Healthcare Programming and Systems Analysis Major (HITPA)

Health Information Technology - Healthcare Programming and Systems Analysis Major (HITPA)

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

Graduates earn an Associate of Applied Science degree. Coursework covers healthcare fundamentals as well as IT professional skills in systems analysis, software development, database design, and core technical areas including .NET, Java, HL7, SQL, and SQL Server.

For more information, please contact the Center for Innovative Technologies at (513) 569-1743.

To apply for this program at Cincinnati State, visit our Admissions Page (http://www.cincinnatistate.edu/academics/admission)

Healthcare Programming and Analysis Major (HITPA)

Semester 1		Lec	Lab	Credits
FYE 1XX First Year Experience Elective (**B**)		1	0	1
HIT 100	Language and Culture of Healthcare (**B**)	3	0	3
IT 100	Computer Programming Foundations (**B**)	2	3	3
ENG 101	English Composition 1 (**G**)	3	0	3
MAT 1XX Mathematics Elective (**G**)		2	2	3
Semester 2				
HIT 105	Information Technology Systems in Healthcare (**B**)	3	0	3
IT 101	.NET Programming 1 (**B**)	2	3	3
IT 111	Database Design and SQL 1 (**B**)	2	3	3
BPA 130	Business Systems Analysis and Design (**T**)	2	3	3
Semester 3				
HIT 210	Healthcare Reimbursement (**T**)	3	0	3
IT 102	.NET Programming 2 (**T**)	2	3	3
MCH 104	Comprehensive Medical Terminology (**T**)	3	0	3
ENG 1XX English Composition Elective (**G**)		3	0	3
Semester 4				
HIT 215	Healthcare Programming (**T**)	3	0	3
IT 210	System Design and Implementation (**T**)	2	3	3
HIT XXX Health Information Technology Experiential EducationElective (**T**)		0	7	1
IT 161	Java Programming 1 (**T**)	2	3	3
IT 110	HTML with CSS and JavaScript (**T**)	2	3	3
Semester 5				
XXX XXX Arts/ Humanities Elective (**G**)		3	0	3
PSY 110	Introduction to Psychology (**G**)	3	0	3
BPA 290	Business Programming and Systems Analysis Capstone (**T**)	3	3	4
IT XXX Information Technology Elective (**T**)		2	3	3
Total Credits:		51	39	63

Electives

First Year Experience Elective

FYE 100	College Survival Skills	1
FYE 105	College Success Strategies	2
FYE 110	Community College Experience	3

Mathematics Elective

MAT 115	Pre-Statistics	3
MAT 125	Algebra and Trigonometry	4
MAT 131	Statistics 1	3
MAT 151	College Algebra	4

English Composition Elective

ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

Health Information Technology Experiential Education Elective

HIT 191	Part-time Co-op 1: HIT	1
HIT 192	Part-time Co-op 2: HIT	1
HIT 291	Full-Time Cooperative Education 1: Health Information Technology	2
HIT 292	Full-Time Cooperative Education 2: Health Information Technology	2

HIT 294	Internship: Health Information Technology	1
Arts/Humanities Elective		
Any Transfer Module course from ART, LIT, MUS, PHI, REL, THE, or COMM 130		
Information Technology Elective *		
IT 140	PHP and MySQL	4
IT 112	Database Design and SQL 2	3
IT 220	Emerging Topics in Computer Software Development	3
HIT 220	Health Information Technology in the Continuum of Care	3
BPA 230	Mobile Application Development	4

*   Program Chair approval required

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Faculty

Program Chairs/Advisors

Professor Robert Nields, MBA
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Professor Cindy Kneip, RHIA
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Co-op Coordinator

Professor Noelle Grome, ME, MA
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