Michigan Technological University

Minor in Population Health

Program Code KPHM, Academic Year 2026-2027

Department of Kinesiology and Integrated Physiology

Minimum Credits Required: 18

List 1 Public Health Approach [SHAPE Course] (3 credits)

- KIP 2600 Introduction to Public Health (3) *Prereqs: none*

List 2 Health Communication [Communication Intensive] (3 credits)

- AF 3001 Leading People and Effective Communication (3) *Prereqs: UN1015*
- HU 2830 Public Speaking and Multimedia (3) *Prereqs: none*
- HU 2840 Interpersonal Communication and Technology (3) *Prereqs: none*
- HU 3105 Writing about Numbers (3) *Prereqs: UN1015*
- HU 3120 Technical and Professional Communication (3) *Prereqs: UN1015*
- HU 3693 Science Writing (3) *Prereqs: UN1015*
- HU 3694 Grant Writing (3) *Prereqs: UN1015*
- HU 3825 Environmental Communication (3) *Prereqs: UN1015*
- HU 3832 Virtual Encounters (3) *Prereqs: UN1015*
- HU 4625 Risk Communication (3) *Prereqs: UN1015*
- SS 3520 U.S. Environmental History (3) *Prereqs: UN1015*
- SS 4040 Civic Communications (3) *Prereqs: SS2001 and UN1015*

List 3 Foundations of Health Equity [Intercultural Competency] (3 credits)

- BL 3970 Current Health Issues (3) *Prereqs: UN1015*
- EC 4710 Labor/Human Resource Economics (3) *Prereqs: EC2001*
- HU 3261 Topics Communicating Across Culture (3) *Prereqs: UN1015*
- HU 3400 Topics in Diversity Studies (3) *Prereqs: UN1015*
- HU 3800 Media and Society (3) *Prereqs: UN1015*
- HU 3830 Creativity, Culture, & Change (3) *Prereqs: UN1015*
- HU 3850 Culture Studies (3) *Prereqs: UN1015*
- HU 3855 Power, Activism, and Technology (3) *Prereqs: UN1015*
- MGT 3000 Organizational Behavior (3) *Prereqs: none*
- MGT 4100 International Management (3) *Prereqs: none*
- PSY 3340 Psychology of Race (3) *Prereqs: UN1015 and PSY2000*
- PSY 3720 Social Psychology (3) *Prereqs: UN1015 and PSY2000*
- PSY 4340 Culture and Cognition (3) *Prereqs: UN1015 and PSY2000*
- SS 3105 Native American and Indigenous Communities (3) *Prereqs: UN1015*
- SS 3612 International Relations (3) *Prereqs: UN1015*
- SS 3640 Selected Topics in Cyber-Law (3) *Prereqs: UN1015*
- SS 3660 Constitutional Law (3) *Prereqs: UN1015*
- SS 3661 Civil Rights & Civil Liberties (3) *Prereqs: UN1015*
- SS 3665 Crime, Incarceration, and Policy (3) *Prereqs: UN1015*
- SS 3750 Social Inequality (3) *Prereqs: UN1015*
- SS 3805 Environmental Justice (3) *Prereqs: UN1015*
- SS 3961 Preparing for Cross-Cultural Immersion Experiences (3) *Prereqs: UN1015*
- SS 4450 Sustainable Tourism and Planning (3) *Prereqs: UN1015 and (SS 2450 or SS 2100 or SS 2400 or SS 2700)*
- SS 4710 Geographies of Migrant and National Communities (3) *Prereqs: UN1015*

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List 4 Drivers of Population Health [SHAPE Courses] (3 credits)

