



# Public Health, BS



**College:** Health & Human Services  
**Website:** <https://www.iup.edu/public-health/>  
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### Career Opportunities:

Public health is the science and art of creating healthy communities through education, research and promotion of healthy lifestyles. Public health professionals analyze and develop programs that protect the health of individuals, families and communities in the United States and abroad. A career in public health opens the door to diverse opportunities in a variety of sectors such as federal, state, and local organizations, private, and non-governmental organizations. It means that with a degree in public health, you'll be in high demand—and on a career path filled with advancement opportunities. A degree in public health will also provide you with opportunity for variety in your career.

National and regional studies indicate a strong demand for trained public health professionals. Professional jobs related to public health—epidemiologists, environmental scientists and protection technicians, health educators, and medical social workers—are projected to increase from 2014 to 2024 by at least 23 percent. Graduates with a degree in public health are prepared to enter the field immediately after graduation or go on to a master's degree program.

Projections for future employment: According to the Occupational Outlook Handbook on the Bureau of Labor Statistics ([www.bls.gov](http://www.bls.gov), 2018-2028): Health Educators & Community Health: 11% increase; Epidemiologist: 5% increase; Medical & Health Services Managers: 18% increase; Environmental Scientist & Specialists: 8% increase; Social & Human Services Assistants: 13% increase; Substance Abuse, Behavioral Disorder & Mental Health Counselors: 22% increase; Operations Research Analysts: 26% increase; Statisticians: 30% increase

### Program Features:

This interdisciplinary program incorporates academic preparation in the social, natural and health sciences, mathematics and humanities. The required public health core courses are designed to introduce students to the essential public health core competencies and follows the Accreditation Criteria for Standalone Baccalaureate Programs in Public Health adopted by the Council on Education for Public Health. Majors can choose to specialize in any of our four concentrations:

- Behavioral and Mental Health
- Global and Rural Communities
- Environmental and Occupational Health
- Epidemiology and Biostatistics

### Experiential Learning:

Real-world experiences in professional settings allow Public Health majors to put their classroom learning to work. IUP's strong network relationships with such institutions as the CDC/NIOSH, Pennsylvania Department of Health, the Center for Emergency Medicine of Western Pennsylvania, and the Pennsylvania Department of Education just to name a few, provide students with diverse options for field experiences.



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## Concentrations:

- (1) Behavioral and Mental Health
- (2) Environmental and Occupational Health
- (3) Epidemiology and Biostatistics
- (4) Global and Rural Communities

College: **Health & Human Services**  
 Degree: **Bachelor of Science**  
 Calendar Year: **2020-2021**  
 Website:

**Program Description:** The Bachelor of Science in Public Health program prepares students to become innovative public health leaders in an everchanging world. Students learn to improve health through a multidisciplinary curriculum grounded in the social, natural and health sciences. Upon completion of the program, students will understand the science of human health, epidemiology of infections and chronic diseases as well as complications of the US and global health care systems with regard to access and ethics of disparity in health care delivery. The program provides students with options to focus in four academic areas: Behavior and Mental Health, Environmental and Occupational Health, Epidemiology and Biostatistics, and Global and Rural Communities.

