

CAREERS OF ACHIEVEMENT, LIVES OF PURPOSE.

TECHNOLOGY PROFESSIONS

# Healthcare Informatics

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## Make your opportunity.

Hospitals, medical offices, health insurance plans, government healthcare providers and medical research facilities are all seeking to improve the delivery of patient care. That's where Healthcare Informatics comes in, focusing on the management, analysis and reporting of data and information.

Trocaire is the only school in the area that offers certificate, associate and bachelor's degrees in Healthcare Informatics.

A degree in Healthcare Informatics will not only positively impact your career, but also the lives of everyone you know. That's because by uncovering and translating all of those raw facts and figures, your work will directly improve healthcare for everyone.

## What does it take to succeed in this field?

If you're a self-motivated lifelong learner who loves making meaning out of data, you're ready to forecast tomorrow's healthcare trends.

## What careers will this degree prepare you for?

Healthcare is becoming more focused and so is the data for it. Whether you choose to work in the insurance or healthcare industry or the government sector, this is a career that will only grow in demand.

Some of the career opportunities for this degree include informatics analyst, informatics specialist, pharmacy informaticist, nutrition informaticist, nurse informaticist, informatics manager or even director of informatics.

## What are the admission requirements?

Trocaire College evaluates students using a holistic admissions review approach, which gives them the best opportunity to highlight their strengths and potential for success in the program. Students are evaluated based on academic metrics, experience and personal attributes.

- High school diploma with a minimum overall average of 80% or HSE (High School Equivalency) diploma
- High school courses in biology and algebra. Those lacking one or more of the high school courses must take a college equivalent course and receive a grade of at least 2.0. These courses must be taken prior to the start of the first semester or within the first semester of study
- A 2.0 GPA is required for transfer credit
- Official transcripts from all high schools and colleges and/or universities attended

The rise of Electronic Health Records (EHR) **increases the demand** for technicians to manage the data.

# Healthcare Informatics: Certificate Curriculum

**Degree Levels:** Certificate

**Time to Completion:** 12 months

**Time of Program:** Evening/Weekends

**Mode of Delivery:** On-site/Seated

Semester 1
Project Management
Healthcare Systems and Operations
Introduction to Healthcare Informatics
Healthcare Informatics Data Standards
Legal Aspects of Health Information
Quality Assurance and Improvement

Semester 2
Business Systems Analysis and Design in Healthcare
Clinical Decision Support Systems
Database Healthcare Management Systems
Healthcare Informatics Practicum
SQL for Data Analysis
Quantitative Research Methods

## Contacts:

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# Healthcare Informatics: Associate Curriculum

Degree Levels: Associate

Time to Completion: 24 months

Time of Program: Evening/Weekends

Mode of Delivery: On-site/Seated

## Semester 1

Information Technology I
Introduction to Computer Networking
English Composition
College Seminar or College Success
Introduction to Healthcare Informatics
Medical Terminology

## Semester 2

Essentials of Anatomy and Physiology
Essentials of Anatomy and Physiology Laboratory
Business Communications I
Healthcare Systems and Operations
Health Information Systems
Legal Aspects of Health Information
Logical Reasoning and Decision Making

## Semester 3

Advanced Composition
Health Statistics and Data Analytics
Healthcare Reimbursement
Statistics I
General Psychology

## Semester 4

Principles of Microeconomics
Healthcare Informatics Data Standards
Management Principles for Health Professionals
Quality Assurance and Improvement
Ethics in Health Care



The Bureau of Labor Statistics projects employment of healthcare professions to grow **18%** through 2026, much faster than the average for all occupations.

# Healthcare Informatics: Baccalaureate Curriculum

**Degree Levels:** Baccalaureate  
**Time to Completion:** 48 Months

**Time of Program:** Evening/Weekends  
**Mode of Delivery:** On-site/Seated

## Semester 1

Information Technology I
Introduction to Computer Networking
English Composition
College Seminar or College Success
Introduction to Healthcare Informatics
Medical Terminology

## Semester 2

Essentials of Anatomy and Physiology
Essentials of Anatomy and Physiology Laboratory
Business Communications I
Healthcare Systems and Operations
Health Information Systems
Legal Aspects of Health Information
Logical Reasoning and Decision Making

## Semester 3

Advanced Composition
Health Statistics and Data Analytics
Healthcare Reimbursement
Statistics I
General Psychology

## Semester 4

Principles of Microeconomics
Healthcare Informatics Data Standards
Management Principles for Health Professionals
Quality Assurance and Improvement
Ethics in Health Care

## Semester 5

Project Management
Statistics II
Business Systems Analysis and Design in Healthcare
Humanities Elective
Social Science Elective

## Semester 6

Healthcare Leadership and Change Management
Clinical Decision Support Systems
Research Methods: Techniques and Designs
Humanities Elective
Social Science Elective

## Semester 7

Database Healthcare Management Systems
Quantitative Research Methods
Epidemiology
Humanities Elective
Social Science Elective

## Semester 8

Healthcare Informatics Practicum
SQL for Data Analysis
Topics in Bioethics
Social Science Elective

In keeping with the mission, values and traditions of Trocaire College, all students **must complete at least one (1) Mercy Action Project learning experience prior to graduation.** MAP is a tuition-free, non-credit, value-added, co-curricular learning experience that provides service opportunities that integrate the College's mission through an action-reflection approach connecting service to your career path.

Immunizations/Physicals: Updated medical records from within one year of the start of the program are required and are to be submitted prior to the start of the semester.