

# DEPARTMENT OF POPULATION HEALTH

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The Department of Population Health offers undergraduate degree programs in healthcare administration, health information administration, health sciences, and public health. Minors in health sciences and public health are available.

## Accreditation

- The Health Information Administration program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

### Degrees Offered

- BS in Healthcare Administration (<https://catalog.utoledo.edu/undergraduate/health-human-services/population-health/bs-health-care-administration/>)
- BS in Health Information Administration (<https://catalog.utoledo.edu/undergraduate/health-human-services/population-health/bs-health-information-administration/>)
- BA in Health Sciences (<https://catalog.utoledo.edu/undergraduate/health-human-services/population-health/ba-health-sciences/>)
- BS in Health Sciences (<https://catalog.utoledo.edu/undergraduate/health-human-services/population-health/bs-health-sciences/>)
- BS in Public Health (<https://catalog.utoledo.edu/undergraduate/health-human-services/population-health/bs-public-health/>)
- Minor in Health Sciences (<https://catalog.utoledo.edu/undergraduate/health-human-services/population-health/minor-health-sciences/>)
- Minor in Public Health (<https://catalog.utoledo.edu/undergraduate/health-human-services/population-health/minor-public-health/>)

### HCAR 3000 Introduction to Health Care Administration

[3 credit hours]

Studies the structure of the U.S. health care delivery system, provider organizations, and the health care professionals who staff these organizations. Opportunities and challenges of health care administration are discussed.

**Term Offered:** Spring, Summer, Fall

### HCAR 4360 Quality Improvement In Health Care

[3 credit hours]

Purpose and philosophy of quality assessment and system design. Selection/application of tools for data collection, analysis and problem resolution. Incorporates requirements of Joint Commission on the Accreditation of Healthcare Organizations.

**Term Offered:** Spring, Summer, Fall

### HCAR 4530 Problem Solving In Health Care Environment

[4 credit hours]

The theory, practice, and management of healthcare administration in effective decision making within the dynamics of current health care organizations.

**Prerequisites:** HCAR 3000 with a minimum grade of D- and HCAR 4360 with a minimum grade of D- and HCAR 4550 with a minimum grade of D-

**Term Offered:** Spring, Summer, Fall

### HCAR 4540 Internship In Health Management

[3 credit hours]

Internship in institutional health care focusing on mid-management.

**Term Offered:** Spring, Summer, Fall

### HCAR 4545 Project Management in Healthcare

[3 credit hours]

This course provides an applied approach to creating an Electronic Medical Record system project implementation plan utilizing several approaches to achieve this goal.

**Prerequisites:** HCAR 4530 with a minimum grade of D- and HCAR 4570 with a minimum grade of D- and HCAR 4580 with a minimum grade of D-

### HCAR 4550 Health Care Finance

[3 credit hours]

Study of financial problems and current sources of reimbursement to health care organizations. Emphasis on departmental financial management as integrated with financial management of organizations.

**Prerequisites:** BUAD 2050 with a minimum grade of D-

**Term Offered:** Spring, Summer, Fall

### HCAR 4560 Services in Healthcare

[3 credit hours]

This class will describe the services provided by hospitals, the healthcare provider teams and how departments are organized in the provision of care. This course will have specific concentration on hospital services, structure and operations.

### HCAR 4570 Resources in Healthcare

[4 credit hours]

This four (4) hour hybrid course focuses on the study of resources in healthcare and how these resources impact the daily operations in a health care environment.

**Prerequisites:** HCAR 3000 with a minimum grade of D- and HCAR 4560 with a minimum grade of D-

### HCAR 4580 Leadership and Management in Healthcare

[3 credit hours]

This three (3) hour class will focus on learning strategies and tools for leading and managing the unique challenges of healthcare organizations. The course will investigate the foundations of leadership, core competencies of health care leadership and techniques to hardwired goals and strategies in leadership and development of a strong organizational culture.

