

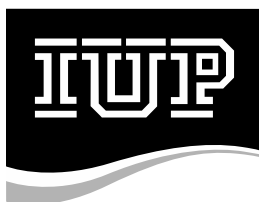
UNDERGRADUATE CATALOG 2017–18

COLLEGE OF HEALTH AND HUMAN SERVICES

www.iup.edu/healthhumanserv

This document is a direct extract from the full 2017–18 *Undergraduate Catalog*. As a result, the original page numbering will appear.

For information on other colleges at IUP, or about specific courses, please consult the full 2017–18 catalog, available at www.iup.edu/registrar/catalog. Earlier catalogs are also available at this web address.



Indiana University of Pennsylvania

The College of Health and Human Services

Mary E. Williams, Interim Dean

Amy R. Cook, Assistant Dean for Business Operations

Sally M. McCombie, Dean's Associate for Academic Affairs

Lon H. Ferguson, Dean's Associate for Administration

Website: www.iup.edu/healthhumanserv

The College of Health and Human Services comprises nine multifaceted departments that offer 26 programs leading to a baccalaureate degree, 16 master's degree programs, eleven minors, three credit-bearing certificate programs, and four noncredit certificate programs. The departments in the college are Criminology and Criminal Justice; Culinary Arts; Employment and Labor Relations; Food and Nutrition; Kinesiology, Health, and Sport Science; Hospitality Management; Human Development, Fashion, and Interior Design; Nursing and Allied Health Professions; and Safety Sciences.

The college offers degrees in areas relevant to workforce needs and prides itself on having established a learning-centered environment in which the curricula bridge theory and practice. Hands-on fieldwork, observations, internships, clinical experiences, service-learning opportunities, and cooperative education are regular components of the curricula and provide valuable learning experiences for students. Instructional methods are often cooperative and collaborative, affording students the opportunity to understand what they can contribute to and gain from collective efforts. Discovery-based instruction provides opportunities to learn about a discipline by practicing in the field. Media technology, an ever-expanding resource, provides access to worldwide information. Faculty members recognize the central role of the learner in the learning process and strive to create integrated, holistic learning environments. The focus on learning is a commitment to the continuous improvement of the quality of education offered by the college.

The mission of the College of Health and Human Services is to serve the public interest by preparing professionals for applied professional disciplines. Graduates will be compassionate, affirm high personal and professional standards, provide future leadership, and be committed to creating and advancing knowledge in their discipline.

College Majors

- **Athletic Training**
- **Child Development and Family Relations**
- **Clinical Laboratory Science**
- **Criminology** (Pre-law Track available)
- **Employment and Labor Relations** (graduate program only)
- **Fashion Merchandising**
- **Health and Physical Education** (Tracks available: K-12 Teacher Education*, Community Health Education, Recreation Leisure)
- **Hospitality Management**
- **Interior Design**
- **K-12 Family and Consumer Sciences Education***
- **Nuclear Medicine Technology**
- **Nutrition** (Tracks available: Culinary Dietetics, Dietetics, Nutrition)
- **Nursing** (Licensed Practical Nurse Track available)
- **Physical Education and Sport** (Programs available: Exercise Science, Pre-Athletic Training, Sport Administration)
- **Public Health** (Concentrations available: Behavioral and Mental Health, Environmental and Occupational Health, Epidemiology and Biostatistics)
- **Respiratory Care** (Certified Respiratory Therapist Track available)
- **Safety, Health, and Environmental Applied Sciences**

College Minors

- **Child Development and Family Relations**
- **Community Health**
- **Criminology**
- **Cyber Security**
- **Effective Teamwork and Communication**
- **Global Health**
- **Nutrition**

- **Pre-law Interdisciplinary**
- **Safety, Health, and Environmental Applied Sciences**
- **Sport Management**
- **Sustainability Studies**

Credit Certificate Programs

- **Athletic Coaching**
- **Gerontology**
- **Shale, Gas, and Energy**

Noncredit Certificate Programs

- **Baking and Pastry**
- **Criminal Justice Training**
- **Culinary**
- **Paramedic**

* Programs leading to PA Teacher Certification, also available Driver Education

Pre-law Interdisciplinary Minor

Successful lawyers possess excellent skills in writing and speaking and can analyze a problem and explain its solution in clear, logical terms. The Pre-law Interdisciplinary minor prepares the student especially well in these areas and provides the skills and knowledge needed to do well in the law school admissions examination. This minor may be taken with any major other than those with a Pre-law Track. Although a pre-law minor is not required for law school admission, this interdisciplinary minor will provide students with the prerequisite skills for law school. Interested students should contact the dean of the College of Health and Human Services.