- BL 3090 Spirituality in Healthcare (3) *Prereqs: none*
- BUS 1100 Introduction to Business (3) *Prereqs: none*
- EC 3300 Industrial Organization (3) *Prereqs: EC2001*
- EC 4500 Public Sector Economics (3) *Prereqs: EC2001*
- EC 4620 Energy Economics (3) *Prereqs: EC2001*
- EC 4650 Environmental Economics (3) *Prereqs: EC2001 or EC3002*
- ENG 2060 Facilitating Group Learning (1) *Prereqs: UN1015*
- ENG 4060 Leadership in Group Environments (1) *Prereqs: none*
- HF 3850 Human Factors (3) *Prereqs: PSY2000 or HF2000*
- HU 2701 Logic and Critical Thinking (3) *Prereqs: none*
- HU 2702 Ethical Theory and Moral Problems (3) *Prereqs: none*
- MGT 2000 Team Dynamics (3) *Prereqs: none*
- MGT 3100 Leadership Development (3) *Prereqs: none*
- MGT 3800 Entrepreneurship (3) *Prereqs: none*
- MKT 3000 Principles of Marketing (3) *Prereqs: none*
- MKT 3200 Consumer Behavior (3) *Prereqs: MKT3000*
- PSY 2110 Educational Psychology (3) *Prereqs: none*
- PSY 2400 Health Psychology (3) *Prereqs: PSY2000*
- PSY 2600 Psychology of Death and Dying (3) *Prereqs: PSY2000*
- PSY 2800 Critical Thinking (3) *Prereqs: PSY2000*
- PSY 2900 An Introduction to Restorative Practices (3) *Prereqs: none*
- PSY 3200 Motivation and Emotion (3) *Prereqs: PSY2000*
- PSY 3700 Industrial/Organizational Psychology (3) *Prereqs: PSY2000 or HF2000*
- PSY 3800 Environmental Psychology (3) *Prereqs: PSY2000 or HF2000*
- PSY 3880 Psychology of Social Media (3) *Prereqs: PSY2000 and UN1015*
- PSY 4750 Judgment and Decision Making (3) *Prereqs: PSY2000 or HF2000*
- SS 2001 Intro to Social Science Research (3) *Prereqs: none*
- SS 2210 Community Development and Planning (3) *Prereqs: none*
- SS 2400 Introduction to Human Geography (3) *Prereqs: none*
- SS 2620 Introduction to Public Policy (3) *Prereqs: none*
- SS 2750 Racial Inequality (3) *Prereqs: none*
- SS 3315 Population, Health and Environment (3) *Prereqs: UN1015*
- SS 3621 Public Policy and Management (3) *Prereqs: UN1015*
- SS 3625 Policy Analysis (3) *Prereqs: SS 2620(C) and SS 2001(C) and (PSY 2720(C) or MA 2720(C) or SS 2720(C))*
- SS 3630 Environmental Policy & Politics (3) *Prereqs: UN1015*
- SS 3755 Sustainability and the Private Sector (3) *Prereqs: UN1015*
- SS 3815 Energy and Society (3) *Prereqs: UN1015*
- SS 4009 Survey Methods (3) *Prereqs: none*
- SS 4120 Sustainable Development (3) *Prereqs: UN1015*
- SS 4200 Environmental Anthropology (3) *Prereqs: SS 2100 and UN 1015*

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List 5 Health Issues Across Sectors [Unrestricted Courses] (3 credits)

- KIP 4740 Epidemiology (3)
- ART 2195 Art & Flora Visual Taxonomies of Terrestrial & Aquatic Ecosystems (3) *Prereqs: none*
- BE 2110 Statistical Methods for Biomedical Engineering (3) *Prereqs: MA1135 or MA1160 or MA1161 or MA1121*
- BL 2940 Human Nutrition (3) *Prereqs: none*
- BL 3230 Medical Bacteriology (5) *Prereqs: BL3210*
- BL 3310 Environmental Microbiology (3) *Prereqs: BL1200 or BL1400 or BL1020 or BL1040 or BL3080*
- BL 3800 Medical Mycology, Virology & Parasitology (2) *Prereqs: BL2410 and BL3210 and BL2020(C)*
- BL 4070 Environmental Toxicology (3) *Prereqs: BL1020 or (BL1200 and BL1210) or BL1040 or (BL1400 and BL1410) and CH1150 and CH1160*
- CEE 3503 Environmental Engineering (3) *Prereqs: MA2160 and CH1112 or (CH1150 and CH1151)*
- CEE 4993 Engineering with Developing Countries (3) *Prereqs: BE3350 or CM3110 or ENG3200 or MEEM3201 or CEE3200*
- CS 3000 Ethical and Social Aspects of Computing (3) *Prereqs: CS3141*
- CS 3425 Introduction to Database Systems (3) *Prereqs: CS2311 or MA3210 or CS2321*
- CS 4001 National Cybersecurity Policy & Law (3) *Prereqs: none*
- CS 4760 User Interface Design and Implementation (3) *Prereqs: CS3141*
- EC 3400 Economic Decision Analysis (3) *Prereqs: none*
- EC 4200 Econometrics (3) *Prereqs: (EC2001 or EC3002 or EC3003) and (BUS2100 or MA2710 or MA2720 or MA3710) and (MA1135 or MA1160 or MA1161 or MA1121)*
- EC 4640 Natural Resource Economics (3) *Prereqs: EC 2001 or EC 3002 or FW 4080*
- FW 3110 Natural Resource Policy (3) *Prereqs: none*
- FW 3112 Human Dimensions of Conservation (3) *Prereqs: FW1050*
- FW 3510 Outdoor Recreation & Tourism (3) *Prereqs: none*
- GE 2010 Introduction to Geographic Information Systems (3) *Prereqs: MA1160 or MA1161 or MA1121*
- GE 2100 Environmental Geology (3) *Prereqs: none*
- GE 4150 Natural Hazards (3) *Prereqs: GE2000 or GE2100*
- GE 4220 Mining Systems and the Environment (3) *Prereqs: CH1150*
- HF 4420 Human Factors in Healthcare (3) *Prereqs: none*
- KIP 3410 Facilities & Events Management (3) *Prereqs: none*
- KIP 3700 Lifetime Fitness (3) *Prereqs: none*
- MA 2710 Introduction to Statistical Analysis (3) *Prereqs: MA1160 or MA1161 or MA1135 or MA1121*
- MA 3715 Biostatistics (3) *Prereqs: MA1135 or MA1160 or MA1161 or MA1121 or MA2160(C) or MA3160(C)*
- NUR 4060 Community Nursing (6) *Prereqs: NUR4080 and NUR 4040*
- PSY 2200 Behavior Modification (3) *Prereqs: PSY2000*
- PSY 2720 Statistics for the Behavioral Sciences (4) *Prereqs: MA1020 or MA1030 or MA1031 or MA1032 or MA1120 or MA1160(C) or MA1161(C) or MA1135(C) or MA1121(C)*
- SAT 4424 Population Health Management & Monitoring (3) *Prereqs: SAT4422 or BL2010 or BL3080 or EH1500 or KIP1500 or SAT5121*
- SS 2050 Fundamentals of Geographic Information Systems & Technologies (3) *Prereqs: none*
- SS 2300 Environment & Society (3) *Prereqs: none*
- SS 2720 Statistics for Social Sciences (3) *Prereqs: MA1020(C) or MA1030(C) or MA1120(C) or MA1031(C) or MA1032(C)*