**Prerequisites:** HCAR 3000 with a minimum grade of D- and HCAR 4550 with a minimum grade of D- and HCAR 4560 with a minimum grade of D-

### HEAL 1310 Nutrition for Fitness & Health

[1 credit hour]

The student will learn basic nutrition as it applies physical fitness and overall health. Students will learn principles of planning a healthful diet that meets fitness goals.

**Term Offered:** Spring, Fall

**HEAL 1320 Nutrition for Weight Management**

[1 credit hour]

The student will learn principles of weight management, nutrition as it applies to healthy weight control, and overall health and will learn to plan individual approach to healthy diet.

**Term Offered:** Spring, Fall

**HEAL 1360 Alcohol and Contemporary Issues in College Life**

[1 credit hour]

This course provides students with an overview of the health, legal, and academic risks associated with excessive alcohol consumption among college students. Various prevention and treatment issues will be examined.

**Term Offered:** Spring, Fall

**HEAL 1500 First Aid**

[2 credit hours]

Provides the knowledge, skills, and confidence necessary to provide care for victims of sudden illness and injury. CPR, AED, and First Aid certification upon successful completion of the course.

**Term Offered:** Spring, Fall

**HEAL 1700 Introduction to Health Careers**

[3 credit hours]

An introduction to health and human service careers through an examination of the health care system, health career educational requirements, job outlook, and professional settings in which they operate.

**Term Offered:** Spring, Fall

**HEAL 1800 Medical Terminology**

[3 credit hours]

Study of the origin and structure of medical words, their prefixes, suffixes, special endings and singular to plural forms. Medical terms relating to the body and to clinical procedures will be explored.

**Term Offered:** Spring, Summer, Fall

**HEAL 2000 Foundations Of Health Education**

[3 credit hours]

Designed to introduce students to the field of health education by acquainting them with basic information, history, philosophy and competencies unique to health educators.

**Term Offered:** Fall

**HEAL 2100 Living Well**

[3 credit hours]

There is a strong correlation between personal well-being, potential for success in personal/career goals, and a successful college experience. An understanding of this interconnectedness based on social and behavioral health theories and science helps students develop personalized strategies for individual success in all areas of life. This practical application course builds a core knowledge foundation in the well-being literature and helps them apply that knowledge to positive changes in their lives. These strategies and skills are based on an understanding of the qualitative and quantitative evidence from scientific studies in this area. This course is well-suited to all majors wanting a better understanding of the social and behavioral foundations of living well.

**Term Offered:** Spring, Fall

**HEAL 2400 General Safety**

[3 credit hours]

An analysis of accident causation and disasters occurring in the home, workplace and community, and the presentation of a framework for developing accident counter-measures.

**Term Offered:** Spring, Fall

**HEAL 2500 Personal Health**

[3 credit hours]

Information is presented on the prevention and control of health problems including heart disease, cancer, infectious diseases, mental health, nutrition, human sexuality and other pertinent personal health issues.

**Term Offered:** Spring, Summer, Fall

**HEAL 2600 Mental Health**

[3 credit hours]

An examination of the principles of mental health, mental illnesses, mental health professionals and mental health facilities.

**Term Offered:** Spring, Summer, Fall

**HEAL 2700 Introduction to Public Health**

[3 credit hours]

Introduces students to the structure, organization and methods of public health including an emphasis on protecting and improving the health of populations via research, needs assessment, program planning, program implementation, and program evaluation.

**Term Offered:** Spring, Fall

**HEAL 2750 Introduction to Epidemiology**

[3 credit hours]

This course provides students with a basic understanding of epidemiologic methods and study design and of the place of epidemiology in preventive and clinical medicine, disease investigation, program evaluation and public policy.

**Term Offered:** Fall

**HEAL 2800 Principles Of Nutrition**

[3 credit hours]

Students learn basic nutrition concepts. Personal nutritional practices are analyzed and evaluated to plan improvements. Encourages making informed decisions about nutrition by critically analyzing nutrition information which abounds in popular media.

**Term Offered:** Spring, Summer, Fall

**HEAL 2940 Practicum In Community Health**

[2 credit hours]

Supervised field experience with community health agency. Students work under direct supervision of the agency's staff and a University supervisor.

