

## Sample Course Sequence

### SEMESTER-1 (9 CREDITS)

- Introduction to Healthcare Analytics
- Programming Tools and Techniques in Data Management
- Research Methods

### SEMESTER-2 (9 CREDITS)

- Leveraging Data for Evidence-Based Decision Making
- Predictive Data Analytics
- Healthcare Delivery Systems

### SEMESTER-3 (6 CREDITS)

- Data Mining and Machine Learning
- Elective

*Students will choose one of the elective courses depending on their individual needs.*

### SEMESTER-4 (6 CREDITS)

- Practicum Project

Total: 30 credit hours



### FOR MORE INFORMATION

[www.evms.edu](http://www.evms.edu)

### HEALTHCARE ANALYTICS

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**EVMS**  
Eastern Virginia Medical School



[www.evms.edu/mha](http://www.evms.edu/mha)



# MASTER OF HEALTHCARE ANALYTICS

**EVMS**  
Eastern Virginia Medical School

## About the Program

*The Master of Healthcare Analytics is designed to provide students with technical and analytical skills used to integrate, analyze, and translate the results of health data.*

Healthcare Analytics encompasses the technical and analytical skills used to analyze and interpret data obtained from areas within healthcare such as claims and cost data, clinical trials data, data from research development, and patient behaviors. Students will be trained in data mining, data management, data processing, advanced statistics, and machine learning. Through the use of statistical methods, retrospective performance measures, predictive modeling, and computer optimization, healthcare analytics can offer insights to better outcomes in regulatory compliance, quality improvement, clinical decision support, population health management, and healthcare delivery.

## Curriculum and Course Delivery

The curriculum provides students with a practical learning experience through application of various statistical methods to solve real-life health and life science analytics problems. Students will be provided unique opportunities to learn and practice analytic methods applied particularly to health data, with basic and advanced skills in data mining, statistics, and database processing.



## Admission Requirements

- A Baccalaureate degree from an accredited college or university with a competitive GPA (minimum 3.0 on a 4.0 scale).
- Two letters of reference.
- A personal statement outlining the applicant's academic and professional goals.

As part of a holistic review process, additional consideration will be given for appropriate work experience in a health-related field.

## Application Procedure

- All candidates must submit the following:
- Completed online application form
  - Nonrefundable \$60 application fee
  - Official transcripts of all coursework
  - Resume or Curriculum Vitae with health related experience listed (if any)
  - International students must submit TOEFL scores and have transcripts translated and evaluated by a third party (ECE or WES)

Official transcripts and other supporting documentation must be sent to:

Office of Admissions & Enrollment  
School of Health Professions  
Eastern Virginia Medical School  
P.O. Box 1980  
Norfolk, 23501-1980