



Bachelor of Science in Public Health

2023-2024 Curriculum Guide (including General Education, Admissions requirements and Major requirements)

Environmental Public Health Specialization incorporating
Pre-Medicine prerequisites

| Course | Credit Hours | Course | Credit Hours |
|--|--------------|--|--------------|
| General Education (GE) Requirements Students should refer to GE guide for specific GE requirements | | EARTHSCI 2203 Environmental Geoscience | 3 |
| General Education Foundation Courses (24 credit hours) | | EARTHSCI 3411 Water Security 21 st Century (SP) | 3 |
| Writing and Information Literacy (English 1110.XX) | 3 | PUBHEHS 3320 Fund of Env Hlth Risk Assmt (SP) | 3 |
| Mathematical and Quantitative Reasoning (Math 1151 or higher) | 5 | PUBHEHS 4530 Food Safety & Public Health (SP) | 3 |
| Literary, Visual and Performing Arts | 3 | PUBHEHS 5315 Principles of Toxicology (SP) | 3 |
| Historical and Cultural Studies | 3 | PUBHEHS 5335 Ecology of Infectious Diseases (SP) | 3 |
| Natural Science (Biology 1113 recommended) | 4 | PUBHEHS 5340 Air Contaminants & PH (SP) | 3 |
| Social and Behavioral Sciences | 3 | PUBHEPI 3411 PH Field Investigation (frmly 5411) | 3 |
| Race, Ethnic and Gender Diversity | 3 | Select one course from the following (credit hours included above) | |
| GE Themes (9-12 credit hours) | | EARTHSCI 5203 Geo-Environment & Human Health | 3 |
| Theme 1: (Required) Citizenship for a Diverse and Just World (select two courses) | 6 | EARTHSCI 5663 Global Change & Sustainability in ES | 4 |
| Theme 2: Theme of your choice (select one course) | 3* | PUBHEHS 4330 Environmental Epigenetics | 3 |
| *Students can overlap one approved Public Health Foundation Course to fulfill requirements for the Health and Well-Being Theme (PUBHLTH 2010, PUBHEPI 2410, PUBHHBP 3510, PUBHHMP 3610) or the Lived Environment (PUBHEHS 3310) Theme. | | Selectives (9-12 credit hours) Select from courses listed below or other EPH applicable course(s) with EHS faculty approval: | |
| GE Bookends (2 credit hours) | | EARTHSC 2204 Exploring Water Issues (3) | |
| GENED 1201 (Launch Seminar) | 1 | EARTHSC 4450 Water, Ice, & Energy in the Earth System (3) | |
| GENED 4001 (Reflection Seminar) | 1 | EARTHSC 5203 Geo-Environment & Human Health (3) | |
| First Year Survey Course (1 credit hour) | | EARTHSC 5651 Hydrogeology (4) | |
| PUBHLTH 1100 Survey of Public Health | 1 | EARTHSC 5663 Global Change & Sustainability in Earth Sys (4) | |
| BSPH Major Admission Requirements Math 1151, Minimum 2.50 cumulative GPA, C or higher in the prerequisite course, Completion of 15 credit hours | | PUBHLTH 3998 Undergraduate Public Health Research (2) | |
| Major Requirements C- or higher required in all major courses | | PUBHLTH 5015 Public Health Data Analytics (3) | |
| Required Public Health Foundation Courses (18 credit hours) **One of these foundation courses can overlap with GE Theme** | | PUBHEHS 3330 Global Pandemics and Public Health (3) | |
| PUBHBIO 2210 or 2210(H) Biostatistics for PH Research | 3 | PUBHEHS 4325 Climate Change and Human Health (3) | |
| **PUBHEHS 3310 Current Issues in Global Env Health | 3 | PUBHEHS 4330 Environmental Epigenetics (3) | |
| **PUBHLTH 2010 Critical Issues in Global Public Health | 3 | PUBHEHS 4340 Molecular Techniques for EHS (3) | |
| **PUBHHBP 3510 Role of Behavior in Public Health | 3 | PUBHEHS 5325 Principles of Occupational Health Science (3) | |
| **PUBHEPI 2410 Epidemiology in Public Health | 3 | PUBHEHS 5395 Engineering Design Environmental Health (3) | |
| **PUBHHMP 3610 U.S. & International Health Care | 3 | PUBHEPI 5412 Infectious Disease Epidemiology (3) | |
| Required Interdisciplinary Specialization Courses (25 credit hours) | | ENR 2100 Intro to Environmental Science (3) | |
| CHEM 1210 General Chemistry I | 5 | ENR 3000 Soil Science (3) | |
| CHEM 1220 General Chemistry II | 5 | GEOG 2800 Our Global Environment (3) | |
| CHEM 2510 Organic Chemistry I | 4 | GEOG 5210 Fundamentals of GIS (3) | |
| CHEM 2540 Organic Chemistry Lab I | 2 | VETPREV 5721 How Animals Can Make You Sick (3) | |
| MICROBIO 4000.01 or .02 Basic & Practical Microbiology | 4 | Capstone (3-4 credit hours) | |
| PHYSICS 1200 Mechanics, Kinematics, Fluids, Waves | 5 | Public Health 3180 or 3180E (Capstone Preparation course, required of all students) | |
| Interdisciplinary Environmental Public Health Specialization Courses (27-28 credit hours) | | Then Select one Capstone Course: | |
| | | PUBHLTH 3191/3191E Internship/Honors Internship | 2-3 |
| | | EARTHSCI 5797.02 or pre-approved Education Abroad | 2-3 |
| | | PUBHLTH 3999 Undergraduate Capstone Research | 2 |
| | | PUBHLTH 4999/4999.01H Research Thesis | 2 |
| | | Pre-Medicine prerequisites that do not overlap with the GE or major (19 credit hours) | |
| | | Biology 1114 (4), Chemistry 2520 (4), Chemistry 2550 (2), Biochemistry 4511 (4), Physics 1201 (5) | |
| Total Minimum Credit Hours | | | 140 |