**Term Offered:** Spring, Summer, Fall

**HEAL 3000 Global Health**

[3 credit hours]

This is an introductory course focused on applying public health principles in developing as well as developed countries designed to fulfill a global studies distribution requirement.

**Term Offered:** Spring, Fall

**HEAL 3300 Drug Awareness**

[3 credit hours]

Focuses on the impact of drug abuse and misuse on the individual and society. Explores physiological, psychological and rehabilitative aspects of drug misuse and abuse. Prevention strategies are discussed.

**Term Offered:** Spring, Summer, Fall**HEAL 3500 Environmental Health**

[3 credit hours]

An overview of the environmental effects of factors such as population growth, pollution, energy use, agriculture practices and waste disposal on the environment. Consideration will be given to solutions.

**Term Offered:** Spring, Summer**HEAL 3600 Prevention And Control Of Disease**

[3 credit hours]

An examination of the etiology, pathogenesis, prevention and control of acute and chronic diseases. Current techniques of prevention, control and detection are examined.

**Term Offered:** Spring, Summer, Fall**HEAL 3700 Foundations Of Human Sexuality**

[3 credit hours]

The course is designed to provide an introduction to the scientific study of human sexuality. The topic is approached from a variety of perspectives, including the historical, psychological, sociological, biological, ethical and legal.

**Term Offered:** Spring, Summer, Fall**HEAL 3800 Death And Dying**

[3 credit hours]

The course is designed to analyze the relationship between death and health with emphasis upon the biological, psychological, bioethical and legal aspects of death in contemporary society.

**Term Offered:** Spring, Summer, Fall**HEAL 4100 Health Behavior**

[3 credit hours]

Examines the major theories and models of health behavior and explores how those theories/models can be used to promote health and wellness in individuals, groups and populations.

**Prerequisites:** (HEAL 2000 with a minimum grade of B- and HEAL 2700 with a minimum grade of B-)**Term Offered:** Fall**HEAL 4200 Methods And Materials In Community Health**

[3 credit hours]

Designed for senior-level students to advance their knowledge and skills in needs assessment, program design, program implementation, program management, and program evaluation.

**Prerequisites:** HEAL 2000 with a minimum grade of D- and HEAL 2700 with a minimum grade of D- and HEAL 2750 with a minimum grade of D-**Term Offered:** Fall**HEAL 4250 Program Evaluation**

[3 credit hours]

Provides students with the fundamental knowledge of the types (formative, outcome, summative) of program evaluation and the purposes and importance behind program evaluation. Additionally, students will learn how to develop theory based evaluation methods.

**Prerequisites:** HEAL 4200 with a minimum grade of C**Term Offered:** Spring**HEAL 4400 Health Problems Of Youth**

[3 credit hours]

Provides education majors the knowledge and skills necessary to help identify, understand, and prevent preadolescent and adolescent health problems and risky health behaviors which directly impact school and future success.

**Term Offered:** Spring, Fall**HEAL 4500 Women's Health Care**

[3 credit hours]

The course is designed to consider personal health topics of special interest and applicability to women. The focus is upon the role of self-understanding and self-help in promotion of health and well-being.

**Term Offered:** Spring, Summer, Fall**HEAL 4560 Health Problems Of Aging**

[3 credit hours]

Acquaints students with physical changes and socio-psychological problems that occur with aging. Focus is on personal adjustment important in maintaining health throughout the aging process.

**Term Offered:** Spring, Summer, Fall**HEAL 4700 Nutritional Science**

[3 credit hours]

Introduces basic human nutritional needs. Examines the role of diet and health and disease throughout the lifestyle, including weight control and fitness issues. Personal nutritional practices are analyzed and evaluated.

**Prerequisites:** KINE 2530 with a minimum grade of D- or KINE 2560 with a minimum grade of D- or KINE 2570 with a minimum grade of D- or EXSC 2530 with a minimum grade of D- or EXSC 2560 with a minimum grade of D- or EXSC 2570 with a minimum grade of D-**Term Offered:** Spring, Summer, Fall**HEAL 4750 Obesity And Eating Disorders**

[3 credit hours]

Examines the issues of obesity and eating disorders. Consideration of effects on the individual as well as the public health implications. Explores causes, health and emotional impact, and treatment approaches.