<b>Freshman Year:</b>		<b>Fall</b>	<b>Spring</b>		
ENGL 101	Composition I	3cr	MATH 121*/217	Calculus/Probability & Statistics	3-4*cr
Fine Arts	Intro to Art/Theatre/Music/Dance	3cr	ENGL 121	Humanities Literature	3cr
BIOL 104	Human Biology	4cr	BIOL 119	Emerging Diseases	3cr
PUBH 122	Foundations of Public Health	3cr	LS Social Sci	Class I	3cr
Health/Wellness	143, recommend FCSE, KHSS, NURS	3cr	PHIL 122/130	Contemp Moral/Biomedical Ethics	3cr
		<b>Total 16cr</b>			<b>Total 15-16cr</b>
<b>Sophomore Year:</b>		<b>Fall</b>	<b>Spring</b>		
ENGL 202	Composition II	3cr	ANTH 110/211	Contemp Anthropology	3cr
ECON 122	Principles of Microeconomics	3cr	LS Social Sci	Class II	3cr
HIST (LS)	HISTORY 196/ 197/ 198	3cr	LS Social Sci	Class III	3 cr
FDNT 145	Introduction to Nutrition	3cr	Con/Min/El	Concentration/Minor/Elective	3cr
Con/Min/El	Concentration/Minor/Elective	3cr	Con/Min/El	Concentration/Minor/Elective	3cr
		<b>Total 15cr</b>			<b>Total 15cr</b>
<b>Junior Year:</b>		<b>Fall</b>	<b>Spring</b>		
BIOL 301	Fundamentals of Epidemiology	3cr	PUBH 306	Research Design & Analysis in PH	3cr
ECON 360	Health Economics	3cr	NURS/ELR 314	Health Policy Law	3cr
GEOG/RPGL 316	Introduction to GIS	3cr	NURS 410	Health Promotion and Social Issues	3cr
Con/Min/El	Concentration/Minor/Elective	3cr	Con/Min/El	Concentration/Minor/Elective	3cr
Con/Min/El	Concentration/Minor/Elective	3cr	Con/Min/El	Concentration/Minor/Elective	3cr
		<b>Total 15cr</b>			<b>Total 15cr</b>
<b>Senior Year:</b>		<b>Fall</b>	<b>Spring</b>		
NURS 455	Health Care Informatics	3cr	Con/Min/El	Concentration/Minor/Elective	3cr
SOC 442	Medical Sociology	3cr	Con/Min/El	Concentration/Minor/Elective	3cr
Con/Min/El	Concentration/Minor/Elective	3cr	Con/Min/El	Concentration/Minor/Elective	3cr
Con/Min/El	Concentration/Minor/Elective	3cr	PUBH 493	Internship in Public Health	3-6 cr
Con/Min/El	Concentration/Minor/Elective	3cr			
		<b>Total 15cr</b>			<b>Total 12-15cr</b>
<b>Total Credits for Degree:</b>					<b>120cr</b>

## Additional Information:

\*PUBH-EPBI - require MATH 121 and MATH 216, all other Public Health concentrations require MATH 217



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College: **Health & Human Services**  
 Degree: **Bachelor of Science**  
 Calendar Year: **2020-2021**  
 Website: <https://www.iup.edu/public-health/>

**Summary of Requirements:** Public Health majors will complete a curriculum that is consistent with the criteria set by the the Council of Education for Public Health (CePH).The required public health core courses are designed to introduce students to essential public health core competencies:community health education, occupational-environmental health sciences, epidemiology and biostatistics, research methods, advocacy, networking, cultural competence, ethical decision making, community dynamics, and experiential learning. The program provides a strong foundation for students who want to pursue graduate study.