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incorporating Pre-Medicine prerequisites**

Suggested 4 year plan

| Autumn 1 | Credit Hours | Spring 1 | Credit Hours |
|--|---------------------|---|---------------------|
| GENED 1201 (Launch Seminar) | 1 | CHEM 1220 | 5 |
| ENGLISH 1110.0X | 3 | PUBHEHS 3310 | 3 |
| Math 1151 | 5 | Historical and Cultural Studies GE | 3 |
| CHEM 1210 | 5 | BIO 1113 | 4 |
| PUBHLTH 1100 | 1 | Literary, Visual & Performing Arts GE | 3 |
| PUBHLTH 2010 | 3 | | |
| Total Hours | 18 | Total Hours | 18 |
| Autumn 2 | | Spring 2 | |
| PUBHHBP 3510 | 3 | BIO 1114 | 4 |
| PUBHHMP 3610 | 3 | PHYSICS 1201 | 5 |
| CHEM 2510 | 4 | SELECTIVE | 3 |
| CHEM 2540 | 2 | PUBHBIO 2210 or 2210H | 3 |
| PHYSICS 1200 | 5 | PUBHEPI 2410 | 3 |
| Total Hours | 17 | Total Hours | 18 |
| Autumn 3 | | Spring 3 | |
| MICROBIOLOGY 4000.01 or .02 | 4 | Chemistry 2520 | 4 |
| BIOCHEM 4511 | 4 | Chemistry 2550 | 2 |
| Race, Ethnic and Gender Diversity GE | 3 | GE THEME COURSE: Citizenship for a Diverse and Just World | 3 |
| EARTHSCI 2203 | 3 | PUBHEHS 3320 | 3 |
| PUBHEPI 3411 | 3 | PUBHEHS 4530 | 3 |
| | | Social and Behavioral Sciences GE | 3 |
| Total Hours | 17 | Total Hours | 18 |
| Autumn 4 | | Spring 4 | |
| PUBHLTH 3180 (Capstone Prep) | 1 | Capstone Course | 2-3 |
| SELECTIVE | 3 | GENED 4001 (Reflection Seminar) | 1 |
| Select one of three Interdisciplinary EPH specialization courses | 3 | PUBHEHS 5340 | 3 |
| | | EARTHSCI 3411 | 3 |
| SELECTIVE | 3 | PUBHEHS 5335 | 3 |
| SELECTIVE | 3 | PUBHEHS 5315 | 3 |
| GE THEME COURSE | 3 | | |
| Total Hours | 16 | Total Hours | 15-16 |
| | | Total Credit Hours | 140 |

Office of Academic Programs and Student Services

College of Public Health

100 Cunz Hall, 1841 Neil Ave. Columbus, OH 43210

<https://cph.osu.edu>

Appointment line: 614-292-8350