**Prerequisites:** HEAL 2800 with a minimum grade of D-**Term Offered:** Summer, Fall**HEAL 4800 Public Health Research And Statistics**

[3 credit hours]

An examination of research and statistical techniques commonly employed in the health field. Topics will include research design, ethics of research, hypothesis testing and critiques of published research in health journals.

**Prerequisites:** HEAL 2750 (may be taken concurrently) with a minimum grade of B- and HEAL 3600 with a minimum grade of B-**Term Offered:** Spring**HEAL 4900 Health Education Seminar**

[1-3 credit hours]

Seminars are developed around selected topics of interest and allow in-depth consideration of the subject. They provide the student with advanced study in the area.

**Term Offered:** Spring, Summer, Fall

**HEAL 4940 Senior Field Experience**

[6 credit hours]

Provides students the opportunity to develop the competencies necessary to assume responsibilities as an entry-level public health specialist through on-site work experiences in a public health agency, organization, or industry. Students will work under direct supervision of the agency's staff and a University supervisor.

**Prerequisites:** HEAL 2940 with a minimum grade of D- and HEAL 4100 with a minimum grade of D- and HEAL 4800 with a minimum grade of D-

**Term Offered:** Spring, Summer, Fall

**HEAL 4960 Political Determinants of Health**

[3 credit hours]

An examination of the political determinants of health, that is, the upstream political forces and policy decisions that are the causal sources of the social conditions that lead to health inequities. This course introduces the importance of power, politics, advocacy, and policy in public health. Students will learn models of health equity and the political determinants of health and apply these to contemporary case studies with particular attention to the health effects of racism.

**Term Offered:** Spring, Fall

Multicultural US Diversity

**HEAL 4990 Independent Study In Health Education**

[1-3 credit hours]

Directed individual study. Specialty title, seminar sheet and permission of instructor are required.

**Term Offered:** Spring, Summer, Fall

**HIM 2210 Medical and Pharmacological Terminology**

[3 credit hours]

Provide the student with a solid working knowledge of the medical language and basic pharmacology, especially the vocabulary and terminology used in medical coding, classification systems, and ancillary care.

**Term Offered:** Spring, Fall

**HIM 2230 Healthcare Document Requirement**

[3 credit hours]

Inpatient and ambulatory health care data requirements will be identified and analyzed, including collection, analysis, and implementation.

This course also includes aspects related to medical staff, personnel requirements, licensing, certifying, and accrediting agencies.

**Term Offered:** Spring, Fall

**HIM 2260 Legal Issues in HIM**

[2 credit hours]

This course covers overview of the US legal system, identification of laws and regulations applicable to healthcare topics and related the health information management. Hardcopy and electronic health record legal issues examined in detail.

**Term Offered:** Spring, Fall

**HIM 2300 Healthcare Resources, Payers**

[3 credit hours]

Introduction to roles of professionals in meeting standards of regulatory agencies and voluntary organizations in healthcare delivery systems.

Data collection, quality, access, retention, technology and impact on healthcare financing.

**Term Offered:** Spring, Summer, Fall

**HIM 2310 Acute Care Clinical Classification Systems And Services**

[4 credit hours]

Principles of coding disease conditions and procedures using the International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM) and 10th Revision Procedure Classification System (ICD-10-PCS) are covered. Manual and computerized methods will be utilized to assign codes following Official Coding Guidelines required for reporting data.

**Prerequisites:** (KINE 1460 with a minimum grade of C or EXSC 1460 with a minimum grade of C and KINE 1560 with a minimum grade of C or EXSC 1560 with a minimum grade of C and KINE 2580 with a minimum grade of C or EXSC 2580 (may be taken concurrently) with a minimum grade of C) and (HIM 2210 with a minimum grade of C and HIM 2230 with a minimum grade of C)

**Term Offered:** Fall

**HIM 2320 Ambulatory Clinical Classifications Systems And Services**

[4 credit hours]

Principles of coding with the Healthcare Common Procedure Coding System (HCPCS) are discussed, and the assignments of codes using both manual and computerized methods are practiced.

