

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 Course Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	BC Equiv.	BC Course Title	BC Cr. Hrs.
COMM 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	COMM 103 or COMM 104 or COMM 120	Interpersonal Communication or Public Speaking or Small Group Process	3
ENGL 150	English 1	3	EN 101	Rhetoric & Composition	4
ENGL 250	English 2	3	EN 102	Research Writing	4
ENGL 321 or ENGL 325	Advanced Composition or Advanced Business Writing	3	No Equivalent	No Equivalent	No Equivalent

#### Quantitative Literacy Course Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	BC Equiv.	BC Course Title	BC Cr. Hrs.
MATH 115	Intermediate Algebra	3	MA 105	Intermediate Algebra	4

#### Natural Sciences Competency Course Requirements - 1 course with lab

FSU Course	FSU Course Title	FSU Cr. Hrs.	BC Equiv.	BC Course Title	BC Cr. Hrs.
CHEM 121	General Chemistry 1	5	CH 105	General Chemistry 1	5
BIOL 121	General Biology 1	4	BI 110	Gen Bio 1: Evol & Org Diversity	4

#### Self and Society Competency Course Requirements – Minimum 9 credits from 2 different disciplines with 1 at 200 level or higher

FSU Course	FSU Course Title	FSU Cr. Hrs.	BC Equiv.	BC Course Title	BC Cr. Hrs.
Varies	FSU General Education – Self and Society Elective 200+	9	Varies	Varies	9

#### Culture Competency Course Requirements - Minimum 9 credits from 2 different disciplines with 1 at 200 level or higher

FSU Course	FSU Course Title	FSU Cr. Hrs.	BC Equiv.	BC Course Title	BC Cr. Hrs.
Varies	FSU General Education - Culture Electives	6	Varies	Varies	6
PHIL 320	Biomedical Ethics	3	No Equivalent	No Equivalent	No Equivalent

#### [Ferris State University General Education Courses](#)

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

**Major Requirements - 42 Credits Required**

FSU Course	FSU Course Title	FSU Cr. Hrs.	BC Equiv.	BC Course Title	BC Cr. Hrs.
MRIS 101	Medical Terminology	3	OIS 170	Intro to Health Info Systems	3
PUBH 200	Introduction to Public Health	3	No Equivalent	No Equivalent	No Equivalent
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 400	Health Care Services Administration & Management	3	No Equivalent	No Equivalent	No Equivalent
PUBH 410	Infectious/Communicable Diseases Epidemiology	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 - 20 Credits Required**

FSU Course	FSU Course Title	FSU Cr. Hrs.	BC Equiv.	BC Course Title	BC Cr. Hrs.
CHEM 122	General Chemistry 2	5	No Equivalent	No Equivalent	No Equivalent
BIOL 108	Medical Microbiology	3	BI 225	Medical Microbiology	2
BIOL 122	General Biology 2	4	BI 110	General Biology 2	4
BIOL 205	Anatomy & Physiology	5	BI 213	Human Anatomy/Physiology	5
BIOL 375	Principles of Genetics	3	BI 255	Principles of Genetics	3

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

FSU Course	FSU Course Title	FSU Cr. Hrs.	BC Equiv.	BC Course Title	BC 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	Statistics in Health Care	3	No Equivalent	No Equivalent	No Equivalent
COHP 450	Evidence-Based Health Practice	3	No Equivalent	No Equivalent	No Equivalent

**Electives – 15 Credits Required** (Advisory approval required)**Option One: Minor – 15 credits or more**

- Lean Healthcare Minor
- Medical Informatics Minor
- Public Advocacy Minor
- Communication Minor
- Biology/Cell & Molecular Biology Minor
- Sociology Minor
- Spanish Minor
- Marketing or Marketing/Sales Minor
- International Studies Minor
- Public Relations Minor
- Other minors may be approved by advisor

**Option Two: Certificate**, 12 credits and an additional 3 credits in approved selected electives (see option three for list)

