ABOUT THE PROGRAM
Clarkson’s MS in healthcare data analytics combines healthcare management with data acquisition and mining, analytics, business intelligence and statistics, all in the context of the healthcare arena. Offered online, with two on-site, three-day residency sessions, the program gives graduates marketable skills in the most desirable areas for high-demand jobs in healthcare.

CURRICULUM (12 courses, 36 credits)
Many students complete the preliminary courses as part of their undergraduate study. Transcripts will be evaluated and preliminary courses may be waived based on educational background. For students who need to complete the preliminary courses, these courses are offered online, on demand and at a discounted tuition rate. Students may begin the MS program before completing the preliminary courses; they may take the preliminary courses while taking the MS courses.

All students must complete and/or have waived the required core courses. Course waivers and transfers combined must not exceed two courses.

*Residency requirements: Online students are required to participate in three onsite sessions. Each is three days long (Friday-Sunday). These residencies typically occur in September and April of each year. Students take any three elective courses.

PRELIMINARY COURSES
ISS01 Mathematics of Management
ISS02 Introduction to Probability

REQUIRED CORE COURSES
(9 courses, 27 credits)
HC600 Introduction to Healthcare Systems
HC657 Healthcare Leadership Proseminar*
HC610 Healthcare Accounting and Finance
HC642 Data Analytics and Business Intelligence in Healthcare
HC648 Health Informatics
HC643 Advanced Application of Healthcare Data Analytics (Capstone Course)*
HC647 Statistical Foundations of Data Analytics
HC602 Advanced Statistics and Data Visualization
HC603 Data Architecture

ELECTIVE COURSES
(3 courses, 9 credits)
HC604 Hospital Analytics
HC606 Payer Analytics
HC601 Swiss Healthcare Study/Tour
HC607 Healthcare Operations Research
HC609 Healthcare CRM