

## Information Systems and Technology, A.A.S.

### Requirements

The two-year AAS in Information Systems and Technology is designed to help students develop job-ready computer skills to meet today's industry needs. Students complete a foundational core in programming, database, web application design, data communication, and networking. After that, students select a specialization in either Information Systems or Information Technology to complete a focused set of courses to obtain more in-depth knowledge and skills for a variety of computer-related jobs. If planned carefully with an advisor, this program provides a smooth, stackable pathway to the B.S. in Information Systems degree or the B.S. in Information Technology degree at UVU.

#### Total Program Credits: 65

General Education Requirements:		17 Credits
ENGLISH		
	ENGL 1010	Introduction to Writing 3
MATHEMATICS		
	MATH 1050	College Algebra 4
or	Any higher Mathematics Course	
HUMANITIES/FINE ARTS/FOREIGN LANGUAGE		
	Any approved Humanities, Fine Arts, or Foreign Language Distribution course. (ENGL 2310 recommended for BS in Information Technology degree future students.) 3	
SOCIAL AND BEHAVIORAL SCIENCE		
	Social/Behavioral Science (CJ 1010 recommended for BS Information Technology degree future students with the Computer Forensics and Security emphasis. ECON 2020 recommended for BS Information Systems degree future students.) 3	
BIOLOGY OR PHYSICAL SCIENCE		
	(PHYS 2010 and PHYS 2015 recommended for BS Information Technology degree future students; any approved Biology or Physical Science Distribution Course for BS Information Systems degree future students.) 3	
PHYSICAL EDUCATION/HEALTH/SAFETY OR ENVIRONMENT		
	Any approved Physical Education, Health, Safety or Environment Course (HLTH 1100 or PES 1097 recommended for BS in Information Technology future students or Information Systems degree future students.) 1	
Discipline Core Requirements:		21 Credits
Written Communication Requirement:		
	ENGL 2010	Intermediate Writing-- Humanities/Social Sciences 3
or	ENGL 2020	Intermediate Writing--Science and Technology (3.0)

Math Requirement:		3
	STAT 2050	Introduction to Statistical Methods (4.0)
or	MGMT 2340	Business Statistics I (3.0)
Core Requirements:		
	INFO 1120	Information Systems and Technology Fundamentals 3
	INFO 1200	Computer Programming I for IS/IT 3
	INFO 2410	Database Fundamentals 3
	IT 2600	Data Communication Fundamentals 3
or	CS 2600	Computer Networks I (3.0)
	IT 2700	Information Security Fundamentals 3
Elective Requirements:		27 credits
Choose 27 credits from either the Information Systems group or the Information Technology group. See department advisor to select classes if plan to obtain BS in IT degree in the future.		27
INFORMATION SYSTEMS		
	ACC 2010	Financial Accounting (3.0)
	ACC 2020	Managerial Accounting (3.0)
	GEOG 3600	Introduction to Geographic Information Systems (4.0)
	IM 2600	Spreadsheet Applications (3.0)
	INFO 2200	Computer Programming II for IS/IT (3.0)
	INFO 2420	Web Application Design (3.0)
	INFO 3130	Introduction to Applied Data Analytics (3.0)
	INFO 3410	Database Systems and Warehousing (3.0)
	INFO 3420	Web Systems Development (3.0)
	INFO 3422	PHP Web Application Development (3.0)
	INFO 3700	Health Informatics Fundamentals (3.0)

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	INFO 3750	Healthcare Information Systems Applications (3.0)	
	MKTG 2200	Written Business Communication (3.0)	
	MGMT 3000	Organizational Behavior (3.0)	
INFORMATION TECHNOLOGY			
	INFO 2200	Computer Programming II for IS/IT (3.0)	
	INFO 2420	Web Application Design (3.0)	
	INFO 3410	Database Systems and Warehousing (3.0)	
	INFO 3420	Web Systems Development (3.0)	
	INFO 3422	PHP Web Application Development (3.0)	
	IT 1510	Introduction to System Administration--Linux/UNIX (3.0)	
	IT 1600	Computer Architecture and Systems Software (3.0)	
	IT 2400	Voice and Data Cabling Fundamentals (3.0)	
	IT 2530	Introduction to System Administration--Windows Client (3.0)	
	IT 2800	Computer Forensic Fundamentals (3.0)	
	IT 290R	Current Topics in Information Technology (1.0)	
	IT 3510	Advanced System Administration--Linux/UNIX (3.0)	
	IT 3530	Advanced System Administration--Windows Server (3.0)	
	IT 3540	Mac OS and Server Support (3.0)	
	IT 3600	Internetworking and Router Management (3.0)	

	IT 3650	Information Storage and Management (3.0)	
		IT students need to take 6 credits in approved domain (see list of approved courses on the BS IT degree). Recommended to take 6 credits in the domain as electives if plan to complete BS in IT degree. If plan to obtain BS in Information Technology with Computer Forensics & Security emphasis, take <b>CJ 1330</b> and <b>CJ 2350</b> as domain classes.	

### Graduation Requirements:

1. Completion of a minimum of 65 semester credits.
2. Overall grade point average of 2.0 (C) or above with a minimum 2.5 GPA in all discipline core and elective courses with no grade lower than a "C-."
3. Residency hours: minimum of 20 credit hours through attendance at UVU.
4. Completion of GE and specified departmental requirements. Students are responsible for completing all prerequisite courses.

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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
Social and Behavioral Science		3
Physical Education/ Health/ Safety or Environment		1
<i>INFO 1120</i>	Information Systems and Technology Fundamentals	3
Elective		3
Elective		3
Semester total:		16
Notes: Students need to work with the department advisor to select either the Information Systems or Information Technology track for their GE, core, and electives. This plan is designed for students who intend to pursue a BS in Information Technology. See advisor for AAS plan if student intends to pursue BS in Information Systems.		
Semester 2	Course Title	Credit Hours
ENGL 2010 or ENGL 2020	Intermediate Writing	3
MATH 1050	College Algebra	4
<i>INFO 1200</i>	Computer Programming	3
Elective		3
Elective		3
Semester total:		16
Notes: Students need to work with the department advisor to select either the Information Systems or Information Technology track for their GE, core, and electives. This plan is designed for students who intend to pursue a BS in Information Technology. See advisor for AAS plan if student intends to pursue BS in Information Systems.		
Semester 3	Course Title	Credit Hours
PHYS 2010	College Physics I (Biology and Physical Science Distrib)	3
INFO 2410	Database Fundamentals	3
<i>IT 2600</i>	Data Communication Fundamentals	3
Elective		3
Elective		3
Semester total:		15
Notes: Students need to work with the department advisor to select either the Information Systems or Information Technology track for their GE, core, and electives. This plan is designed for students who intend to pursue a BS in Information Technology. IT students should also take PHYS 2015 Physics Lab. See advisor for AAS plan if student intends to pursue BS in Information Systems.		
Semester 4	Course Title	Credit Hours
MGMT 2340 or STAT 2050	Business Statistics or Intro to Statistical Methods	3
ENGL 2310	Technical Communication (Humanities Distribution)	3

Elective		3
Elective		3
Elective		3
IT 2700	Information Security Fundamentals	3
Semester total:		18
Notes: Students need to work with the department advisor to select either the Information Systems or Information Technology track for their GE, core, and electives. This plan is designed for students who intend to pursue a BS in Information Technology. IT students should also take PHYS 2015 Physics Lab. See advisor for AAS plan if student intends to pursue BS in Information Systems.		
Degree total:		65