

B.S. Public Health Sciences Major Requirements (68 credits)

For Students Who Entered the Major Fall 2019 and Later

Name: _____

Spire ID: _____

I. Math

★★ Math 121, 127, 131 or higher (R2)

1. _____

OR

★★ One of the following statistics courses (R2):

Psych 240, Res-Econ 212, Stats 111, or Stats 240

Speak with your Advisor if you have any questions about which class makes the most sense for you.

II. Foundation - At least 6 courses (min 18 credits) required from section one (Natural Sciences) and two (Social Sciences).

★★ A list of courses is provided on the tracking form on the Public Health website.

Section One: Natural Sciences

- Take at least three courses within this section.
- Courses must be taken from at least two departments.

1. _____

2. _____

3. _____

Total (min of 9 credits) = ____ _

Section Two: Social Sciences

- Take at least three courses within this section
- Courses must be taken from at least two departments.

1. _____

2. _____

3. _____

Total (min of 9 credits) = ____ _

III. Public Health Classes - Minimum of thirty-five credits.

Public Health Core Classes

- PUBHLTH 129 – Healthcare for All (SB, DU)
- PUBHLTH 200 – Intro. To Public Health
- PUBHLTH 203 – Intro. To Environmental Health Sciences
- PUBHLTH 223 – Intro to Biostatistics
- PUBHLTH 224 – Epidemiology in Public Health
Recommended pre-requisite: PUBHLTH 200
- PUBHLTH 301 – Principle of Community Health Education
- PUBHLTH 323 (Jr. Year Writing) – Health Communications
★★Pre-requisite: PUBHLTH 200 & ENGLWRIT 112
- PUBHLTH 494CI – Applied Public Health Practice (Capstone/ IE)
★★Pre-requisite: PUBHLTH 224 & PUBHLTH 323

Only PUBHLTH 129 can count toward your general education requirements. It is recommended to take PUBHLTH 200 before any 300 level or above course

Public Health Electives

- ★★ Take an additional nine credits of public health courses (PUBHLTH) numbered 300-599. Electives cover a variety of public health disciplines, such as global health and health inequities. Different electives are offered each semester.
- ★★ PUBHLTH 301, 323 or 224 **cannot** be used.
- ★★ PUBHLTH 284 & 290KH are allowed to count toward this requirement.
- ★★ Up to nine independent study or internship credits can be applied to the major **with no more than six** to fulfill this PH elective requirement.

Total Elective Courses (min of 9 credits) = _____

IV. Focus Area Courses- 12 credits required at the 300 level or higher.

- ★★ The focus area allows students to explore areas of particular interest and relevance to public health, drawing connections between disciplines. Think of the requirement as your focus area within public health. The classes that you choose will enhance your understanding of the field and better prepare you for a career as a public health professional.
- ★★ Courses can be taken in public health, another department, abroad or at one of the 5 Colleges. The course material must be relevant to the study of public health and pre-approved by the Program Advisor by completing a Focus Area Proposal Form.
- ★★ Details for this requirement and suggestions for courses can be found on our website.
- ★★ Organic Chemistry (Chem 261, 262 & 269) can be used to fulfill part of this requirement.
- ★★ One language course can be used to fulfill part of this requirement.

Title of your chosen area of specialty: _____

Total Focus Area Courses (min of 12 credits) = _____

List of Foundation Courses- Please view the courses in SPIRE to see if there are any pre-requisites.

