Health Information Technology (HITHI and HITPA)

Health Information Technology involves the exchange of health information in an electronic environment. Widespread use of information technology within the health care industry will improve the quality of health care, prevent medical errors, reduce health care costs, increase administrative efficiencies, decrease paperwork, and expand access to affordable health care.

This new program at Cincinnati State, which is offered through collaboration of the Center for Innovative Technologies and the Health and Public Safety Division, prepares students for important roles in varied healthcare settings. Graduates may take on responsibilities such as:

- Implementing and managing systems for electronic medical records and patient health records
- Designing and developing tools and systems to support clinical decision making and research
- Safeguarding the security of patient records in compliance with privacy laws and ethical issues related to the sharing of medical data and patient data
- Developing standards for the exchange and interoperability of medical data, promoting meaningful use of medical records and data
- Selecting and implementing health information systems to provide affordable quality healthcare

The HIT degree offers two majors: Healthcare Informatics and Healthcare Programming and Systems Analysis. Graduates of both majors earn an Associate of Applied Science degree.

Healthcare Informatics major (HITHI)

Students in the Healthcare Informatics major gain skills needed to assist organizations with meaningful and efficient use of healthcare data by incorporating information technologies and information management techniques. The Healthcare Informatics major provides graduates with knowledge and skills that enable information to be collected, managed, used, and shared to support delivery of healthcare and to promote health.

Healthcare Programming and Systems Analysis major (HITPA)

Students in the Healthcare Programming and Systems Analysis major gain the knowledge and skills required to fulfill an essential information technology role in healthcare, either as a developer who designs, implements, and maintains health-based software applications, or as an analyst supporting current healthcare-related applications.

Graduates understand healthcare fundamentals and have IT professional skills in systems analysis, software development, database design, and core technical skills including .NET, Java, HL7, SQL, and SQL Server.

Healthcare Informatics Major (HITHI)

All degree-seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

Semester 1		Credits
HIT 100	Language and Culture of Healthcare	3
IT 101	.NET Programming 1	3
IT 110	HTML with CSS and JavaScript	4
IT 111	Database Design and SQL 1	4
CIT 190	Career Preparation: Engineering and Information Technologies	1
Semester 2		
ENG 101	English Composition	3
MCH 104	Accelerated Medical Terminology	4
HIT 105	Information Technology Systems in Healthcare	3
BPA 130	Business Systems Analysis and Design	3
MAT 130	Intermediate Algebra for Statistics	3
Semester 3		
HIT 210	Healthcare Reimbursement	3
HIT 291	Full-Time Cooperative Education 1: Health Information Technology	2
Semester 4		
IT 112	Database Design and SQL 2	4
MAT 131	Statistics 1	3
CPDM 145	Data Reporting	4
IT 210	System Design and Implementation	3

COMM XXX Communications Elective		3
Semester 5		
HIT 292	Full-Time Cooperative Education 2: Health Information Technology	2
Semester 6		
ENG 104	Composition and Technical Communication	3
HIT 220	Health Information Technology in the Continuum of Care	3
HIT 225	Data Mining	3
PSY XXX Psychology Elective		3
ECO XXX Economics Elective		3
Total Credits:		70

Electives

Communications Elective

COMM 105	Interpersonal Communication	3
COMM 110	Public Speaking	3

Economics Elective

Any ECO

Psychology Elective

Any PSY

Healthcare Programming and Analysis Major (HITPA)

All degree-seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

Semester 1		Credits
HIT 100	Language and Culture of Healthcare	3
IT 101	.NET Programming 1	3
IT 110	HTML with CSS and JavaScript	4
IT 111	Database Design and SQL 1	4
CIT 190	Career Preparation: Engineering and Information Technologies	1
Semester 2		
ENG 101	English Composition	3
IT 102	.NET Programming 2	4
MCH 104	Accelerated Medical Terminology	4
HIT 105	Information Technology Systems in Healthcare	3
BPA 130	Business Systems Analysis and Design	3
Semester 3		
HIT 210	Healthcare Reimbursement	3
HIT 291	Full-Time Cooperative Education 1: Health Information Technology	2
Semester 4		
IT 112	Database Design and SQL 2	4
IT 161	Java Programming 1	4
IT 210	System Design and Implementation	3
HIT 215	Healthcare Programming	3
COMM XXX Communications Elective		3
Semester 5		
HIT 292	Full-Time Cooperative Education 2: Health Information Technology	2
Semester 6		

MAT 130	Intermediate Algebra for Statistics	3
IT 162	Java 2	4
PSY XXX Psychology Elective		3
ECO XXX Economics Elective		3
ENG XXX English Composition Elective		3
Total Credits:		72

Electives

Communications Elective

COMM 105	Interpersonal Communication	3
COMM 110	Public Speaking	3
English Composition Elective		
ENG 104	Composition and Technical Communication	3
ENG 105	Composition and Business Communication	3
Economics Elective		
Any ECO		
Psychology Elective		
Any PSY		