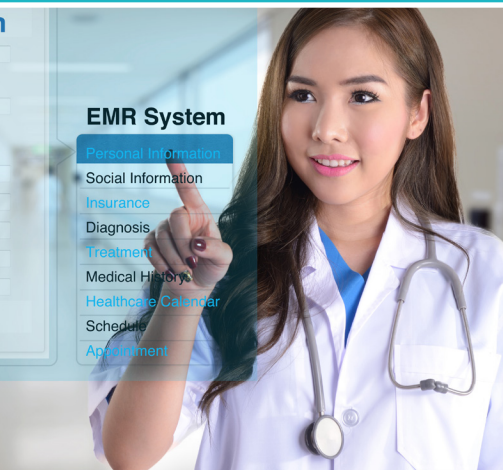


# HEALTH INFORMATICS

MASTER OF SCIENCE  
COLLEGE OF HEALTH, ENGINEERING AND SCIENCE  
SCHOOL OF SCIENCE

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



## ABOUT THE PROGRAM

Health informatics specialists work in a healthcare institution to establish and maintain the information technology systems within the organization. This involves ensuring that the systems comply with company policies, regulations, and the healthcare laws. Specialists are involved with researching technology systems, planning for the implementation of the chosen system, and analyzing data using data mining processes. The majority of the health informatics specialist positions are in leadership roles that work as a liaison between corporate data management and technology departments to store, retrieve, process and analyze data using the latest hardware and software systems.

By 2020, labor markets project, that there will be a spike by 28% for data analytics personnel, which are those individuals with the programming, modeling, and analysis skills needed to make use of data analytics and Big Data. Between 2015 and 2025, the United States Health Care and Social Assistance industry is expected to add over 36,000 new jobs in these fields, representing a growth rate of 22%, faster than the average of 12% for all occupations in the economy. Market research projects that in 2025, almost 1 in 5 workers in the 150-mile region around SRU will work in the health care and social assistance industry, accounting for more than 17% of regional employment. The national trend is very similar: the industry is expected to make up 14% of the national economy in 2025. This industry is very large and its workforce needs are comparably large.

Slippery Rock University's Master of Science in Health Informatics, offered by the College of Health, Environment, and Science, prepares students to meet the growing demand for highly trained health informatics professionals. The program is interdisciplinary and can be completed in 10 months. The program can be started in any of the terms: Fall, Winter, Spring or Summer. In order to complete the program in 10 months, the student will have to start in the Fall term.

## PROGRAM HIGHLIGHTS

SRU's Master of Science degree in Health Informatics offers:

- 100% online courses and can be completed in 10 months, if started in Fall term
- Interdisciplinary instruction in healthcare, technology, data analytics and Big Data
- A curriculum that reflects the current industry standards and principles
- Expert faculty with earned doctorates
- Faculty/student research
- Apply any time - Fall, Winter, Spring or Summer session

## ADMISSION REQUIREMENTS

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

1. Bachelor's degree with a GPA of 3.00 or higher in a computer science, technology, nursing, or health-related major (students with a GPA below 3.00 may apply for conditional admission).
2. Official undergraduate transcript from the applicant's baccalaureate granting institution and graduate transcripts (if applicable).
3. Applicants not satisfying the entry requirements above may apply for conditional admission for up to two semesters with the approval of the program director.

To ensure program currency, students must complete all degree requirements within 4 years with an overall GPA of 3.00, or make special arrangements with the department chairperson.

## PROGRAM AWARDS



SlipperyRock  
University

A member of Pennsylvania's State System  
of Higher Education

EXPERIENCE THE DIFFERENCE

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

**CURRICULUM**

SRU's Master of Science in Health Informatics consists of eleven courses; three credits each, including a capstone or internship course:

**FULL-TIME - ONE YEAR**

<p><b>FALL I</b></p> <p>CPSC 602: Intro to Health Informatics CPSC 605: Data Mining and Data Analytics HLTH 631: Foundations of Public Hlth HLTH 628/ STAT 603: BioStatistics for Public Health/Statistical Methods</p>	<p><b>WINTER I</b></p> <p>HLTH 605: Health Services Administration</p>
<p><b>SPRING I</b></p> <p>CPSC 620: Healthcare Ethics, Law, Privacy and Information Assurance CPSC 623: Database Systems, Modeling and Security CPSC 685: Big Data Analytics CPSC 688: Software Engineering and Project Management</p>	<p><b>SUMMER I</b></p> <p>CPSC 606: Data Visualization CPSC 720: Health Informatics Capstone Course OR CPSC 750: Informatics Internship</p>

