natural Sciences Competency Requirements** - Two courses are required with a minimum of 6 credits: must have at least one lab course. (the GRCC courses listed below are part of the A.A. requirements)

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
CHEM 121	General Chemistry 1	5	CHM 130 and CHM 131	General Chemistry 1 and General Chemistry 1 Lab	5
BIOL 121	General Biology 1	4	BI 151	Intro-Cells/Molecules/Genes	4

**Culture Competency Requirements** - Three courses are required with a minimum of 9 credits: must be from two different disciplines.

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	FSU General Education - Culture Electives	3	Varies	Varies	3
Varies	FSU General Education - Culture Electives	3	Varies (A.A. degree requirement)	Varies	3
PHIL 320	Biomedical Ethics	3	PL 206 (A.A. degree requirement)	Biomedical Ethics	3

**Self and Society Competency Requirements** – Three courses are required with a minimum of 9 credits: must be from two different disciplines, have at least one 200 FSU level or higher course, and at least one Self and Society Foundation course.

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	FSU General Education – Self and Society Elective	6	Varies (A.A. degree requirement)	Varies	6
Varies	FSU General Education – Self and Society Elective	3	Varies	Varies	3

## Ferris State University General Education Program

**Students are encouraged to work with an advisor to select appropriate general education courses.**

### **Diversity Competency – 2 Courses Required**

If not met by courses taken for Culture, Self and Society, or MTA, a student must meet the following:

- 1 course with the Global Diversity attribute
- 1 course with the U.S. Diversity attribute

### **College Requirements - 81 Credits Required**

#### **Core Curriculum For Health Professions Requirements - 10 Credits Required**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
COHP 101	The U.S. Health Care Systems	3	No Equivalent	No Equivalent	No Equivalent
COHP 102	Safety Issues in Health Care	1	No Equivalent	No Equivalent	No Equivalent
COHP 350 or STQM 260	Statistics in Health Care or Introduction to Statistics	3	No Equivalent or MA 215 (A.A. degree requirement)	No Equivalent or Statistics	No Equivalent or 3
COHP 450	Evidence-Based Health Practice	3	No Equivalent	No Equivalent	No Equivalent

#### **Major Requirements - 42 Credits Required (the GRCC courses listed below are part of the A.A. requirements)**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
MRIS 103 + MRIS ---	Medical Terminology + MRIS General Credit	3 + 1	GH 110 + GH 111	Medical Terminology 1 + Medical Terminology 2 – Language of Medicine	4
PUBH 200	Introduction to Public Health	3	EXS 225	Public Health Concepts	3
PUBH 210	Global Health & Public Health	3	No Equivalent	No Equivalent	No Equivalent
COHP 300	Health Information Systems	3	No Equivalent	No Equivalent	No Equivalent
PUBH 300	Health Promotion & Education	3	No Equivalent	No Equivalent	No Equivalent
PUBH 310	Public Health Services in Rural Populations	3	No Equivalent	No Equivalent	No Equivalent
PUBH 320	Nutrition & Health	3	No Equivalent	No Equivalent	No Equivalent
PUBH 330	Environmental Health & Safety	3	No Equivalent	No Equivalent	No Equivalent
PUBH 340	Mass Media & Technology Use in Public Health	3	No Equivalent	No Equivalent	No Equivalent
PUBH 350	Epidemiology	3	No Equivalent	No Equivalent	No Equivalent
PUBH 355	Chronic Disease Epidemiology	3			
PUBH 400	Health Care Services Administration & Management	3	No Equivalent	No Equivalent	No Equivalent
PUBH 420	Health Program Planning, Implementation & Evaluation	3	No Equivalent	No Equivalent	No Equivalent
PUBH 495	Public Health Internship & Capstone	3	No Equivalent	No Equivalent	No Equivalent

#### **Additional Natural Sciences - 17 Credits Required**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
CHEM 122	General Chemistry 2	5	CHM 140 + CHM 141 (A.A. degree requirement)	General Chemistry 2 + General Chemistry 2 Lab	5
BIOL 108	Medical Microbiology	3	BI 127 (A.A. degree requirement)	Microbiology	4
BIOL 121 + BIOL 122	General Biology 1 + General Biology 2	8	BI 151 + BI 152 (A.A. degree requirement)	Introduction to Cells, Molecules, and Genes + Biological Diversity	8
BIOL 205 + BIOL 2ZL	Anatomy & Physiology + BIOL General Credit	8	BI 121 + BI 122	Human Anatomy & Physiology 1 + Human Anatomy & Physiology 2	8

**Minor, Certificate, or Selected Electives – 12 Credits Required** (Advisor approval required. There are potential courses at GRCC that could meet these requirements.)

