

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

### 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 Writing (3.0)	3
	ENGL 2010	Intermediate Writing--Humanities/Social Sciences	3
or	ENGL 2020	Intermediate Writing--Science and Technology (3.0)	
	MATH 1050	College Algebra	4
or	MATH 1055	College Algebra with Preliminaries (5.0)	
American Institutions: Complete one of the following:		3	
	HIST 2700	US History to 1877 (3.0)	
and	HIST 2710	US History since 1877 (3.0)	
	HIST 1700	American Civilization (3.0)	
	HIST 1740	US Economic History (3.0)	
	POLS 1000	American Heritage (3.0)	
	POLS 1100	American National Government (3.0)	
Complete the following:			
	PHIL 2050	Ethics and Values	3
	HLTH 1100	Personal Health and Wellness	2
or	PES 1097	Fitness for Life (2.0)	
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 2020 recommended)		3
Discipline Core Requirements:		63 Credits	
Math Requirement:		3	
	MGMT 2340	Business Statistics I (3.0)	
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 (3.0)	
	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 2600	Data Communication Fundamentals	3
	IT 2700	Information Security Fundamentals	3
	INFO 3130	Introduction to Applied Data Analytics	3
	INFO 3410	Database Systems and Warehousing	3
	INFO 3420	Web Systems Development	3
	INFO 3430	Systems Analysis and Design	3
	INFO 3700	Health Informatics Fundamentals	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 2200	Business Communication	3
	MGMT 3000	Organizational Behavior	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 4250	Health Services Organization and Policy	3
Emphasis Elective Requirements:		12 Credits	
Choose 12 credit hours from the following list of upper-division courses:		12	
	INFO 3120	Management Information Systems (3.0)	
	INFO 4130	Data Science and Big Data Analytics (3.0)	
	INFO 4135	Data Security Analytics (3.0)	
	INFO 4420	Mobile Business Application Development (3.0)	
	INFO 4440	Enterprise Computing Environments (3.0)	
	INFO 481R	Internship (1.0)	
	IT 3350	Intellectual Property and Cyber Law (3.0)	
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-."
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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## Information Systems - Healthcare Information Systems Emphasis, B.S. 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
HLTH 1100 or PES 1097	Personal Health and Wellness or Fitness for Life	2
Fine Arts Distribution		3
<i>INFO 1120</i>	Information Systems and Technology Fundamentals	3
Semester total:		15
Notes: Take INFO 1120 first or second semester.		
Semester 2	Course Title	Credit Hours
<i>ENGL 2010 or ENGL 2020</i>	Intermediate Writing	3
Biology Distribution		3
<i>INFO 1200</i>	Computer Programming I for IS/IT	3
<i>INFO 2420</i>	Web Application Design	3
IM 2600	Spreadsheet Applications	3
<i>ACC 2010</i>	Financial Accounting	3
Semester total:		18
Notes: (1) Must take INFO 1200 before taking INFO 2200 next semester. (2) Must take ACC 2010 before taking ACC 2020 next semester or the following semester.		
Semester 3	Course Title	Credit Hours
MGMT 2340	Business Statistics I	3
INFO 2200	Computer Programming II for IS and IT	3
<i>INFO 2410</i>	Database Fundamentals	3
<i>IT 2600</i>	Data Communication Fundamentals	3
<i>MKTG 2200</i>	Written Business Communication	3
Semester total:		15
Notes: (1) Must take IT 2600 before taking IT 2700 next semester. (2) Must take MGMT 2340 before taking INFO 3130 next semester. (3) Must take MKTG 2200 before taking MGMT 3000 in next semester.		
Semester 4	Course Title	Credit Hours
ECON 2020	Microeconomics (recommended to fulfill Social/Behavioral Science Distribution)	3
IT 2700	Information Security Fundamentals	3
INFO 3130	Intro to Applied Data Analytics	3
ACC 2020	Managerial Accounting	3
MGMT 3000	Organizational Behavior	3

Semester total:		15
Notes: Must take INFO 3130 before taking INFO 4120 next semester.		
Semester 5	Course Title	Credit Hours
Physical Science Distribution		3
PHIL 2050	Ethics and Values	3
INFO 3410	Database Systems and Warehousing	3
INFO 3420	Web Systems Development	3
<i>INFO 3700</i>	Health Informatics Fundamentals	3
Semester total:		15
Notes: Must take INFO 3700 before taking INFO 3750 next semester.		
Semester 6	Course Title	Credit Hours
Additional Biology or Physical Science Distribution		3
Humanities Distribution		3
<i>INFO 3750</i>	Healthcare Information Systems Management	3
<i>INFO 4120</i>	Business Intelligence Systems	3
MKTG 3600	Principles of Marketing	3
Semester total:		15
Notes: INFO 3750 is offered Spring semesters only.		
Semester 7	Course Title	Credit Hours
<i>INFO 3430</i>	Systems Analysis and Design	3
INFO 4700	Healthcare Information Systems Management	3
HLTH 4250	Health Services Organization and Policy	3
Elective	INFO 4420 recommended	3
Elective		3
Semester total:		15
Notes: (1) Take INFO 3430 this semester to be able to take INFO 4430 next semester. (2) INFO 3430 and INFO 4430 should be taken in two consecutive semesters. (3) INFO 4700 is offered Fall semesters only. (4) Elective INFO 4130 is offered Spring semesters only. (5) Electives INFO 4135 and INFO 4420 are offered Fall semesters only. (6) Elective IT 3350 is offered Fall and Summer semesters only.		
Semester 8	Course Title	Credit Hours
American Institutions		3
INFO 405G	Global Ethical and Professional Perspectives in IS and IT	3
INFO 4430	Systems Design and Implementation	3
Elective		3
Elective		3
Semester total:		15
Notes: (1) INFO 4430 should be taken semester immediately after taking INFO 3430. (2) Elective INFO 4420 is offered fall semesters only. (3) Elective INFO 4130 is offered spring semesters only.		
Degree total:		123