**Prerequisites:** HIM 2210 with a minimum grade of C and (KINE 1460 with a minimum grade of C or EXSC 1460 with a minimum grade of C and KINE 1560 with a minimum grade of C or EXSC 1560 with a minimum grade of C)

**Term Offered:** Spring

**HIM 2350 Reimbursement Methodologies**

[2 credit hours]

MS-DRGs, APCs, RBRVS, and other reimbursement methods used by federal, state, and private insurance carriers are identified and reviewed. Compliance issues, including coding, billing, and chargemaster accuracy are identified and reviewed. Case mix and its implications for providing and improving healthcare quality also discussed.

**Prerequisites:** HIM 2310 with a minimum grade of C and HIM 2320 with a minimum grade of C

**HIM 3240 Health Information Administration Practices**

[4 credit hours]

Management theory and principles related to health information management in the acute and non-acute care environments are examined. Business techniques beneficial to health information administrators are identified and analyzed. Management theory and principles related to administration of healthcare service organizations are examined. Focus on strategic planning, accreditation/licensure, marketing, and institutional issues.

**Prerequisites:** BUAD 1020 with a minimum grade of D- and HIM 2300 with a minimum grade of C

**Term Offered:** Spring, Fall

**HIM 3940 Healthcare Content and Record Management**

[4 credit hours]

Generalized health information administrative duties in regards to staffing, managing, record release, storage and retrieval, coding, abstracting, utilization management, quality improvement, computer applications in health information practice.

**Prerequisites:** HIM 3240 with a minimum grade of C

**Term Offered:** Spring, Fall

**HIM 4210 Healthcare Statistics, Registries, Research**

[4 credit hours]

Theory of healthcare statistics will be reviewed and students will apply practical application of statistical methods used in healthcare to produce reports. Surveillance mechanisms, including database management used in registries to track various disease processes or injuries will be investigated and researched.

**Prerequisites:** MATH 2600 (may be taken concurrently) with a minimum grade of D-

**Term Offered:** Spring, Summer, Fall

**HIM 4230 Compliance and Ethical Issues**

[3 credit hours]

This course presents an overview of the compliance and ethical issues facing the health care industry. The importance of corporate compliance programs and standards, policies, and procedures healthcare organizations should have in place to assure compliance with government funded programs will be the focus of the course. Senior standing status required.

**Term Offered:** Spring, Fall

**HIM 4300 Performance Improvement and Quality Outcomes in Healthcare**

[3 credit hours]

This course encompasses the philosophy and purposes of quality improvement methods in health care organizations through application of tools for data collection, data analysis, and problem resolution. Continuous monitoring and performance improvement (PI) methods are investigated and applied to the management and evaluation of PI programs, the review of PI outcomes and implementation of action plans.

**Prerequisites:** INFS 3250 with a minimum grade of D- and CMPT 2460 with a minimum grade of D- and CMPT 1420 with a minimum grade of D-

**Term Offered:** Fall

**HIM 4500 Health Informatics & Information Management**

[4 credit hours]

This course introduces students to informatics as it applies to healthcare. Healthcare information systems are identified and the importance of the technology and its effect on healthcare delivery, communication, confidentiality, financing, and education are examined. An introduction to key medical areas in which computers are used will be discussed.

**HIM 4910 Integrative Capstone Experience**

[4 credit hours]

The course consists of a demonstration of proficiencies and competencies in Health Information Administration (HIA) core courses and an extensive examination of the cognitive levels required to pass the national Registered Health Information Administration (RHIA) exam and to become an effective healthcare information supervisor. Senior standing and instructor permission required.

**Term Offered:** Spring, Fall

**HIM 4940 Professional Practice Experience**

[4 credit hours]

Specialized administrative assignment within health information management in a facility, agency or organization. Students submit a major project for the site and members of the related HIM community of practice. Senior standing and instructor permission required.

**Prerequisites:** HIM 3240 with a minimum grade of C

**Term Offered:** Spring, Summer, Fall