Are you interested in leading healthcare into the digital age?

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 law. 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 2018, labor markets project, that there will be a shortage of 190,000 data analytics personnel, which are those individuals with the programming, modeling, and analysis skills needed to make use of 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 percent, 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 percent of regional employment. The national trend is very similar: the industry is expected to make up 14 percent 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 starts in the fall term only for full-time students. Part-time students can start classes any term.

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

- 100% online courses and can be completed in 10 months
- Interdisciplinary instruction in healthcare, technology, and data analytics
- A curriculum that reflects the current industry standards and principles
- Expert faculty with earned doctorates

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

- CPSC 602: Introduction to Health Informatics
- CPSC 620: Healthcare Ethics, Law, Privacy and Information Assurance
- HLTH 605: Health Services Administration
- HLTH 631: Foundations of Public Health
- HLTH 628/MATH 603: Biostatistics for Public Health/Stat Methods
- CPSC 623: Database Systems, Modeling and Security
- CPSC 605: Data Mining and Data Analysis
- CPSC 606: Data Visualization
- CPSC 685: Big Data Analytics
- CPSC 688: Software Engineering and Project Management
- CPSC 720: Health Informatics Capstone Course OR CPSC 750: Informatics Internship

All applicants must submit the following materials along with the completed application form 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 3.0 may apply for conditional admission).
2. Official transcripts from an accredited undergraduate institution
3. Applications 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 3.0, or make special arrangements with the department chair.