

Information Systems - Application Development Emphasis, B.S.

Requirements

The BS in Information Systems program prepares students to be Information Systems professionals. Graduates develop and deploy enterprise-level systems to meet organizational needs.

Total Program Credits: 123

General Education Requirements:		36 Credits
	ENGL 1010 Introduction to Writing (3.0)	3
	ENGL 2010 Intermediate Writing--Humanities/Social Sciences (3.0)	3
or	ENGL 2020 Intermediate Writing--Science and Technology (3.0)	
	MATH 1050 College Algebra (4.0)	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 (3.0)	3
	HLTH 1100 Personal Health and Wellness (2.0)	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 (3.0)	3
ACC 2020	Managerial Accounting (3.0)	3
MKTG 2200	Written Business Communication (3.0)	3
MGMT 3000	Organizational Behavior (3.0)	3
MKTG 3600	Principles of Marketing (3.0)	3
Emphasis Requirements:		12 Credits
INFO 3422	PHP Web Application Development	3
INFO 3426	Web Content Management Systems Site Development	3
INFO 4420	Mobile Business Application Development	3
INFO 4425	Web Application Security	3
Emphasis Elective Requirements:		12 Credits
Choose 12 credit hours from the following:		12
INFO 3750	Healthcare Information Systems Applications (3.0)	
INFO 4120	Business Intelligence Systems (3.0)	
INFO 4422	Advanced PHP Web Application Development (3.0)	
INFO 4440	Enterprise Computing Environments (3.0)	
INFO 481R	Internship (3.0)	
CS 2550	Web Programming I (3.0)	
CS 3410	Human Factors in Software Development (3.0)	
CS 3660	Web Programming II (3.0)	
DGM 2760	Web Languages I (3.0)	
DGM 2780	Web Tools and Frameworks I (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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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</i>	College Algebra	4
HLTH 1100 or PES 1097	Personal Health & Wellness or Fitness for life	2
Fine Arts Distribution		3
<i>INFO 1120</i>	Information Systems and Technology Fundamentals	3
Semester total:		15
Notes: (1) Take INFO 1120 first or second semester.		
Semester 2	Course Title	Credit Hours
<i>ENGL 2010 or ENGL 2020</i>	Intermediate Writing--Humanities/Social Sciences or Intermediate Writing--Science and Technology	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.		
Semester 3	Course Title	Credit Hours
MGMT 2340	Business Statistics I	3
INFO 2200	Computer Programming II for IS/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.		
Semester 4	Course Title	Credit Hours
Social Science Distribution (ECON 2010 recommended)		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: (1) Make sure you take statistics class by end of fourth semester.		

Semester 5	Course Title	Credit Hours
PHIL 2050	Ethics and Values	3
Physical Science Distribution		3
INFO 3410	Database Systems and Warehousing	3
INFO 3420	Web Systems Development	3
INFO 3700	Health Informatics Fundamentals	3
Semester total:		15
Semester 6	Course Title	Credit Hours
Additional Biology or Physical Science		3
Humanities Distribution		3
INFO 3422	PHP Web Application Development	3
INFO 3426	Web Content Management	3
<i>MKTG 3600</i>	Principles of Marketing	3
Semester total:		15
Semester 7	Course Title	Credit Hours
American Institutions		3
<i>INFO 3430</i>	Systems Analysis and Design	3
INFO 4420	Mobile Business Application Development	3
Elective		3
Elective		3
Semester total:		15
Notes: (1) INFO 4420 offered Fall only. (2) Must take INFO 3430 this semester before taking INFO 4430 next semester. (3) Electives CS 3410, DGM 2760, and DGM 2780 offered Fall semesters only.		
Semester 8	Course Title	Credit Hours
INFO 405G	Global Ethical and Professional Perspectives in IS and IT	3
INFO 4430	Systems Design and Implementation	3
INFO 4425	Web Application Security	3
Elective		3
Elective		3
Notes: (1) INFO 4425 offered Spring semesters only. (2) Electives INFO 3750 and INFO 4422 offered Spring semesters only.		
Semester total:		15
Degree total:		123