Pre-law Interdisciplinary Minor

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Seven courses, including at least one from each of the areas (no courses with student's major prefix):

<i>Business:</i>	ACCT 201, ACCT 202, BLAW 235
<i>Criminology:</i>	CRIM 210, 215, 225, 255
<i>Economics:</i>	ECON 121, 122, 332
<i>English:</i>	ENGL 212, 227, 265, 310, 321
<i>History:</i>	HIST 320, 341, 342, 346, 475
<i>Philosophy:</i>	PHIL 101, 122, 130, 221, 270, 320, 450
<i>Political Science:</i>	PLSC 358, 359, 361, 405

Bachelor of Science—Public Health

The Bachelor of Science with a major in Public Health will graduate students who will help meet Pennsylvania's workforce needs in public health and health care related fields, and will help meet the strong demand for trained public health professionals projected by national and regional studies. This degree will prepare students for jobs in health administration, community health, and health education. Upon completion of the program, students will understand the science of human physical and mental health, the epidemiology of infectious and chronic diseases, as well as the complications of the US and global health care systems with regard to access and ethics of the disparities in health care delivery. The program offers three concentrations: **Environmental and Occupational Health, Behavioral and Mental Health, and Epidemiology and Biostatistics.**

Bachelor of Science—Public Health/Environmental and Occupational Health Concentration

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 46-47

Humanities: PHIL 122 or 130

Mathematics: MATH 217

Natural Science: BIOL 104, 119

Social Science: ANTH 110, PSYC 101, SOC 151

Liberal Studies Electives: ECON 122, FDNT 145

Public Health Core:		30-33
BIOL 301	Fundamentals of Epidemiology	3cr
ECON 360	Health Economics	3cr
GEOG/ RGPL 316	Introduction to Geographic Information Systems	3cr
NURS 410	Health Promotion and Social Issues	3cr
NURS 455	Health Care Informatics	3cr
NURS/ELR 314	Health Policy and Law	3cr
PUBH 122	Foundations of Public Health	3cr
PUBH 306	Research Design and Analysis in Public Health	3cr
PUBH 493	Internship in Public Health	3-6cr
SOC 442	Medical Sociology	3cr

Concentration: Environmental and Occupational Health 23
BIOL 221, 323; CHEM 101, 102; SAFE 330 or 430, 335, 361

Free Electives: (1) 17-21

Total Degree Requirements: 120

(1) Minor or certificate recommended.

Bachelor of Science—Public Health/Behavioral and Mental Health Concentration

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 46-47

Humanities: PHIL 122 or 130

Mathematics: MATH 217

Natural Science: BIOL 104, 119

Social Science: ANTH 110, PSYC 101, SOC 151

Liberal Studies Electives: ECON 122, FDNT 145

Public Health Core:		30-33
BIOL 301	Fundamentals of Epidemiology	3cr
ECON 360	Health Economics	3cr
GEOG/ RGPL 316	Introduction to Geographic Information Systems	3cr
NURS 410	Health Promotion and Social Issues	3cr
NURS 455	Health Care Informatics	3cr
NURS/ELR 314	Health Policy and Law	3cr
PUBH 122	Foundations of Public Health	3cr
PUBH 306	Research Design and Analysis in Public Health	3cr
PUBH 493	Internship in Public Health	3-6cr
SOC 442	Medical Sociology	3cr

Concentration: Behavioral and Mental Health 18
PSYC 332 and 374; SOC 361 or 362 or 363; SOC 448 and 2 electives

Free Electives: (1) 22-26

Total Degree Requirements: 120

(1) Minor or certificate recommended.

