

# HEALTH SCIENCE (HSCI)

---

**HSCI 400S. FOUNDATIONS OF PUBLIC HEALTH. 3 Credits.**

**Cross-listed:** CMSD 400S, DNHY 400S.

**Pre-requisites:** acceptance into Communication Sciences, Dental Hygiene, or Health Science programs.

This course introduces students to the fundamentals of public health. A particular focus is on the determinants of health, health inequalities, and cultural issues in public health.

**HSCI 401S. INTRODUCTION TO EPIDEMIOLOGY. 3 Credits.**

**Cross-listed:** DNHY 401S.

**Pre-requisites:** declared in the Dental Hygiene or Health Science programs.

This course introduces students to the fundamentals of epidemiology. A particular focus is on quantitative methods in epidemiology and disease causation, transmission and surveillance.

**HSCI 402S. CURRENT ISSUES IN THE HEALTH ARENA. 3 Credits.**

**Cross-listed:** CMSD 402S, DNHY 402S.

**Pre-requisites:** acceptance into Communication Sciences, Dental Hygiene, or Health Science programs.

This course is designed to respond to the changing health environment and identifies current topics and issues as discussion foci.

**HSCI 403S. ESSENTIALS OF PROCESS IMPROVEMENT. 3 Credits.**

**Pre-requisites:** declared major or minor Health Science.

This course introduces students to the basics of process improvement. The course focuses in particular on quality and process improvement in the health sciences.

**HSCI 467S. CAREER STRATEGIES. 1 Credit.**

**Cross-listed:** DNHY 467S.

**Pre-requisites:** acceptance into Dental Hygiene or Health Science.

Students explore alternate career paths and essential skills needed to create a professional development plan related to the diverse roles of the allied health professional.

**HSCI 469S. APPLIED STATISTICS AND EVIDENCE-BASED DECISION MAKING FOR THE HEALTH SCIENCES. 4 Credits.**

**Cross-listed:** DNHY 469S.

**Pre-requisites:** acceptance into Dental Hygiene or Health Science program. Quantitative and Symbolic Reasoning proficiency required.

Integration of applied statistics, critical appraisal of research, clinical expertise and client values are examined to formulate evidence-based decisions in providing effective healthcare.

**HSCI 471S. PRINCIPLES OF RESEARCH AND SCIENTIFIC WRITING. 4 Credits.**

**Cross-listed:** DNHY 471S.

**Pre-requisites:** acceptance into Dental Hygiene or Health Science program.

Basic principles of research and the facilitation of the development of analytical skills for evaluation of professional research culminating in the writing of a scientific research report.

**HSCI 487S. PRINCIPLES AND POLICIES OF HEALTHCARE MANAGEMENT. 3 Credits.**

**Cross-listed:** CMSD 487S, DNHY 487S.

**Pre-requisites:** acceptance into Communication Sciences, Dental Hygiene, or Health Science programs.

Management and policy creation for healthcare programs and businesses, specific disciplines in healthcare are discussed according to student needs.

**HSCI 488S. RELATIONSHIP, ETHICS AND COMMUNICATION IN HEALTHCARE. 3 Credits.**

**Cross-listed:** CMSD 488S, DNHY 488S.

**Pre-requisites:** acceptance into Communication Sciences, Dental Hygiene, or Health Science programs.

Overarching themes of cultural diversity and global perspectives are employed in the application of theories and concepts of relationship building, ethics and communication for the healthcare provider.

**HSCI 490S. HEALTH SCIENCE SENIOR CAPSTONE. 3 Credits.**

**Pre-requisites:** admission to Health Science Program.

**Satisfies:** a university graduation requirement—senior capstone.

This course incorporates the major learning themes of the health science curriculum resulting in a student-generated culminating capstone project.

**HSCI 491S. FOUNDATIONS OF HEALTHCARE EDUCATION. 5 Credits.**

**Cross-listed:** DNHY 491S.

**Pre-requisites:** acceptance into Dental Hygiene or Health Science program.

A foundation course providing fundamental theories, teaching strategies and applications in education and leadership.

**HSCI 492S. EDUCATION/HEALTH PROMOTION PRACTICUM. 3 Credits.**

**Cross-listed:** DNHY 492S.

**Pre-requisites:** DNHY 491S or HSCI 491S.

A practicum experience in didactic, clinical or laboratory instruction integrating leadership, professionalism, ethics, educational theories and teaching strategies, with a focus on assessment and evaluation.

**HSCI 494S. MYTHOLOGY, FOLKLORE AND HEALTHCARE. 4 Credits.**

**Cross-listed:** DNHY 494S.

**Pre-requisites:** ENGL 201, acceptance into Dental Hygiene or Health Science program.

A course offering historical and diverse perspectives on health based on folklore and mythology.

**HSCI 495S. PRIOR LEARNING PORTFOLIO DEVELOPMENT. 2 Credits.**

**Pre-requisites:** admission to the Bachelor of Science in Health Science.

This course provides students with the theory of prior learning assessment and eportfolio development to document for prior learning assessment. Significant prior learning is documented via student eportfolio development for evaluation and awarded elective academic credit.

**HSCI 496S. EXPERIMENTAL. 1-5 Credits.**

**HSCI 499S. INDEPENDENT STUDY. 1-4 Credits.**

Independent Study.