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List 6 Innovating Health Solutions: List 5A or 5B (3 to 4 credits)

List 6A Essential Ed Experience (E3) (3 credits)
- HON 4070 Leadership Practicum (3) *Prereqs: MGT3100 or AF3001 or department permission*
- SS 3960 Cultural Immersion (3) *Prereqs: UN1015*
- SS 4050 Advanced GIS Methods (3) *Prereqs: (SS2050 or FW3540 or GE3250 or GE4540 or SU3540 or SU4010 or SU4012) and UN1015*
- SS 4700 Communities and Research (3) *Prereqs: UN1015*

List 6B Upper-Level SHAPE course (4 credits)
- UN 3023 Advanced Portfolio for Essential Ed (1) *Prereqs: none*

AND select one course, not already taken (3 credits)
- BL 3090 Spirituality in Healthcare (3) *Prereqs: none*
- EC 3300 Industrial Organization (3) *Prereqs: EC2001*
- EC 4500 Public Sector Economics (3) *Prereqs: EC2001*
- EC 4620 Energy Economics (3) *Prereqs: EC2001*
- EC 4650 Environmental Economics (3) *Prereqs: EC2001 or EC3002*
- ENG 4060 Leadership in Group Environments (1) *Prereqs: none*
- HF 3850 Human Factors (3) *Prereqs: PSY2000 or HF2000*
- MGT 3100 Leadership Development (3) *Prereqs: none*
- MGT 3800 Entrepreneurship (3) *Prereqs: none*
- MKT 3000 Principles of Marketing (3) *Prereqs: none*
- MKT 3200 Consumer Behavior (3) *Prereqs: MKT3000*
- PSY 3200 Motivation and Emotion (3) *Prereqs: PSY2000*
- PSY 3700 Industrial/Organizational Psychology (3) *Prereqs: PSY2000 or HF2000*
- PSY 3800 Environmental Psychology (3) *Prereqs: PSY2000 or HF2000*
- PSY 3880 Psychology of Social Media (3) *Prereqs: PSY2000 and UN1015*
- PSY 4750 Judgment and Decision Making (3) *Prereqs: PSY2000 or HF2000*
- SS 3110 Food Systems and Sustainability (3) *Prereqs: UN1015*
- SS 3315 Population, Health and Environment (3) *Prereqs: UN1015*
- SS 3621 Public Policy and Management (3) *Prereqs: UN1015*
- SS 3625 Policy Analysis (3) *Prereqs: SS 2620(C) and SS 2001(C) and (PSY 2720(C) or MA 2720(C) or SS 2720(C))*
- SS 3630 Environmental Policy & Politics (3) *Prereqs: UN1015*
- SS 3755 Sustainability and the Private Sector (3) *Prereqs: UN1015*
- SS 3815 Energy and Society (3) *Prereqs: UN1015*
- SS 4009 Survey Methods (3) *Prereqs: none*
- SS 4120 Sustainable Development (3) *Prereqs: UN1015*
- SS 4200 Environmental Anthropology (3) *Prereqs: SS 2100 and UN 1015*
- SS 4400 Environmental Sociology (3) *Prereqs: SS2700 or SS2400*