**Option One: Minor** – 12 credits required – Choose one minor below; other minors may be approved by an advisor.

- Biology (BIOL)
- Cell and Molecular Biology (CMB)
- Communication (COM)
- International Studies (ISTD)
- Lean Healthcare (LNHC)
- Marketing/Sales (MKTS)
- Medical Informatics (MEDI)
- Public Advocacy (PBAD)
- Public Relations (PURE)
- Sociology (SOCY)
- Spanish (SPAN)

**Option Two: Certificate**, 12 credits required – Choose one certificate below; other certificates may be approved by an advisor.

- Data Analytics (DAAN)
- Gerontology (GRNT)
- Leadership and Supervision (LDSP)
- Lean Healthcare (LNHC)
- Marketing (MKT)
- Marketing/Sales (MKTS)
- Project Management (PROJ)
- Public Advocacy (PBAD)

**Option Three: Selected Electives-** 12 credits required - Advisor Approval - Three out of the four selected electives are required to be PUBH courses. The MATH courses within this list of selected electives may be pre-requisites for Physics (PHYS) courses.

- ACCT 201 - Principles of Financial Accounting
- ANTH 320 - Contemporary American Indian Issues
- ANTH 371 - Medical Anthropology
- ANTH 385 - Reproductive Health-Sexuality
- BIOL 286 - General Microbiology
- BIOL 300 - Pathophysiology
- BIOL 321 & 322 - Human Physiology-Anatomy 1 & 2
- BIOL 346 - Ecological Assessment
- BIOL 347 - Environmental Conservation
- BIOL 370 - Developmental Biology
- BIOL 373 - Cell Biology
- BIOL 375 - Principles of Genetics
- BIOL 386 - Microbiology and Immunology
- BIOL 442 - Ecology
- BIOL 460 - Special Topics in Biology
- BIOL 475 - Bioinformatics
- CHEM 321 - Organic Chemistry 1
- CHEM 322 - Organic Chemistry 2
- CHEM 324 - Fundamentals of Biochemistry
- CHEM 364 - Biochemistry
- ECON 221 - Principles of Macroeconomics
- GEOG 311 - Social Aspects of GIS
- HUMN 202 - African-American Cultural Expression
- HUMN 240 - Popular Culture
- MATH 116 - Intermediate Algebra-Numeric Trig
- MATH 120 - Trigonometry
- MATH 220 - Analytical Geometry-Calculus 1
- MGMT 310 - Small Business Management
- PHYS 211 - Introductory Physics 1
- PHYS 212 - Introductory Physics 2
- PHYS 241 - General Physics 1
- PHYS 242 - General Physics 2
- PLSC 122 - American Government 2 - Policy Making
- PLSC 225 - Government Processes-Procedures
- PLSC 251 - Public Administration
- PLSC 301 - Perspective-Developing World
- PLSC 311 - American State Local Government
- PLSC 323 - International Organizations
- PLSC 331 - Comparative World Governments
- PLSC 341 - International Politics
- PLSC 411 - Urban Regional Planning
- PSYC 150 - Introduction to Psychology
- PSYC 310 - Educational Psychology
- PSYC 325 - Social Psychology
- PSYC 326 - Industrial-Organizational Psychology
- PSYC 370 - Principles of Learning
- PSYC 410 - Behavior Modification
- PSYC 430 - Interpersonal-Cultural Perceptions
- PUBH 305 - Maternal and Child Health
- PUBH 315 - Multicultural Health
- PUBH 405 - Contemporary Practice of Public Health Leadership
- PUBH 410 - Infectious/Communicable Disease Epidemiology
- RELG 215 - Comparative Religions
- RLMS 122 - Responding to Emergencies
- SOCY 121 - Introductory Sociology
- SOCY 122 - Social Problems
- SOCY 141 - The American Community
- SOCY 225 - Marriage and the Family
- SOCY 230 - Gender Roles in Society
- SOCY 340 - Race and Ethnicity in the U.S.
- SOCY 341 - Community Studies
- SOCY 344 - World Urban Sociology
- SOCY 345 - The Field of Aging
- SOCY 347 - The Sociology of Disasters
- SOCY 373 - Health and Illness in Society

