

# Public Health - B.S.

The Public Health bachelor's degree program prepares graduates for entry-level health-profession careers in such areas as health education, health promotion, research, monitoring and evaluation, and health and policy administration. Additionally, it prepares graduates seeking post-baccalaureate entry into graduate programs such as public health, public policy, health management, law and health informatics. Students can take additional electives in management that can help to prepare graduates for entry-level health-profession careers in such areas as health administration and management, consulting, quality improvement in healthcare, and policy administration.

The curriculum is based on a strong foundation in the population health sciences along with coursework in the arts and sciences. Content in the areas of health and wellness is emphasized. An interdisciplinary team of educators provides holistic exposure to nutrition, exercise science, psychology, sociology, public health, business and economics, and their importance to patient-centered, humanistic healthcare delivery.

The Public Health degree program emphasizes the application and synthesis of knowledge and develops graduates who are the problem-solvers and critical-thinkers of tomorrow in both domestic and global health systems and communities.

Upon completion of the program, graduates are expected to:

- Apply fundamental biologic, socio-economic, behavioral, ethical, cultural and spiritual principles to the practice of health and wellness.
- Synthesize foundational knowledge and the results of inquiry and research.
- Effectively communicate health and wellness principles to diverse populations.
- Work collaboratively as a member of a health and wellness team to improve individual and community outcomes.
- Compare and discuss major local, national and global health challenges related to healthcare access and outcomes.

Public Health students take basic science courses in anatomy and physiology, exercise physiology and life science. Courses examine patterns of population health and disease, the organization and social structures through which health services are delivered/received, and community needs assessment and planning. Additional emphasis is placed on courses in counseling, health education, psychology and health policy. In consultation with advisers, students may select courses that specifically prepare them for positions in the public health arena, such as health policy analysts, consultants, health promotion coordinators and educators, and a variety of jobs in both state and federal government.

## Public Health

A four-year program leading to the bachelor of science degree

### Major Courses

CULN2414	Cooking for Health and Wellness	3
HSC1010	Introduction to Health Professions	1
HSC1100	Determinants of Health	3
HSC1230	Introduction to Public Health	3
HSC2100	Epidemiology	3
HSC2230	Introduction to Global Health	3
HSC2400	Research Methods for Health Science	3
HSC3300	Comparative Healthcare Systems	3
HSC4100	Health Policy, Ethics and the Law	3
HSC4900	Data and Evidence in Health: Research Capstone	3
PSYC2002	Abnormal Psychology	3
SCI1015	Introduction to Life Science	3
SCI2020	Introduction to Exercise Physiology	3
SCI2031	Anatomy and Physiology	3

### Major Electives

Choose 18 credits from the following: \*

Health Science		
BIO1011 & BIO1016	General Biology - Cellular and General Biology Laboratory - Cellular	
BIO2021 & BIO2026	Functional Human Anatomy and Functional Human Anatomy Laboratory	
BIO2041 & BIO2046	Human Physiology and Human Physiology Laboratory	

BIO3400	Fundamentals of Pharmacology
CHM1011 & CHM1016	General Chemistry I and General Chemistry I Laboratory
CHM2050 & CHM2056	Introduction to Organic Chemistry and Introduction to Organic Chemistry Laboratory
CHM3040 & CHM3046	Biochemistry and Biochemistry Laboratory
DIET3080	Community Nutrition
HSC3200	Health Education and Program Planning
PHY1011 & PHY1016	General Physics I and General Physics I Laboratory
PHY1022 & PHY1026	General Physics II and General Physics II Laboratory
Leadership/Management	
ACCT1210	Financial Accounting
ACCT1220	Managerial Accounting
BUS1001	Introduction to Business and Management
ECON1001	Macroeconomics
ECON1002	Microeconomics
FISV2000	Finance
FIT1040	Spreadsheet Design for Business Solutions
LEAD1010	Foundations of Leadership Studies
MGMT2001	Human Resource Management
Social/Behavioral	
ANTH1050	Cultural Anthropology
PSYC2030	Developmental Psychology
PSYC2040	Psychological Issues of Substance Use Disorders and Compulsive Behaviors
PSYC2100	Health Psychology
SOC2035	Sociology of Aging

### Applied/Experiential Learning

Choose 6 credits from the following: 6

CHW4799	College of Health & Wellness Internship <sup>1c</sup>
DEE3999	Directed Experiential Education <sup>D</sup>

Study Abroad

### Related Professional Studies

CAR0010	Career Management	1
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### A&S Core Experience

Communications Foundation Courses 9

ENG1020	Rhetoric & Composition I
ENG1021	Rhetoric & Composition II
ENG1030	Communication Skills

Integrative Learning 6

Two ILS courses, one at the 2000 level, one at the 4000 level

Arts and Humanities 6

PHIL3240	Ethics: A Global Perspective
One course from ART, HIST, HUM, LIT or REL	

Mathematics 6

MATH1020	Fundamentals of Algebra (or higher, based on student's placement)
MATH2010	Introduction to Biostatistics

Science 3

SCI1050	Nutrition
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Social Sciences 6

PSYC1001	Introductory Psychology
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC	

A&S Electives 6

Two courses with an EASC attribute

### Free Electives<sup>#</sup>

15 credits selected from 1000-4999 numbered offerings within the university 15

Total Credits 122.0

\* Students are responsible for meeting prerequisites.

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?