<b>Liberal Studies Requirements</b>				<b>Credits: 46-47</b>
BIOL 104	Human Biology	4cr	Health&Wellness Any 143-recommend FCSE,KHSS,NURS	3cr
BIOL 119	Eemerging Diseases	3cr	HIST (1) HIST 196 or 197 or 198	3cr
ECON122	Principles of Microeconomics	3cr	MATH 121* OR Calculus I (PUBH-EPBI-ONLY)	3/4 cr
ENGL 101	Composition I	3cr	MATH 217	Probability and Statistics
ENGL 202	Composition II	3cr	PHIL 122/130	Contemp Moral/Biomedical Ethics
ENGL 121	Humanities Literature	3cr	SOC SCI/GMA	Choose 3 courses
FDNT 145	Introdution to Nutrition	3 cr	ANTH 110 or 211; GEOG 104 or RGPL 103;	
Fine Arts	(1) LS Fine Arts Course	3cr	PYSC 101; SOC 151 or 161	
<b>Public Health Core Requirements</b>				<b>Credits: 30-33</b>
BIOL 301	Fundamentals of Epidemiology	3cr	NURS 455	Health Care Informatics
ECON 360	Health Economics	3cr	PUBH 122	Foundations of Public Health
GEOG/RPGL 316	Introduction to GIS	3cr	PUBH 306	Research Design & Analysis in Public Heal
NURS/ELR 314	Health Policy and Law	3cr	PUBH 493	Internship in Public Health
NURS 410	Health Promotion and Social Issues	3cr	SOC 442	Medical Sociology
<b>Free Electives Credits: 17-26</b>				
<b>Students are required to select one concentration of study</b>				
<b>Environmental and Occupational Health Concentration</b>		<b>23 cr</b>	<b>Epidemiology and Biostatistics Concentration</b>	
			<b>23 cr</b>	
BIOL 221	Environmental Health and Protection	3cr	CHEM 101	College Chemistry I
BIOL 323	Intro to Toxicology & Risk Assessment	3cr	CHEM 102	College Chemistry II
CHEM 101	College Chemistry I	4cr	FDNT422	Public Health Nutrition and Epidemiology
CHEM 102	College Chemistry II	4cr	KLSS 472	Epidemiology of Physical Activity
SAFE 330/430	Recog, Eval, & Control of Occ Health Haz I/I	3cr	MATH 216	Probability & Statistics for Nat Sciences
SAFE 335	Industrial & Environmental Stressors	3cr	MATH 411	Univariate Data Analysis
SAFE361	Air & Water Pollution	3cr	MATH 412	Multivariate Statistics
<b>Behavioral and Mental Health Concentration</b>		<b>18 cr</b>	<b>Global and Rural Communities Concentration</b>	
			<b>21 cr</b>	
PSYC 332	Community Psych and Prevention Science	3cr	ANTH 240	Intro to Global Health
PSYC 374	Stess andCoping	3cr	SOC 454	Dimensions of Rural Pubic Health
SOC 361/362/363	Social Stratification/Racial & Ethnic	3cr	ANTH/SOC 450	Health Disparities
SOC 448	Social Welfare Policy	3cr	GEOG 454	GIS Anaylsis of Public Health
<b>Controlled Electives (2 of the following)</b>			<b>Controlled Electives (3 of the following)</b>	
			<i>Food and Nutrition (choose 1)</i>	
PSYC 321	Abnormal Psychology	3cr	ANTH 430	Anthropology of Food
PSYC 322	Violence Across the Lifespan	3cr	FDNT 402	Community Nutrition
PSYC 380	Gender and Violence	3cr	FDNT 410	Food, Nutrition and Aging
SOC 335	Alcohol and Drug Abuse	3cr	FDNT 415	Sustainable Nutrition
SOC 427	Social Pers on Intimate Partner Violence	3cr	FDNT 422	Public Health Nutrtrition & Epidemiology
SOC 428	Child Abuse	3cr	FDNT 470	Human Food Consumption Patterns
CRIM 384	Violence and Victimology	3cr	<i>Social Disparities (choose 1)</i>	
			SOC 363	Sociology of Gender
			ANTH 350	Anthropology of Food
			ANTH/LAS 370	Latinos and Diasporas
			ECON 362	Poverty and Global Health
			KHSS 350	Health Aspects of Aging
			SOC 337	Society, Globalization, & Risk
			SOC 357	Sociology of Aging
			SOC 361	Social Stratification
			SOC 362	Racial and Ethnic Minorities
			SOC 452	Disability and Society
			<i>Qualitative Evidence and Research (choose 1)</i>	
			ANTH 444	Medical Anthropology
			ANTH 456	Ethnographic Research Methods
			SOC 456	Ethnographic Research Methods
<b>Total Credits for Degree:</b>				<b>120</b>