**Total Credits Required for Degree**

**123 - 124**

**Program Delivery Locations and Contact Information:**

**Main Campus, Big Rapids**

**College of Health Professions**

(231) 591-2270 | [College of Health Professions Email](#)

[Transfer Partnerships Webpage](#)

This degree is offered at the Ferris State University, Big Rapids Campus. Please note that select courses may be delivered online and/or in a mixed delivery format.

**Ferris State University and Grand Rapids Community College – Public Health Bachelor of Science - Articulation Agreement and Transfer Guide**

Effective June 15, 2020 – June 15, 2023

*Ferris State University is an equal opportunity institution. For information on the University's Policy on Non-Discrimination, visit [ferris.edu/non-discrimination](http://ferris.edu/non-discrimination).*

## **General Admission Criteria**

### **Transfer Students to the University**

- 2.00 GPA (on a 4.00 scale)

### **Transfer Students to the Program**

- Minimum GPA of 2.70 (on a 4.00 scale) or 3.00 (on a 4.00 scale) if applying for accelerated track.  
International applicants must submit a minimum paper or Internet TOEFL score of 550/80, respectively.

### **Advising Notes**

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. Students who are completing the MTA may have different general education course requirements for the particular degree selected. Meeting with a Ferris advisor prior to the selection of general education or elective course work may reduce the chance of completing a course that will not apply toward the selected degree. Once admitted, students must continue to meet with an advisor as they work toward graduation.

***Grand Rapids Community College courses that are listed above but are not part of the Pre-Public Health, A.A. degree requirements, may be completed at Grand Rapids Community College.***

### **Transfer Student Orientation**

All new students to Ferris State University are required to complete an orientation.

### **Reverse Transfer Agreement**

Grand Rapids Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both Grand Rapids Community College and Ferris.

### **Michigan Transfer Agreement (MTA)**

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

Students must work with their Ferris advisor to declare a Minor or Concentration and for selection of Directed Electives.

### Original Signed Articulation Agreement

The original, signed document is kept on file in the Office of Transfer and Secondary School Partnerships. To obtain a copy of the original, signed document, contact the Office of Transfer and Secondary School Partnerships at 231/591-5983 or email your request to [transfercenter@ferris.edu](mailto:transfercenter@ferris.edu).

This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Agreement delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement.

### Indemnification

To the extent permitted by law, Ferris State University and Grand Rapids Community College agree to indemnify and hold one another harmless from any and all claims initiated by student participants, their parents, survivors, or agents, arising from any negligent acts or omission on the part of either institution or any of their employees.

### Articulation Agreement

#### Effective Dates: June 15, 2020 – June 15, 2023

This Agreement shall commence as of June 15, 2020 and shall be for an initial term of three years. Minor updates to the agreement may be made during this time. This agreement may be renewed at the end of three years. Either party may terminate this agreement by providing the other party with written notice of the intent to terminate the agreement. The agreement shall terminate not less than one hundred eighty (180) days from the date of the termination notice, unless otherwise agreed in writing by both parties.

### Signatures

Ferris State University  
1201 S. State Street  
Big Rapids, MI 49307  
Phone: (231) 591-2000

Grand Rapids Community College  
143 Bostwick Ave NE  
Grand Rapids, MI 49503  
Phone: (616) 234-4000

Lincoln A.  
Gibbs

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A. Gibbs  
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Lincoln A. Gibbs, EdD, MPH, CHES.  
Dean  
College of Health Professions

Michael  
Vargo

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Michael Vargo, PhD  
Dean  
Arts and Sciences

Emmanuel  
D. Jadhav

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Emmanuel Jadhav, DrPH, MHM, MSc  
Program Coordinator  
Public Health

Jodi Gee

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Jodi Gee, MA, CPT  
Department Head  
Exercise Science