

# HEALTH INFORMATICS AND INFORMATION MANAGEMENT

MASTER OF SCIENCE

DEPARTMENT OF COMPUTING AND SECURITY

COLLEGE OF ENGINEERING AND SCIENCE

## DELIVERY METHOD

100% online

## START TERMS

Fall, Winter, or Spring

## COMPLETION TIME

12 months (full-time)

24 months (part-time)

## NUMBER OF CREDITS

30 credits

## OPPORTUNITY TO EARN A

### CERTIFICATE

Data Science

Health Informatics

Between 2020 - 2030,  
the BLS projects a  
32% growth rate  
and 139,000 jobs in  
Medical and Health  
Management Fields

**SlipperyRock**  
University

A member of Pennsylvania's State System  
of Higher Education

EXPERIENCE THE DIFFERENCE

[www.sru.edu/graduate](http://www.sru.edu/graduate)

## ABOUT THE PROGRAM

The Affordable Care Act has forced the health care industry to become more data driven. Hospitals and insurance companies have implemented electronic health record systems and are building massive data marts. The widespread use of technologies will continue to create demand for experts with knowledge of health information management and health informatics.

The mission of the Master of Science Health Informatics and Information Management (MSHIIM) program at SRU is to educate outstanding professionals and provide them with the necessary skills for managing healthcare information system, acquiring, analyzing, and interpreting healthcare data, apply best practices for protecting patients' information. The MSHIIM program prepares individuals who are interested in contributing to healthcare using information systems, technologies, and resources to accomplish the objectives and needs of the healthcare environment. The program prepares individuals who are interested in a career option in MSHIIM and become experts in collecting, managing, analyzing, interpreting, auditing, coding, and securing healthcare data. Students will have the opportunity to learn about distinct and interdisciplinary areas such as informatics, healthcare quality, health information vocabularies, clinical terminologies, financial management, database systems, data mining and analytics, healthcare ethics, law, privacy and information assurance, and leadership.

Graduates from the MSHIIM program will have the opportunity to find a career in various settings such as analytics, database management, general health services, health finance, health quality, billing services, health information systems industry, health education, and health information standards and policy development. Career options include, but not limited to, health informatics specialist/consultant, clinical data analyst, health information manager, medical coding and billing specialist, clinical informatics analyst, privacy and compliance officer, quality improvement analyst, public health informatics specialist, information security and governance specialist.

According to the Bureau of Labor Statistics, many job openings are expected to result from the need to replace workers who change their career path to different occupations or exit the labor force, such as to retire. While the emphasis of the program is health informatics and information management, the skills learned in the program is readily transferable to other areas of health administration.

## PROGRAM HIGHLIGHTS

Slippery Rock University's Master of Science in Health Information Management offers:

- A 30-credit program that can be completed in 12-24 months
- Flexibility – courses taught 100% online
- Interdisciplinary instruction in healthcare, technology, healthcare administration and business management
- A curriculum that reflects the current industry standards and principles
- Expert faculty with earned doctorates

## ADMISSION REQUIREMENTS

All applicants must submit the following materials along with a completed online graduate application and non-refundable application fee:

1. Official transcript(s) from an accredited baccalaureate granting institution and official graduate transcripts (if applicable)
2. Bachelor's degree with a GPA of 3.0 or higher in a health care, information systems, business, science, information technology or a related discipline (students with a GPA below 3.0 may apply for conditional admission)

## TUITION & ASSISTANTSHIPS

Information on current tuition and assistantships can be found on the main Graduate Admissions website at [www.sru.edu/graduate](http://www.sru.edu/graduate). Financial Aid brochures are available through the Financial Aid Office [www.sru.edu/FinAid](http://www.sru.edu/FinAid) or in the Office of Graduate Admissions.

CURRICULUM TO CREDITS

## FULL-TIME - ONE YEAR

FULL-TIME - TWELVE MONTHS	
FALL	WINTER
CPSC 602: Intro to Health Informatics CPSC 605: Data Mining and Data Analysis HIM 605: Health Information Vocabularies and Clinical Terminologies HIM 630: Healthcare Quality Management and Documentation Improvement	HIM 620: Financial Management for Health Professionals
SPRING	SUMMER
MIS 603: Healthcare Information Systems CPSC 620: Healthcare Ethics, Law, Privacy, and Information Assurance CPSC 623: Database Systems, Modeling and Security HIM 645: Leadership for Health Systems	HIM 650: Applied Research OR CPSC 720: Health Informatics Capstone OR CPSC 750: Informatics Internship

PART-TIME - TWO YEARS	
FALL - YEAR 1	WINTER - YEAR 1
CPSC 602: Intro to Health Informatics HIM 605: Health Information Vocabularies and Clinical Terminologies	HIM 620: Financial Management for Health Professionals
SPRING - YEAR 1	SUMMER - YEAR 1
MIS 603: Healthcare Information Systems CPSC 623: Database Systems, Modeling and Security	
FALL - YEAR 2	WINTER - YEAR 2
CPSC 605: Data Mining and Data Analysis HIM 630: Healthcare Quality Management and Documentation Improvement	
SPRING - YEAR 2	SUMMER - YEAR 2
CPSC 620: Healthcare Ethics, Law, Privacy, and Information Assurance HIM 645: Leadership for Health Systems	HIM 650: Applied Research OR CPSC 720: Health Informatics Capstone OR CPSC 750: Informatics Internship



### FOR QUESTIONS ABOUT ACADEMICS AND COURSE SCHEDULING:

Dr. Abdullah Wahbeh  
 Graduate Coordinator  
 256 Advanced Technology and Science Hall  
 724.738.4527  
 abduallah.wahbeh@sru.edu

### FOR QUESTIONS ABOUT ADMISSIONS:

Office of Graduate Admissions  
 104 North Hall, Welcome Center  
 Slippery Rock, PA 16057  
 www.sru.edu/graduate  
 724.738.2051 or 877.SRU.GRAD  
 graduate.admissions@sru.edu

The educational policies and procedures are continually being reviewed and changed in keeping with the mission of the university. Consequently, this document cannot be considered binding and is intended to be used as only an informational guide. Students are responsible for being informed of official policies and regulations for meeting all appropriate requirements.