

## Michigan Technological University

### Minor in Public Health

Program Code PHM, Academic Year 2021-22

Department of Kinesiology and Integrative Physiology

Total Credits Required: 18

#### Required Public Health Basics: 6 credits

Course	Credits
KIP 2600 Introduction to Public Health (3) <i>Prereqs: None</i>	
KIP 4740 Epidemiology (3) <i>Prereqs: None</i>	

#### Required Public Health Topic: 6 to 7 credits, students may take any combination of courses listed

##### Epidemiology/Biostatistics

Course	Credits
MA 3715 Biostatistics (3) <i>Prereqs: MA1135 or MA1160 or MA1161</i>	
MA 3740 Statistical Programming and Analysis (3) <i>Prereqs: MA2710 or MA2720 or MA3715</i>	
MA 4710 Regression Analysis (3) <i>Prereqs: MA2710 or MA2720 or MA3715</i>	

##### Public Health Biology

Course	Credits
BL 3230 Medical Bacteriology (4) <i>Prereqs: BL3210</i>	
BL 4752 Cancer Biology (3) <i>Prereqs: BL3012 or BL4370 or BE2400</i>	
KIP 3700 Lifetime Fitness (3) <i>Prereqs: None</i>	

##### Health Promotion and Communication

Course	Credits
BL 3970 Current Health Issues (3) <i>Prereqs: UN1015 and (UN1025 or Modern Language 3000-level or higher)</i>	
HU 4625 Risk Communication (3) <i>Prereqs: UN1015 and (UN1025 or Modern Language 3000-level or higher)</i>	
MKT 3000 Principles of Marketing (3) <i>Prereqs: None</i>	

##### Environmental Health

Course	Credits
CEE 3503 Environmental Engineering (3) <i>Prereqs: (MA2160 and CH1112) or (CH1150 and CH1151)</i>	
FW 4010 Public Health and the Environment (3) <i>Prereqs: None</i>	

##### Health Disparities

Course	Credits
SS 3750 Social Inequality (3) <i>Prereqs: UN1015 or (UN1025 or Modern Language 3000-level or higher)</i>	

##### Health Policies and Administration

Course	Credits
SAT 4424 Population Health Management and Monitoring (3) <i>Prereqs: SAT4422 or BL2010 or BL3080 or KIP1500</i>	

## Minor in Public Health

**Elective Courses: 6 credits, students may take any combination of courses listed**

### Epidemiology/Biostatistics

Course	Credits
BE 2110 Statistical Methods for Biomedical Engineering (3) <i>Prereqs: MA1135 or MA1160 or MA1161</i>	
MA 2720 Statistical Methods <i>Prereqs: MA1020 or MA1030 or ALEKS Math Placement (<math>\geq 61</math>) or CEEB Calculus BC (<math>\geq 2</math>) or CEEB Calculus AB Subscore (<math>\geq 2</math>) or ACT Mathematics (<math>\geq 22</math>) or SAT Math Section Score-M16 (<math>\geq 540</math>)</i>	
PSY 2720 Statistics for the Behavioral Sciences (4) <i>Prereqs: MA1031 or MA1032 or MA1160 or MA1161 or MA1135</i>	

### Public Health Biology

Course	Credits
BL 2940 Human Nutrition (3) <i>Prereqs: None</i>	
BL 3220 Medical Mycology and Virology (3) <i>Prereqs: BL3210</i>	
BL 3780 Medical Parasitology Laboratory (1) <i>Prereqs: BL 1710 and BL2410</i>	
BL 4038 Epigenetics (3) <i>Prereqs: BL3300 or BL4030</i>	
BL 4070 Environmental Toxicology (3) <i>Prereqs: (BL1200 and BL1210) or (BL1400 and BL1410) and (CH1150 and CH1151)</i>	

### Health Promotion and Communication

Course	Credits
KIP 3000 Sports Psychology (3) <i>Prereqs: PSY2000</i>	
PSY 2200 Behavior Modification (3) <i>Prereqs: PSY2000</i>	
PSY 2400 Health Psychology (3) <i>Prereqs: PSY2000</i>	
PSY 2800 Critical Thinking for Social and Behavioral Sciences (3) <i>Prereqs: PSY2000</i>	
PSY 4750 Judgement and Decision Making (3) <i>Prereqs: PSY2000</i>	

### Environmental Health

Course	Credits
CEE 4502 Wastewater Treatment Principles and Design (3) <i>Prereqs: CEE3501 or CEE3503</i>	
CEE 4503 Drinking Water Treatment Principles and Design (3) <i>Prereqs: CEE3501 or CEE3503</i>	
CEE 4504 Air Quality Engineering and Science (3) <i>Prereqs: CEE3501 or CEE3503</i>	
CEE 4993 Engineering with Developing Communities (2) <i>Prereqs: ENG2120 or (MEEM2150 and CEE3620)</i>	
SS 3300 Environmental Problems (3) <i>Prereqs: UN1015 and (UN1025 or Modern Language 3000-level or higher)</i>	

### Health Disparities

Course	Credits
HU 3261 Topics in Communicating Across Cultures (3) <i>Prereqs: UN1015 and (UN1025 or Modern Language 3000 or higher)</i>	
PSY 3070 Cross-Cultural Psychology (3) <i>Prereqs: PSY2000 and UN1015 and (UN1025 or Modern Language 3000-level or higher)</i>	
SS 2050 Fundamentals of Geographic Information Systems and Technologies (3) <i>Prereqs: None</i>	
SS 3105 Native American and Indigenous Communities (3) <i>Prereqs: UN1015 and (UN1025 or Modern Language 3000 or higher)</i>	

### Health Policies and Administration

Course	Credits
HU 4711 Biomedical Research Ethics (3) <i>Prereqs: HU3711</i>	
SS 3315 Population and Environment (3) <i>Prereqs: (MA1030 and MA1031) or MA1032 and UN1015 and (UN1025 or Modern Language 3000-level or higher)</i>	
SS 3621 Introduction to Public Policy and Management (3) <i>Prereqs: UN1015 and (UN1025 or Modern Language 3000 or higher)</i>	