Bachelor of Science—Public Health/Epidemiology and Biostatistics Concentration

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: 46-47

Humanities: PHIL 122 or 130

Mathematics: MATH 121

Natural Science: BIOL 104, 119

Social Science: ANTH 110, PSYC 101, SOC 151

Liberal Studies Electives: ECON 122, FDNT 145

Public Health Core:		30-33
BIOL 301	Fundamentals of Epidemiology	3cr
ECON 360	Health Economics	3cr
GEOG/ RGPL 316	Introduction to Geographic Information Systems	3cr
NURS 410	Health Promotion and Social Issues	3cr
NURS 455	Health Care Informatics	3cr
NURS/ELR 314	Health Policy and Law	3cr
PUBH 122	Foundations of Public Health	3cr
PUBH 306	Research Design and Analysis in Public Health	3cr
PUBH 493	Internship in Public Health	3-6cr
SOC 442	Medical Sociology	3cr

Concentration: Epidemiology and Biostatistics 23
CHEM 101, 102; FDNT 422; KHSS 472; MATH 216, 411, 412

Free Electives: (1) 17-21

Total Degree Requirements: 120

(1) Minor or certificate recommended.

Effective Teamwork and Communication Minor

The Effective Teamwork and Communication minor is an interdisciplinary program that aims to better prepare students for a competitive job market by instilling interpersonal, teamwork, and communication skills for use in their field. Employers of today seek job candidates who possess a strong set of technical skills, but strongly prefer someone who can also work in a team environment. Ninety percent of employers believe that team skills are equally or even more important than technical skills when hiring. This minor provides students with ways to stand out from the crowd.

The addition of the minor is practical for all majors, particularly those programs with few free electives. The minor draws expertise from appropriate faculty across the university to introduce and relate in-demand teamwork attributes to core foundation theories of communication, leadership, sociology, and theater. Students further develop their teamwork and communication skills as they solve current, real-world problems in in-major projects within their required classes. The direct connections of the liberal courses and in-major course work minimizes the course load for students who wish to enhance their education and future job prospects and emphasizes the application of a liberal studies education.

The coursework of the minor will expose students to understanding how their beliefs, attitudes, and actions affect the team as well as how the diversity of the team adds strength and additional perspective to solve complex problems facing society. Students will learn how to engage audiences with nontechnical and technically rich content, frame and present arguments, and develop the ability to speak about their work and its significance. Traits of good team members and leaders will be examined. Capstone projects, coupled with required in-major courses, provide a direct opportunity for students to develop their skills within their chosen field. Students will reflect on the personal qualities and attributes they bring to a team and prepare materials that best illustrate these skills to future employers.

Minor—Effective Teamwork and Communication 18-20

Required Courses: 12

COMM 261	Teamwork and Communication Skills for College and Career (1)	3cr
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LDSP 361	Introduction to Leadership	3cr
SOC 161	Foundations of Sociology: Social Relations in Groups and Organizations (2, 3)	3cr
THTR 161	Introduction to Theater: Interpersonal Practices (4)	3cr
Interdisciplinary Teamwork Course: (5)		3-4
One course approved as a Teamwork-Intensive section (T-Course) course.		3-4cr
Capstone Courses: (6)		2-3
TMWK 461	Teamwork and Communication in Research (7)	1cr
And one to two credits of independent study, honors thesis, or undergraduate research (8)		1-2cr
<p>(1) COMM 261 counts as a Liberal Studies Elective in Oral Communication and Information Literacy requirements.</p> <p>(2) SOC 161 counts toward the Liberal Studies Social Science requirement.</p> <p>(3) SOC 161 and 151 are interchangeable for pass/repeat. SOC 161 is required for the minor.</p> <p>(4) THTR 161 counts toward the Liberal Studies Fine Arts requirement. THTR 161 and 101 are interchangeable for pass/repeat. THTR 161 is required for the minor.</p> <p>(5) Any teamwork-intensive course can count towards a student's minor. Students are encouraged to take a teamwork-intensive course that is a required course or elective in their major.</p> <p>(6) Students need a minimum 6cr of 300- and 400-level course work. This requirement is completed using one of the two following approaches: 1) LDSP 361 and a 3cr 300- or 400-level teamwork intensive course or 2) LDSP 361, TMWK 461, and 2cr of a 300- or 400-level independent studies/honors thesis/undergraduate research.</p> <p>(7) TMWK 461 is a required course for the minor. The independent studies/honors thesis/undergraduate research course is a co-requirement (or may be taken as a prerequisite) for TMWK 461.</p> <p>(8) Students who take a 3cr teamwork-intensive course need 2cr of independent study, honors thesis, or undergraduate research.</p>		

Global Health Minor

Global health is an area for study, research, and practice that places a priority on improving health and achieving health equity for all people worldwide. The Global Health minor will equip students interested in health and medicine with the analytical and critical-thinking skills needed to understand, explain, and critique health inequalities. They will recognize how these health disparities result from globalization and the need for promoting health equity in areas of the world with under-resourced and constrained health care. The minor is organized around six global health pathways: (1) food, nutrition, and hunger; (2) environmental justice; (3) law, ethics, and policy; (4) disaster, conflict, and displacement; (5) gender, sexuality, and reproductive health; and (6) aging. Students will select one of the six pathways and will complete 12 credits in the selected pathway, in addition to Introduction to Global Health and either Medical Anthropology or Medical Sociology.