<p>Natural Sciences Foundations</p> <ul style="list-style-type: none"> • BIOLOGY 105 (BS) - Biology of Social Issues • BIOLOGY 151 (BS) - Introductory Biology I • BIOLOGY 152 - Introductory Biology II • BIOLOGY 153 - Introductory Biology Laboratory • BIOLOGY 283 - General Genetics • BIOLOGY 285 - Cellular and Molecular Biology • BIOLOGY 287- Intro to Ecology • BIOCHEM 100 (BS) - My DNA • CHEM 110 (PS) – General Chemistry <i>*Do not take CHEM 110 if you plan to take organic chemistry</i> • CHEM 111(PS) - Gen Chem-Sci I • CHEM 112 (PS) - Gen Chem-Sci II • CHEM 250 - Organic Chemistry • CHEM 261- Organic Chemistry • CHEM 262- Organic Chemistry • CHEM 269- Organic Chemistry Lab • ENVIRSCI 101 (BS) - Intro. to Environmental Science • ENVIRSCI 214- Ecosystems, Biodiversity and Global Change • FOOD-SCI 101- Food and Health • FOOD-SCI 150 (BS) - The Science of Food • GEOGRAPH 110 (PS) - Global Environment Change • KIN 100 (BS) - Introduction to Kinesiology • KIN 110 (BS) - Human Performance & Nutrition • KIN 270 - Anatomy & Physiology I with lab • KIN 272 - Anatomy & Physiology II with lab • MICROBIO 140P (BS) - Plagues: The Ecology of Disease • MICROBIO 160 (BS) - Biology of Cancer and AIDS • MICROBIO 310 - General Microbiology • MICROBIO 265 – Introduction to Microbiology Laboratory • NRC 100 (SI) – Environment and Society • NRC 185 (SI) - Sustainable Living: Solutions for the 21st Century • NUTRITN 130 (BS) –Nutrition for a Healthy Lifestyle • NUTRITN 140 (BS) Nutrition, Weight & Fitness • PHYSICS 131 (PS) - Intro to Physics I with lab • PHYSICS 132 (PS) - Intro to Physics II with lab+ 	<p>Social Science Foundations</p> <ul style="list-style-type: none"> • AFROAM 161- Introduction to Afro- American Political Science • AFROAM 235 - Black Sociological/Philosophical Thought • AFROAM 236 (HS, DU) - History of the Civil Rights Movement • ANTHRO 104 (SB,DG) - Culture, Society and People • ANTHRO 205 (SB,DU) – Power and Inequality in the United States • ANTHRO 208 (DG, SB)- Human Ecology • ANTHRO 312 - Medical Anthropology • COMM 226 - Social Impact of Mass Media • COMM 288 - Gender, Sex & Representation • ECON 103 (SB) - Introduction to Microeconomics • ECON 104 (SB) - Introduction to Macroeconomics • ECON 105 (SB,DU) - Introduction to Political Economy • ECON 203 - Intermediate Microeconomics Theory • ECON 204 - Intermediate Macroeconomics Theory • ECON 308 - Political Economy of the Environment • EDUC 202 (SB, DU) - Social Issues in Intergroup Dialogue: Exploring Social/Cultural Differences and Common Ground • EDUC 210 (I, DU) - Social Diversity in Education • EDUC 229 (SB, DG) - International Education • GEOGRAPH 102 (SB, DG) - Intro Human Geography • HUMANDEV 270 (SB) - Child Development • LABOR 204 (SB) - Labor and the Global Economy • NURSING 210- Human Development Throughout the Life Cycle • PHIL 160 (AT) - Introduction to Ethics • PHIL 164 (AT) - Medical Ethics • PHIL 170 (SB)- Problems in Social Thought • POLISCI 101(SB) - American Politics • POLISCI 111 (SB,DG) - Comparative Politics • POLISCI 171 (SB) - Introduction to Political Theory • POLISCI 181 (SB,DU) - Controversies in Public Policy • POLISCI 203 (HS) - American Political Thought • POLISCI 252 (SB,DG)- Globalization, Governance, and World Order • POLISCI 280 (SB) - Public Policy • PSYCH 100 (SB) - Introductory Psychology 	<ul style="list-style-type: none"> • PSYCH 305/EDUC 305 - Educational Psychology • PSYCH 350 - Developmental Psychology • PSYCH 355 - Adolescent Psychology • PSYCH 360 - Social Psychology • PSYCH 365 - Psychology of Aging • PSYCH 380- Abnormal Psychology • RES-ECON 102 (SB) - Intro to Resource Economics • RES-ECON 121 (SB, DG) - Hunger in Global Economy • SOCIOLOG 103 (SB, DU) - Social Problems • SOCIOLOG 105 (SB) - Self, Society, and Interpersonal Relations • SOCIOLOG 106 (SB, DU) - Race, Gender, Class & Ethnicity • SOCIOLOG 107 (SB, DU) - Contemporary American Society • SOCIOLOG 110 (SB, DU) – Introduction to Sociology • SOCIOLOG 220 - Sociology of American Culture • SOCIOLOG 222 (SB, DU)- The Family • SOCIOLOG 224 (SB, DU) - Social Class and Inequality • SOCIOLOG 244 (SB, DU) – Sociology of Immigration • SOCIOLOG 261 (R2) - Population Studies • SPP 193E - Inequality in the US • STOCKSCH 171 (BS, DG) - Plagues, Food and People: Ecology of Food and Disease • WGSS 187 (I, DU) - Gender, Sexuality and Culture • WGSS 201 - Gender and Difference: Critical Analyses • WGSS 205 - Feminist Health Politics • WGSS 220 (SB, DG) - Gender, the Global Environment, and Sustainability • WGSS 230 - Politics of Reproduction • WGSS 290C (HS, DU) - History of Sexuality and Race in the US • WGSS 293L - Seminar- Introduction to LGBT Studies • WGSS 295P- Seminar- Policing, Protest, and Politics: Queers, Feminists, and #BlackLivesMatter • WGSS 301 - Theorizing Gender Race and Power
	<p>Graduation Requirements</p> <ul style="list-style-type: none"> ★★ You need a C- or higher for core and elective Public Health courses and D or above for other courses. ★★ All required courses (including general education requirements) must be taken as a letter grade. ★★ To graduate, you need to complete at least 120 credits; 45 credits must be completed at UMass Amherst. ★★ Need to maintain a grade point average of at least 2.0 in the major and overall. 	