

Information Systems - Application Development Emphasis, B.S.

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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 Academic Writing CC	3
or	ENGL 1005 Literacies and Composition Across Contexts CC (5)	
	ENGL 2010 Intermediate Academic Writing CC	3
	MATH 1050 College Algebra QL (4)	4
or	MATH 1055 College Algebra with Preliminaries QL (5)	
American Institutions: Complete one of the following:		3
	HIST 2700 US History to 1877 AS (3)	
and	HIST 2710 US History since 1877 AS (3)	
	HIST 1700 American Civilization AS (3)	
	HIST 1740 US Economic History AS (3)	
	POLS 1000 American Heritage SS (3)	
	POLS 1100 American National Government AS (3)	
Complete the following:		
	PHIL 2050 Ethics and Values IH (3)	3
	HLTH 1100 Personal Health and Wellness TE (2)	2
or	EXSC 1097 Fitness for Life TE (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 ¹	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 GI WE	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 GI WE	3
	MGMT 3000 Organizational Behavior WE	3
	MKTG 3600 Principles of Marketing	3
Emphasis Requirements:		15 Credits
	INFO 3330 Client-Side Web Development	3
	INFO 3360 Server-Side Web Frameworks	3
	INFO 4420 Mobile Application Development	3
	INFO 4425 Web Application Security	3
	INFO 4300 Enterprise Web Development	3
Emphasis Elective Requirements:		9 Credits
Complete 9 credit hours from the following:		9
	INFO 4120 Data Visualization (3)	
	INFO 481R Internship (3)	
	CS 2550 Web Programming I (3)	
	CS 3270 Python Software Development (3)	
	CS 3410 Human Factors in Software Development (3)	
	CS 3660 Web Programming II (3)	
Other approved upper-division Information Systems courses		
Notes:		
1. ECON 2010 Principles of Economics I recommended.		

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 - Application Development 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](#).

Semester 1	Course Title	Credit Hours
ENGL 1010	Introduction to Academic Writing CC	3
MATH 1050 or MATH 1055	College Algebra QL or College Algebra with Preliminaries QL	4
INFO 1120	Information Systems and Technology Fundamentals	3
INFO 2410	Database Fundamentals	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE or Fitness for Life TE	2
	Semester Total:	15
Semester 2	Course Title	Credit Hours
ENGL 2010	Intermediate Academic Writing CC	3
INFO 1200	Computer Programming I for IS IT	3
INFO 2420	Web Application Design	3
ACC 2010	Financial Accounting	3
MKTG 220G	Written Business Communication GI WE	3
	Semester Total:	15
Semester 3	Course Title	Credit Hours
MGMT 2340	Business Statistics I	3
IM 2600	Spreadsheet Applications	3
INFO 2200	Computer Programming II for IS IT	3
ACC 2020	Managerial Accounting	3
INFO 3300	Web Systems Development	3
	Semester Total:	15
Semester 4	Course Title	Credit Hours
INFO 3330	Client-Side Web Development	3
INFO 3360	Server-Side Web Frameworks	3
INFO 3410	Database Systems and Warehousing	3
INFO 3130	Introduction to Applied Data Analytics	3
INFO 3700	Health Informatics Fundamentals	3
	Semester Total:	12
Semester 5	Course Title	Credit Hours
IT 2600	Data Communication Fundamentals	3
	Fine Arts Distribution	3
	Humanities Distribution	3
INFO 3430	Systems Analysis and Design WE	3
INFO 4300	Enterprise Web Development	3

	Semester Total:	15
Semester 6	Course Title	Credit Hours
IT 2700	Information Security Fundamentals	3
	Elective	3
INFO 4420	Mobile Application Development	3
INFO 4430	Systems Design and Implementation	3
MGMT 3000	Organizational Behavior WE	3
INFO 405G	Global Ethical and Professional Perspectives in IS and IT GI WE	3
	Semester Total:	18
Semester 7	Course Title	Credit Hours
MKTG 3600	Principles of Marketing	3
	Third Science Distribution	3
	Elective	3
	Elective	3
INFO 4425	Web and Application Security	3
	Semester Total:	15
Semester 8	Course Title	Credit Hours
	Physical Science Distribution	3
	Biology Distribution	3
	Social/Behavioral Science Distribution	3
PHIL 2050	Ethics and Values IH	3
	American Institutions	3
	Semester Total:	15
	Degree Total	123