



Post-Baccalaureate Certificate or Pre-Baccalaureate Certificate

## 21<sup>st</sup> Century Analytics for Trauma Centers Certificate

• CIP code 510701 • 15 credits • 

**Program Description** — The 21<sup>st</sup> Century Analytics for Trauma Centers Certificate program provides participants with basic and fundamental knowledge in quantitative and qualitative analytics, data visualization and data management concepts as it applies to healthcare and trauma center information. This program is designed for individuals who work with trauma center data and or healthcare information such as trauma registrars, trauma program managers, trauma medical directors and researchers.

Content will include current American College of Surgeons (ACS) National Trauma Data Standards (NTDS) and will adapt to continuing changes in data standards and key performance indicators for trauma centers. This certificate program is designed to develop data management and analytical skills and knowledge to prepare students for improved management performance, increased advancement opportunities, and more effective leadership in trauma centers. Each course will reflect current content knowledge in data and analytics with an enhanced emphasis on its application in trauma and additional healthcare settings.

This program is offered remotely with a blend of asynchronous and synchronous online courses.

**Learning Outcomes** — Graduates of the program will be able to demonstrate critical thinking and problem solving skills through the use of statistical and analytical solutions and visualizations as they are applied to trauma center and other healthcare related data.

**Careers** — Trauma Registrars, Trauma Program Managers, Trauma Medical Directors, and Researchers.

### Courses ..... 15 credits

MMG 506	Quantitative Analysis for Managers	.....3
MMG 525	Statistical Decision Techniques for Managers	.....3
MMG 603	Data Exploration and Visualization	.....3
MHC 730	Health Care Information Systems	.....3
MHC 733	Data, Knowledge and Information Management in Health Care Informatics	.....3

**Admission requirements:** High school diploma/GED and other School of Management requirements (see Admissions) including:

- Current résumé.
- Official transcripts
- Personal statement
- Interview

Certification in Trauma Registry preferred but not required.

Determination of credit type awarded (undergraduate, graduate, or post graduate) will be made by the program chair and dean upon review of the application, accompanying curriculum vitae or resume, and depending on each student's current experience, credentials and previous academic degrees.

**Program chair:** Sandra Arabian, MBA, NREMT, CSTR, CAISS

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