

Michigan Technological University

Minor in Public Health

Program Code PHM, Academic Year 2024-25

Department of Kinesiology and Integrative Physiology

Total Credits Required: 18

Required Public Health Basics: 6 credits

- KIP 2600 Introduction to Public Health (3) *Prereqs: None*
- KIP 4740 Epidemiology (3) *Prereqs: None*

Required Public Health Topics: 6 to 7 credits; *students may take any combination of courses listed*

Epidemiology/Biostatistics

- MA 3715 Biostatistics (3) *Prereqs: MA1135 or MA1160 or MA1161*
- MA 3740 Statistical Programming and Analysis (3) *Prereqs: MA2710 or MA2720 or MA3715*
- MA 4710 Regression Analysis (3) *Prereqs: MA2710 or MA2720 or MA3715*

Public Health Biology

- BL 3230 Medical Bacteriology (4) *Prereqs: BL3210*
- BL 4752 Cancer Biology (3) *Prereqs: BL3012 or BL4370 or BE2400*
- KIP 3700 Lifetime Fitness (3) *Prereqs: None*

Healthy Promotion and Communication

- BL 3970 Current Health Issues (3) *Prereqs: UN1015 and UN1025*
- HU 4625 Risk Communication (3) *Prereqs: UN1015 and UN1025*
- MKT 3000 Principles of Marketing (3) *Prereqs: None*

Environmental Health

- CEE 3503 Environmental Engineering (3) *Prereqs: (MA2160 and CH1112) or (CH1150 and CH1151)*
- FW 4010 Public Health and the Environment (3) *Prereqs: None*

Health Policies and Administration

- SAT 4424 Population Health Management and Monitoring (3) *Prereqs: SAT4422 or BL2010 or BL3080 or KIP1500*

Elective Courses: 6 credits; *students may take any combination from the elective list or additional courses above*

Epidemiology/Biostatistics

- BE 2110 Statistical Methods for Biomedical Engineering (3) *Prereqs: MA1135 or MA1160 or MA1161*
- MA 2720 Statistical Methods *Prereqs: MA1020 or MA1030*
- PSY 2720 Statistics for the Behavioral Sciences (4) *Prereqs: MA1031 or MA1032 or MA1160 or MA1161 or MA1135*

Public Health Biology

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

Minor in Public Health, continued

Elective course options

Healthy Promotion and Communication

- KIP 3000 Sports Psychology (3) *Prereqs: PSY2000*
- PSY 2200 Behavior Modification (3) *Prereqs: PSY2000*
- PSY 2400 Health Psychology (3) *Prereqs: PSY2000*
- PSY 2800 Critical Thinking for Social and Behavioral Sciences (3) *Prereqs: PSY2000*
- PSY 4750 Judgement and Decision Making (3) *Prereqs: PSY2000*

Environmental Health

- CEE 4502 Wastewater Treatment Principles and Design (3) *Prereqs: CEE3501 or CEE3503*
- CEE 4503 Drinking Water Treatment Principles and Design (3) *Prereqs: CEE3501 or CEE3503*
- CEE 4504 Air Quality Engineering and Science (3) *Prereqs: CEE3501 or CEE3503*
- CEE 4993 Engineering with Developing Communities (2) *Prereqs: ENG2120 or (MEEM2150 and CEE3620)*
- SS 3300 Environmental Problems (3) *Prereqs: UN1015 and UN1025*

Health Disparities

- HU 3261 Topics in Communicating Across Cultures (3) *Prereqs: UN1015 and UN1025*
- SS 2050 Fundamentals of Geographic Information Systems and Technologies (3) *Prereqs: None*
- SS 3105 Native American and Indigenous Communities (3) *Prereqs: UN1015 and UN1025*

Health Policies and Administration

- HU 4711 Biomedical Research Ethics (3) *Prereqs: HU3711*
- SS 3621 Introduction to Public Policy and Management (3) *Prereqs: UN1015 and UN1025*