

POPULATION HEALTH (MS)

Contacts

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Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/population-health/degrees-programs/population-health.html>)

Program Description

Population Health (PopH) is an academic and professional field that draws upon diverse disciplines to create a new paradigm for health improvement that engages all key stakeholders that impact the delivery of health services. Health systems in the U.S. and around the world are shifting from volume to value.

Master's Degree

The Master of Science (MS) degree builds upon the foundational concepts presented in the Graduate Certificate and focuses on the advanced applications of population health science and management. This option contains 10 online courses and a capstone project, which is specifically designed to enhance the student's career trajectory. This option can be completed in two years.

The three track options allow students to focus their studies on the science of population health improvement or the population health management strategies used in healthcare.

Science Track

This track provides critical knowledge and skills to effectively address population health issues across a spectrum of populations. It is a broad education applicable to administrative leadership positions in healthcare delivery organizations, health insurance companies, government, public health agencies, and health-related non-profit organizations. It is also ideal for general education of professionals new to or considering population health endeavors.

Management Track

This track is designed for professionals in healthcare and provides a deeper focus on the clinical application of population health principles both for strategy and management.

Employer Track

This track is designed for professionals in business and healthcare and provides a deeper focus on the application of population health principles for employee populations within organizations.

All tracks teach skills to lead value-based population health-focused enterprise-level change across a variety of healthcare organizations and systems.

Program Outcomes

Graduates of the Graduate Certificate in Population Health are able to:

- Articulate U.S. Healthcare organization and delivery, and how it impacts strategy and operations for achieving value-based care.
- Define population health, and describe how public health resources can align to address social determinants of health in order to improve health care outcomes.
- Incorporate principles of healthcare quality and safety to improve the care of patients and populations.
- Apply principals of economics, risk, and finance to the development and implementation of health care strategies.
- Describe how policy, medicolegal, and regulatory factors inform and impact health care systems. (Science track)
- Organize and implement clinical programs while understanding the role of analytics and principles of implementation science. (Management track)

Graduates of the Master of Science in Population Health Program are able to achieve the above competencies plus:

All Tracks

- Apply quantitative and qualitative analytic skills to develop, implement, and evaluate programs that address population health issues at the institutional, community, regional, and national levels.
- Apply principles of change management to more successfully influence healthcare programs and outcomes.

Science Track

- Assess and interpret healthcare policies, legal precedents, statutes, and regulations.
- Analyze the impact of socio-cultural factors on access to health care and adjust health promotions and interventions accordingly.
- Apply social, behavioral and organizational science to the diagnosis, development and implementation of organizational change
- Participate in structured simulations that demonstrate the breadth of population health

Management Track

- Discuss and design clinical programs and initiatives which demonstrate understanding of social, clinical, and financial factors impacting population health.
- Apply leadership strategies for effective change to clinical operations.

Population Health for Employers Track

- Strategize and execute to maximize workforce health and wellness
- Understand the application of data science to maximize population health program benefits
- Focus on wellness, prevention, and chronic disease management for the workforce
- Prepare for the future by studying new models and how they can benefit employee health care

All three tracks culminate in a capstone project which incorporates knowledge and skills gained through the Master's Program education. The Capstone should advance knowledge which can be applied to the student's discipline and/or organization.

Population Health Science

Curriculum: 2 Years

Code	Title	Credits
Master of Science		
HPL 500	US Healthcare Org & Delivery	3
POP 500	Essentials of PopulationHealth	3
HQS 500	Intro Healthcare Qual & Safety	3
POP 510	Health Econ, Risk, & Finance	3
HPL 504	Health Law & Regulatory Issues	3
HDS 501	Health Informatics & Analytics	3
AHE 509	Epi & Evidnc Outcomes Research	3
HPL 506	HealthPolicy:Analysis&Advocacy	3
OPX 520	Change Management	3
General Elective (Program Director approval needed)		3
POP 650	Capstone	3
Total Credits		33

Population Health Management

Curriculum: 2 Years

Code	Title	Credits
Master of Science		
POP 500	Essentials of PopulationHealth	3
POP 510	Health Econ, Risk, & Finance	3
HDS 501	Health Informatics & Analytics	3
OPX 520	Change Management	3
HQS 509	Appl Princ of Healthcare Qulty	3
HDS 538	Implementation Science	3
POP 560	PopHealth Mgmt Applications	3
POP 561	Pop Health Strategy & Mgmt	3
OPX 530	Appl Lead Strat for Eff Change	3
General Elective (Program Director approval needed)		3
POP 650	Capstone	3
Total Credits		33

Population for Employers

Curriculum: 2 Years

Code	Title	Credits
Master of Science		
HPL 500	US Healthcare Org & Delivery	3
POP 500	Essentials of PopulationHealth	3
POP 510	Health Econ, Risk, & Finance	3
HQS 500	Intro Healthcare Qual & Safety	3
POP 541	Pop Health for Employers	3
POP 542	Pop Health Analytics for Emp	3
POP 543	Wellness, Prev, & CDM for Emp	3
POP 544	New Models & Employee Hlthcare	3
POP 545	Pop Health Law for Employers	3
General Elective (Program Director approval needed)		3
POP 650	Capstone	3
Total Credits		33