Health topics, theories, and research methods as addressed in the social sciences will advance students' interdisciplinary understandings of health disparities, with a corresponding awareness of health equity. Practicums, through field school participation, internships, and other experiential learning opportunities, will merge course material with real world praxis, and will provide students with greater insights into global health and its contributions. The Global Health minor will prepare students for graduate studies in health-related fields and careers in health-promoting governmental agencies and non-governmental organizations (NGOs). Ethnographic field school, independent study courses, and internship courses may be applied to each global health pathway with the approval of the Global Health minor committee. Students should consult with the program coordinator to determine if there are any prerequisites for the courses listed below. The program coordinator will work with individual departments to determine if students may qualify for prerequisite exemptions. Course substitutions will be permitted with the approval of the Global Health minor committee.

Minor—Global Health (2, 5)		18
Core Courses:		6
ANTH 240	Introduction to Global Health	3cr
AHTR 444	Medical Anthropology <i>or</i>	3cr
<i>or</i> SOC 442	Medical Sociology	3cr
Select one Global Health Pathway		12

Food, Nutrition, and Hunger (7 courses, choose 4) (3, 4)

At least one course must have a FDNT prefix.

The courses in this pathway offer the students an interdisciplinary perspective that will provide students with the analytical tools to examine world needs associated with food, nutrition, and health.

ANTH 430, ECON 360, 362, FDNT 143 (1) *or* NURS 143 (1), FDNT 415, 470, SOC 337

Environmental Justice (7 courses, choose 4) (3, 4)

The courses in this pathway offer the students an interdisciplinary perspective that will provide students with the analytical tools to examine the linkages between environmental issues in the world and health.

ANTH 420, BIOL 221, ECON 362, FDNT 415, GEOG/RGPL 343, PHIL 270, SOC 417

Law, Ethics, and Policy (9 courses, choose 4) (3, 4)

The courses in this pathway will allow students to learn about using law and ethics to develop and advocate for legislation and policies designed to address social injustice and improve health in the world.

ANTH 352, 360, ECON 360, 362, NURS/ELR 314, PHIL 130, PLSC 405, SOC 362, 452

Disasters, Conflicts, and Displacement (6 courses, choose 4) (3, 4)

The courses in this pathway will offer the students an interdisciplinary perspective to examine natural disasters and armed conflicts that result in displacement and poor health in many parts of the globe.

ANTH 352, 370, NURS 102, PSYC 378, RGPL 103, SOC 337

Gender, Sexuality, and Reproductive Health (10 courses, choose 4) (3, 4)

The courses in this pathway will offer the students an interdisciplinary perspective that will provide students with the analytical tools to examine gender, sexuality, and related health issues as well as reproductive health knowledge and services in the world.

ANTH 250, BIOL 117, ENGL 336, KHSS 143 (1), LGBT 200, PLSC 405, PSYC 379, SOC 251, 363, 410

Aging (8 courses, choose 4) (3, 4)

The courses in this pathway will offer the students an interdisciplinary perspective that will provide students with the analytical tools to examine fundamentals of global aging and health.

ANTH 340, ECON 362, FDNT 410, KHSS 350, PSYC 312, 378, SOC 357, 452

- (1) Only one 143 Liberal Studies class may be taken in a student's entire program.
- (2) At least six credits in the selected pathway must be at the 300 level or above.
- (3) Only one 100-level course may count in the selected pathway.
- (4) Only two courses in the selected pathway may come from the student's major.
- (5) With the exception of GLOB courses, no course prefix may be used more than twice without written permission from the program director.