- Lean Healthcare Certificate
- Gerontology Certificate
- Public Advocacy Certificate
- Marketing or Marketing/Sales Certificate
- Project Management Certificate
- Data Mining Certificate
- Leadership & Supervision Certificate
- Other certificates may be approved by advisor

**Option Three: Selected Electives- 15 credits**

- ACCT 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 386 Microbiology & Immunology
- BIOL 442 Ecology
- BIOL 460 Special Topics in Biology
- BIOL 475 Bioinformatics
- CHEM 321 Organic Chemistry 1
- CHEM 322 Organic Chemistry 2
- CHEM 364 Biochemistry
- ECON 221 Principles of Macroeconomics
- 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 Gov 2 – Policy Making
- PLSC 225 Gov't 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 355 Chronic Disease Epidemiology
- PUBH 405 Contemporary Practice of Public Health Leadership
- 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

\*These MATH courses may be pre-requisites for Physics (PHYS) courses.

**If Student is pursuing Pre-Pharmacy, Pre-Optometry, Pre-Medicine or Pre-Dentistry, see below for a list of recommended selected electives.**

**Pre-Pharmacy:**

CHEM 321 & 322  
 CHEM 324 or 364  
 PHYS 211 or 241

\*It is also recommended to take BIOL 286 instead of BIOL 108; BIOL 321 & 322 instead of BIOL 205; MATH 220 & 251 instead of MATH 115, to take PSYC 150 or SOCY 121 for Self and Society Foundations, and to take ECON 221 for Self and Society 200+.

**Pre-Optometry:**

CHEM 321 & 322  
 CHEM 324 & 364  
 BIOL 370, 373, 460 and other BIOL electives 300+ level  
 BIOL 346 or 347 or 442  
 PHYS 211 & 212  
 MGMT 310 or ACCT 201

\*It is also recommended to take BIOL 286 instead of BIOL 108; and MATH 220 & 251 instead of MATH 115.

**Pre-Medicine:**

CHEM 321, 322 & 364  
 BIOL 370  
 BIOL 460 & BIOL electives 300+ level  
 BIOL 346, 347 & 442  
 PHYS 211 & 212 or 241 & 242  
 MGMT 310

\* It is also recommended to take BIOL 321 & 322 instead of BIOL 205; BIOL 386 instead of BIOL 108, and to take MATH 130 & 330 instead of MATH 115.

**Pre-Dentistry:**

CHEM 321 &amp; 322

CHEM 324 or 364

BIOL 460 &amp; BIOL electives 300+ level

BIOL 346 or 347 or 442

PHYS 211 &amp; 212 or 241 &amp; 242

RMLS 122

MGMT 310

\*It is also recommended to take BIOL 321 &amp; 322 instead of BIOL 205 and to take BIOL 286 or 386 instead of BIOL 108.

<b>Total Bay Community College Credits</b>	<b>56-71</b>
<b>Total Ferris State University Credits</b>	<b>63-78</b>
<b>Total Credits Required for Degree</b>	<b>122</b>

**Program Contact Information:****Main Campus, Big Rapids****College of Health Professions**

(231) 591-2270 | AlliedHealth@ferris.edu

[www.ferris.edu/transfer](http://www.ferris.edu/transfer)**Delivery Locations**

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.

**General Admission Criteria****Transfer Students**

- Be accepted to the University.
- Have previously earned or be in the final academic year of an associate degree in an accredited dental hygiene program from an accredited college or university.
- Have a cumulative GPA of 2.5.

**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.

**Transfer Student Orientation**

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

**Online Learning**

Select courses delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at an off-campus location). The "Online Readiness Tutorial" is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in Blackboard skills. This may be done by taking a tutorial and quiz, or, for students who have already taken and passed online courses, they can submit a waiver request. Students should check with the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

**Reverse Transfer Agreement**

The 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 the 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.

**Disclaimer**

This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change. Students should contact their community college or Ferris to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Please refer to effective and/or revised date on the bottom of this guide.