

## Bachelor of Science in Information Technology, Health Informatics Option

### Curriculum

Required courses and recommended terms during which they should be taken:

Freshman Year	Fall	
PSY 201	Psychology	3
SPE 111	Fundamentals of Speech	3
WRI 121	English Composition	3
	Humanities elective	3
	Math/Science/Social Science elective	3
<b>Total</b>		<b>15</b>

Freshman Year	Winter	
BIO 200	Medical Terminology	2
ECO 201N	Principles of Economics, Microeconomics	3
MATH 111	College Algebra	4
MIS 102	Spreadsheet Software Laboratory	1
WRI 122	English Composition	3
	Math/Science/Social Science elective	3
<b>Total</b>		<b>16</b>

Freshman Year	Spring	
BIO 103	General Biology	4
ECO 202N	Principles of Economics, Macroeconomics	3
MIS 275	Introduction to Relational Databases	3
	Humanities elective	3
	Math/Science/Social Science elective	3
<b>Total</b>		<b>16</b>

Sophomore Year	Fall	
MATH 361	Statistical Methods I	4
MIS 115	Visual BASIC Programming	4
MIS 217	Health Care Systems and Policy	3
MIS 255	Health Informatics Concepts and Practices	3
MIS 311	Introduction to Information Systems	3
<b>Total</b>		<b>17</b>

Sophomore Year	Winter	
MATH 371	Finite Mathematics and Calculus I	4
MIS 215	Business Application Programming	4
MIS 256	Hardware/Software Integration	4
	Humanities elective	3
<b>Total</b>		<b>15</b>

Sophomore Year	Spring	
BUS 317	Health Care Management	3
PSY 347	Organizational Behavior	3
SPE 321	Small Group and Team Communication	3
WRI 227	Technical Report Writing	3
	Math/Science/Social Science elective	3
<b>Total</b>		<b>15</b>

Junior Year	Fall	
ACC 201	Principles of Accounting I	4
MIS 312	Systems Analysis I	4
MIS 341	Relational Database Design I	4
MIS 345	Health Care Information Systems Management	3
<b>Total</b>		<b>15</b>

Junior Year	Winter	
MIS 322	Systems Analysis II	4
MIS 342	Relational Database Design II	4
MIS 357	Information and Communication Systems in Health Care	3
WRI 327	Advanced Technical Writing	3
	Technical elective*	3
<b>Total</b>		<b>17</b>

Junior Year	Spring	
ACC 203	Principles of Managerial Accounting	4
BUS 456	Business Research Methods	3
MIS 272	Fundamentals of Networking I	4
MIS 344	Business Intelligence	3
MIS 375	Decision Support Systems	3
<b>Total</b>		<b>17</b>

Senior Year	Fall	
BUS 356	Business Presentations	4
MIS 273	Fundamentals of Networking II	4
MIS 496	Senior Project Management	4
	Technical elective*	3
<b>Total</b>		<b>15</b>

Senior Year	Winter	
BUS 223	Principles of Marketing or	
BUS 337	Principles of Health Care Marketing	3
BUS 316	Total Quality in Health Care	3
MIS 445	Legal, Ethical and Social Issues in Health Care Technology	3
MIS 497	Senior Project II	3
<b>Total</b>		<b>12</b>

Senior Year	Spring	
BUS 478	Cases in Strategy and Policy	3
MIS 498	Senior Project III	3
	Math/Science/Social Science elective	3
	Technical elective *	3
<b>Total</b>		<b>12</b>

\* Any BUS, CST, MGT or MIS class approved by your advisor which is not required in your program, excepting CST 101 and CST 102. Alternatively, any appropriate GIS course approved by your advisor.