

Information Systems - Healthcare Information Systems Emphasis, B.S.

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Requirements

The healthcare industry relies heavily on information systems to store patient information so that medical professionals can analyze the data. Information systems professionals who specialize in HIS find exciting careers. The BS in Information Systems program prepares students to be Information Systems professionals. Graduates develop and deploy enterprise-level systems to meet organizational needs. Students who graduate with the Healthcare Information Systems (HIS) emphasis will use their knowledge of information technology and records management to form the links among health-care professionals and administrations and information technology professionals.

Total Program Credits: 123

General Education Requirements:		36 Credits
	ENGL 1010 Introduction to Academic Writing	3
or	ENGL 1005 Literacies and Composition Across Contexts (5)	
	ENGL 2010 Intermediate Writing Academic Writing and Research	3
	MATH 1050 College Algebra	4
or	MATH 1055 College Algebra with Preliminaries (5)	
American Institutions: Complete one of the following:		3
	HIST 2700 US History to 1877 (3)	
and	HIST 2710 US History since 1877 (3)	
	HIST 1700 American Civilization (3)	
	HIST 1740 US Economic History (3)	
	POLS 1000 American Heritage (3)	
	POLS 1100 American National Government (3)	
Complete the following:		
	PHIL 2050 Ethics and Values	3
	HLTH 1100 Personal Health and Wellness	2
or	PES 1097 Fitness for Life (2)	
Distribution Courses:		
	Biology Distribution	3
	Physical Science Distribution	3
	An Additional Biology or Physical Science Distribution Course	3
	Fine Arts Distribution	3
	Humanities Distribution	3
	Social/Behavioral Science Distribution (ECON 2010 recommended)	3
Discipline Core Requirements:		63 Credits
Math Requirement:		3
	MGMT 2340 Business Statistics I (3)	
IS Core Requirements:		
	INFO 1120 Information Systems and Technology Fundamentals	3

	INFO 1200 Computer Programming I for IS/IT	3
or	CS 1400 Fundamentals of Programming (3)	
	INFO 2200 Computer Programming II for IS/IT	3
	INFO 2410 Database Fundamentals	3
	INFO 2420 Web Application Design	3
	IM 2600 Spreadsheet Applications	3
	IT 1510 Introduction to System Administration--Linux/UNIX	3
	IT 2600 Data Communication Fundamentals	3
	IT 2700 Information Security Fundamentals	3
	INFO 3130 Introduction to Applied Data Analytics	3
	INFO 3300 Web Systems Development	3
	INFO 3410 Database Systems and Warehousing	3
	INFO 3430 Systems Analysis and Design WE	3
	INFO 405G Global Ethical and Professional Perspectives in IS and IT	3
	INFO 4430 Systems Design and Implementation	3
IS Environment/Business Foundation Requirements:		
	ACC 2010 Financial Accounting	3
	ACC 2020 Managerial Accounting	3
	MKTG 220G Written Business Communication WE	3
	MGMT 3000 Organizational Behavior WE	3
	MKTG 3600 Principles of Marketing	3
Emphasis Requirements:		12 Credits
	INFO 3750 Healthcare Information Systems Applications	3
	INFO 4120 Business Intelligence Systems	3
	INFO 4700 Healthcare Information Systems Management	3
	HLTH 3200 Principles of Community Health	3
Emphasis Elective Requirements:		12 Credits
Choose 12 credit hours from the following list of upper-division courses:		12
	INFO 3120 Management Information Systems (3)	
	INFO 4130 Data Science and Big Data Analytics (3)	
	INFO 4135 Data Security Analytics (3)	
	INFO 4420 Mobile Application Development (3)	
	INFO 481R Internship (3)	
	IT 3350 Intellectual Property and Cyber Law (3)	
	IT 4700 Enterprise Cybersecurity Management (3)	
Other approved upper-division Information Systems courses		

Graduation Requirements:

1. Completion of at least 123 semester credits required in the BS degree; at least 40 credit hours must be upper-division courses.
2. Overall grade point average 2.0 or above with a minimum of 2.5 GPA in all discipline core, specialty core, and elective courses with no grade lower than a "C-."

Information Systems - Healthcare Information Systems Emphasis, B.S.

3. Residency hours: Minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
4. Completion of GE and specified departmental requirements. Students are responsible for completing all prerequisite courses.
5. Successful completion of at least one Global/Intercultural course.

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Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in [Wolverine Track](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and italicized.

Semester 1	Course Title	Credit Hours
<i>ENGL 1010</i>	Introduction to Writing	3
<i>MATH 1050 or MATH 1055</i>	College Algebra or College Algebra with Preliminaries	4
<i>INFO 1120</i>	Information Systems and Technology Fundamentals	3
<i>INFO 2410</i>	Database Fundamentals	3
<i>HLTH 1100 or PES 1097</i>		2
	Semester Total:	15
Semester 2	Course Title	Credit Hours
<i>ENGL 2010</i>	Intermediate Writing	3
<i>INFO 1200</i>	Computer Programming I for IS/IT	3
<i>INFO 2420</i>	Web Application Design	3
<i>ACC 2010</i>	Financial Accounting	3
<i>IT 1510</i>	Written Business Communication WE	3
	Semester Total:	15
Semester 3	Course Title	Credit Hours
<i>MGMT 2340</i>	Business Statistics I	3
<i>IM 2600</i>	Spreadsheet Applications	3
<i>INFO 2200</i>	Computer Programming II for IS/IT	3
<i>ACC 2020</i>	Managerial Accounting	3
<i>IT 2600</i>	Data Communication Fundamentals	3
	Semester Total:	15
Semester 4	Course Title	Credit Hours
<i>IT 2700</i>	Information Security Fundamentals	3
<i>INFO 3300</i>	Web Systems Development	3
<i>INFO 3410</i>	Database Systems and Warehousing	3
<i>INFO 3130</i>	Introduction to Applied Data Analytics	3
<i>MKTG 220G</i>	Written Business Communication WE	3
	Semester Total:	15
Semester 5	Course Title	Credit Hours
<i>INFO 3750</i>	Healthcare Information Systems Applications	3
Third Science Distribution		3

Elective		3
Elective		3
Biology Distribution		3
<i>INFO 4120</i>	Business Intelligence Systems	3
	Semester Total:	18
NOTE: INFO 3750 is offered Spring only.		
Semester 6	Course Title	Credit Hours
<i>HLTH 3200</i>	Principles of Community Health	3
Elective		3
<i>MKTG 3600</i>	Principles of Marketing	3
<i>INFO 3430</i>	Systems Analysis and Design WE	3
<i>INFO 4700</i>	Healthcare Information Systems Management	3
	Semester Total:	15
NOTE: INFO 4700 is offered Fall only.		
Semester 7	Course Title	Credit Hours
Elective		3
<i>MGMT 3000</i>	Organizational Behavior WE	3
<i>INFO 4430</i>	Systems Design and Implementation	3
<i>INFO 405G</i>	Global Ethical and Professional Perspectives in IS and IT	3
<i>PHIL 2050</i>	Ethics and Values	3
	Semester Total:	15
Semester 8	Course Title	Credit Hours
American Institutions		3
Humanities Distribution		3
Fine Arts Distribution		3
Social/Behavioral Science Distribution		3
Physical Science Distribution		3
	Semester Total:	15
	Degree total:	123