Sustainability Studies Minor

Susan M. Comfort and Amanda B. Poole, Coordinators

The Sustainability Studies minor is an interdisciplinary program that draws from expertise across the university. The program conceptualizes "sustainability" as an interdisciplinary approach to knowledge production and action that focuses on "the health and integrity of human societies and the natural world." Sustainability is classically defined as a stool with three legs—the social, the economic, and the environmental; the purpose of this program is to address the challenges of sustainability by balancing the

humanities, social sciences, and natural sciences. The minor equips students to broaden their thinking about the origins of sustainability problems and possible solutions to include human institutions, ethics and cultures, as well as technologies and natural sciences. In so doing, the minor aims to foster student agency with regard to research on sustainability, responsibility to both human and non-human life, and civic engagement with local sustainability projects. The minor can supplement all majors in the university. Career possibilities include positions in design, law, food industries, planning and architecture, education, building certification, renewable energy, and waste management.

Students must complete 18 credits and a capstone experience (described below) to earn a minor in sustainability studies. The program's interdisciplinary approach encourages students to take courses from a variety of departments. The program is structured as follows:

1. All students will take SUST 201 Introduction to Sustainability.
2. Students must then take at least 12 credits from Category A, defined as courses in which substantial content is foundational to engagement with sustainability. These credits must be distributed across three "clusters," each of which denotes a major aspect of sustainability. Having taken one course from each of the three clusters, students will then be able to take the remaining Category A credits from a cluster of their choosing.
3. Only 3cr may come from Category B, defined as courses in which significant content is foundational to engagement with sustainability. Because their content may vary, courses from Category B must be approved by the program director to count for the minor.
4. At least 6cr must be at the 300 level or above.
5. Only one course may come from the student's major.
6. With the exception of SUST courses, no course prefix may be used more than twice without written permission from the program director.
7. Special topics, independent study courses, and internship courses may be applied to either Category A or Category B with the approval of the Sustainability Studies Committee.
8. Students should consult with the program director to determine if there are any prerequisites for the courses. Through counseling, the program coordinator will work with individual departments to determine if students may qualify for prerequisite exemptions.
9. Students will work with an advisor from the Sustainability Studies program to develop a capstone experience that synthesizes their knowledge and skills related to sustainability. This requirement may be fulfilled by one of the following options: a portfolio, conference presentation, or other scholarly activity approved by the program director.

Minor—Sustainability Studies **18**

Required course: 3
 SUST 201 Introduction to Sustainability 3cr

Category A 12-15

Cluster I: Ethics, Culture, and Society

ANTH 420	Environmental Anthropology	3cr
ANTH 430	Anthropology of Food	3cr
ENGL 361	Environmental Literature	3cr
HIST 385	People in Nature	3cr
PHIL 270	Ethics and the Environment	3cr
RLST 365	Native North American Religions	3cr

Cluster II: Natural Sciences and Environmental Stewardship

BIOL 103	Life on Earth	4cr
BIOL 114	Environmental Science	3cr
BIOL 115	Biotic Diversity of North America	3cr
BIOL 201	Principles of Ecology and Evolution	4cr
BIOL 221	Environmental Health and Protection	4cr
BIOL 272	Conservation of Plant and Animal Resources	3cr
BIOL 450	Field Biology at Pymatuning Laboratory of Ecology	4cr
BIOL 490	Field Studies in Biology	3cr
GEOS 101	The Dynamic Earth	3cr
GEOS 103	Oceans and Atmospheres	3cr
GEOS 310	Environmental Geology	4cr
GEOS 370	Oceanography	4cr

PHYS 101	Energy and Our Environment	3cr
PSYC 331	Environmental Psychology	3cr
Cluster III: Environmental Policy, Economics, and Law		
CRIM 374	Environmental Crime and Justice	3cr
ECON 361	Environmental Economics	3cr
FDNT 470	Human Food Consumption Patterns	3cr
GEOG/RGPL 103	Global Cities: Issues in Planning and Development	3cr
GEOG 104	World Geography: Global Context	3cr
GEOG/RGPL 343	Geography of Fresh Water Resources	3cr
GEOG/RGPL 345	Biogeography for Environmental Managers	3cr
GEOG/RGPL 440	Conservation: Environmental Analysis	3cr
MKTG 444	Green Marketing	3cr
RGPL 426	Environmental Land Use Planning	3cr

Category B 0-3

ANTH 110, 213, 314, 444, ART 113, 213, BIOL 323, 362, 456, 460, ECON 338, 339, 365, GEOG 230, 435, GEOS 150, 152, 201, 324, JRNL 375, 466, KHSS 143, NURS 143, PHIL 122, PLSC 250, 389, PSYC 330, RLST 485, SOC 314, 337, 340, 417
