

The Master of Science Program in Healthcare Systems Management*



Department of Mechanical and Industrial Engineering
Newark College of Engineering

New Jersey Institute of Technology

WHY PURSUE AN MS DEGREE IN HEALTHCARE SYSTEMS MANAGEMENT?

Healthcare management is one of today's most dynamic and growing fields, with a wide range of opportunities and challenges. U.S. healthcare expenditures amounted to \$1.8 trillion in 2004, representing 15% of the GDP and making healthcare the largest industry in the United States. The healthcare environment is increasingly competitive and financially driven. As described in a report released by the National Academy of Engineering, tremendous advances need to be made to transform healthcare systems by efficiently and creatively integrating proven systems engineering approaches and methods, advanced information technologies, new care delivery technologies, and biomedical technologies.

WHY STUDY HEALTHCARE SYSTEMS MANAGEMENT AT NJIT?

NJIT has extensive experience in educating technically trained individuals for leadership roles in a technologically-based enterprise. Home to one of the first graduate programs in Engineering Management in the nation, NJIT offers an educational experience that combines the unique capabilities of Newark College of Engineering and the School of Management.

WHAT DOES THE PROGRAM COVER?

The focus of the MS in Healthcare Systems Management is to train and educate graduates with contemporary knowledge related to the various components of a healthcare system. The program provides managers with the needed technical expertise for the efficient operation of healthcare facilities, including hospitals, nursing facilities, clinics, home care delivery and pharmacies. The curriculum is designed to introduce management concepts and tools for both reducing healthcare system costs and increasing the quality of healthcare. Examples of courses include Project Management, Introduction to Healthcare Delivery Systems, and Healthcare Performance and Quality Modeling.

WHO SHOULD ENROLL IN THE MS DEGREE IN HEALTHCARE SYSTEMS MANAGEMENT?

Individuals who have been working in a managerial track in a healthcare-related organization for two or more years, and who are now looking for additional skills to further the progress of their careers in the healthcare industry are prime candidates for the MS in Healthcare Systems Management program. Typically applicants are drawn from functions that require a strong analytical and technical background. Potential students could come from health insurance providers, medical research companies, large group medical practices, multi-hospital systems, community health centers, pharmaceutical firms, federal and state agencies, and healthcare consulting companies.

WHAT EMPLOYMENT OPPORTUNITIES EXIST FOR THOSE WHO EARN AN MS IN HEALTHCARE SYSTEMS MANAGEMENT?

Employment of medical and health services managers is expected to grow faster than average for all occupations through 2014, as the health care industry continues to expand and diversify. Job opportunities will be especially good in offices of health practitioners, general medical and surgical hospitals, home health care services, and outpatient care centers. Applicants with work experience in the health care field and strong business and management skills should have the best opportunities.

IS PART-TIME STUDY AVAILABLE?

The program can be pursued on a full- or part-time basis. Evening and late afternoon classes accommodate working professionals.

IS FINANCIAL AID AVAILABLE?

Financial support for full-time students in the MS program is extremely limited. Full-time domestic and international students may be eligible to receive the Provost Fellowship. For further information on financial aid, visit www.njit.edu/financialaid/graduate/index.php

NJIT students can also offset educational costs by participating in the Cooperative Education Program, which provides an opportunity to gain practical work experience in a professional environment. A co-op student works on a fulltime or part-time basis for a company that has agreed to hire, train, and pay the student during a specific co-op work cycle. www.njit.edu/CDS/studentervices/coop.htm

NJIT AT A GLANCE

- New Jersey's Science and Technology University, founded in 1881.
- Enrollment of just over 8,200 undergraduate and graduate students in six schools allows small-college intimacy with big university resources.
- 45-acre campus with a recently-completed \$83-million construction program featuring a new Campus Center.
- A *U.S. News and World Report* "Top National University" and a *Princeton Review* "Best College."
- Ranks 9th in the nation in diversity with students from more than 100 countries.
- 13:1 faculty-student ratio.

FOR FURTHER INFORMATION

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TO APPLY, CONTACT:

Graduate Admissions
800-925-NJIT
www.njit.edu/admissions/graduate/howtoapply/