**PART-TIME - TWO YEARS**

<p><b>FALL - Year 1</b></p> <p>CPSC 602: Intro to Health Informatics CPSC 605: Data Mining and Data Analytics</p>	<p><b>WINTER - Year 1</b></p> <p>HLTH 605: Health Services Administration</p>
<p><b>SPRING - Year 1</b></p> <p>CPSC 620: Healthcare Ethics, Law, Privacy and Information Assurance CPSC 623: Database Systems, Modeling and Security</p>	<p><b>SUMMER - Year 1:</b></p> <p>CPSC 606: Data Visualization</p>
<p><b>FALL - Year 2</b></p> <p>HLTH 628/ STAT 603: BioStatistics for Public Health/Stat Methods HLTH 631: Foundations of Public Health</p>	<p><b>WINTER - Year 2</b></p> <p>No class</p>
<p><b>SPRING - Year 2</b></p> <p>CPSC 685: Big Data Analytics CPSC 688: Software Engineering and Project Management</p>	<p><b>SUMMER - Year 2</b></p> <p>CPSC 720: Health Informatics Capstone Course OR CPSC 750: Informatics Internship</p>

**TUITION AND 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 the Office of Graduate Admissions.

**TESTIMONIALS**

*"The Health Informatics program at Slippery Rock University is a great program. If you come from the clinical side in health care, it will teach you a lot that isn't known yet. I feel that after taking this program, I feel comfortable going into the industry and working."* RYANNE LYFORD, SRU graduate '18

*"The diversity of instructor backgrounds and expertise provides an engaging and interactive learning environment. The curriculum mixture directly relates to the challenges faced in the changing healthcare industry. The online format provided the flexibility to work full-time and maintain family relationships all while succeeding at school. All of these elements combined to create an amazing learning experience that has already had an immense impact on my career."* MICHAEL C. KEYES, MSHI, SRU graduate '18, Senior Business Intelligence Developer, Analytics & Transformation Manager

*"I have been a nurse for 20 years, and decided to make a career change. I chose the Master's program in health informatics because I wanted to gain knowledge in the technical aspect of the healthcare industry. I found the program to be challenging, yet rewarding at the same time. I was able to apply my nursing experience and knowledge in many of the classes that were offered in the program."* ALLISON RICHEY, SRU graduate '18

*"Having worked in a healthcare setting previously, wanting to shift direction in my career and knowing that I enjoy working with computers, I looked into the Health Informatics Master's program at SRU. The online program fit perfectly with my busy schedule as a stay at home mom and being able to complete the program within 10 months was right on track with the time frame I was looking for. The courses in this program offered exposure to many different aspects of healthcare data analysis, data visualization and the utilization of various software suites. The professors are not only knowledgeable, but also very approachable. I speak from experience when saying this is definitely a growing field. I was offered a position as a data analyst immediately following graduation. I am pleased to say that I have been able to apply the knowledge I gained from this program to my career with a healthcare insurer each day."* JOANNA BIENIEK, SRU graduate '18

*"After 15 years working in various IT positions and wanting to diversify my skills, I found that the Health Informatics program was a perfect fit for me. The online format was perfect for my busy schedule, and allowed plenty of flexibility to accommodate a balance between family, working full-time, military obligations, and volunteer work. The faculty was very understanding of my military service and was extremely helpful when deadlines were tight as a result. I found the coursework to be challenging, but fully prepared me for working in the field upon graduation. The curriculum is on par with today's ever-changing healthcare industry. I would absolutely recommend the MSHIM to anyone interested in furthering their knowledge of technology and healthcare."* JON TOMKO, SRU graduate '19

**FOR QUESTIONS ABOUT ACADEMICS AND COURSE SCHEDULING:**

Dr. Abdullah Wahbeh  
Graduate Coordinator  
256 Advanced Technology and Science Hall  
724.738.4527  
abdullah.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.