Graduate Certificate in Healthcare Systems Engineering

According to a recent report from the Partnership for Michigan's Health, health care is Michigan's largest private-sector employer, providing 515,700 direct jobs and more than 278,000 related jobs. This Healthcare Systems Engineering Certificate focuses on designing and improving the safety, cost, efficiency, and quality of health care processes and systems. As an industrial engineer specializing in health care systems, you may be involved in improving scheduling and sequencing, operational control, and overall quality management. In response to this growing trend, Lawrence Tech's Graduate Certificate in Healthcare Systems Engineering is designed to prepare individuals to work within the healthcare industry. This 15-credit program consists of five three-credit courses related on healthcare systems.

Curriculum Courses	Credit Hours
Required EME 6403 Quality Control	3
Any 4 Healthcare Systems Courses EME 6843 Healthcare Systems Engineering, 3 cr. EME 6853 Healthcare Operations Analysis, 3 cr. EME 6863 Healthcare Information Systems, 3 cr. EME 6873 Healthcare Human Factors, 3 cr. EME 6883 Healthcare Economics, 3 cr. EME 6893 Logistics in Healthcare Systems, 3 cr.	12
TOTAL CREDIT HOURS	15

The credits earned for the Graduate Certificate in Healthcare Systems Engineering can be applied to the Master of Science in Industrial Engineering, which can be earned with 15 additional credits.

Admission Requirements

Applicants to the Graduate Certificate in Healthcare Systems Engineering program must:

- Hold an undergraduate degree in engineering, science, math, computer science, or physical science (or other technical field) from an accredited college or university. Individuals with a degree in a non-engineering field may be required to take prerequisite course work.

- Provide three letters of recommendation, preferably from employers and former professors.

- Provide official transcripts of all completed college work.

- Provide a resume, documenting professional experiences and relevant extracurricular activities.

- Submit a completed graduate application form.

For more information, contact

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