

Information Technology, AS

Program Description

The Associate of Science degree in Information Technology (IT) will prepare students for basic entry-level job opportunities such as help desk administrator. Students will learn to apply their skills to real world problems arising in various settings, as they master new technological techniques. This applied approach will motivate IT majors to develop the skills and knowledge necessary to solve complex organizational problems using technology. Students will develop the knowledge and skills necessary for entry-level employment and/or continuing on to a Bachelor of Science degree in IT.

Program Curriculum

60 credits

Utah Tech General Education Requirements

All Utah Tech General Education requirements must be fulfilled. A previously earned degree may fulfill those requirements, but courses must be equivalent to Utah Tech's minimum General Education standards in American Institutions, English, and Mathematics.

Code	Title	Hours
General Education Core Requirements (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext)		
English		3-7
Mathematics		3-5
American Institutions		3-6
Life Sciences		3-10
Physical Sciences		3-5
Laboratory Science		0-1
Fine Arts		3
Literature/Humanities		3
Social & Behavioral Sciences		3
Exploration		3-5

AS in Information Technology Requirements

Code	Title	Hours
CS 1400	Fundamentals of Programming	3
CS 1410	Object Oriented Programming	3
IT 1100	Introduction to Unix/Linux	3
IT 1200	A+ Computer Hardware/Windows OS	3
IT 2300	Database Design & Management	3
IT 2400	Intro to Networking	3
IT 2500	Cloud Computing	3
IT 2700	Information Security	3
MATH 1040 or MATH 1050	Introduction to Statistics (MA) College Algebra / Pre-Calculus (MA)	3

Graduation Requirements

1. Complete a minimum of 60 college-level credits (1000 and above).
2. Complete at least 20 lower-division credits at Utah Tech for institutional residency.
3. Minimum C grade in required courses; Cumulative GPA 2.0 or higher.

Graduation Plan

1st Year

Fall Semester	Hours	Spring Semester	Hours
ENGL 1010		3 ENGL 2010	3
MATH 1050		4 CS 1410	3
CS 1400		3 IT 2400	3
IT 1100		3 General Education (Fine Arts) (catalog.utahtech.edu/programs/ generaleducation/#gerequirementstext)	3
General Education (Social & Behavioral Sciences) (catalog.utahtech.edu/ programs/generaleducation/ #gerequirementstext)		3 Elective	1
		16	13

2nd Year

Fall Semester	Hours	Spring Semester	Hours
IT 2500		3 IT 1200	3
IT 2300		3 IT 2700	3
General Education (American Institutions) (catalog.utahtech.edu/ programs/generaleducation/ #gerequirementstext)		3 General Education (Life Science) (catalog.utahtech.edu/programs/ generaleducation/#gerequirementstext)	3
General Education (Literature/ Humanities) (catalog.utahtech.edu/ programs/generaleducation/ #gerequirementstext)		3 General Education (Physical Science) (catalog.utahtech.edu/programs/ generaleducation/#gerequirementstext)	3
Elective		3 General Education (Lab) (catalog.utahtech.edu/programs/ generaleducation/#gerequirementstext)	1
		General Education (Exploration) (catalog.utahtech.edu/programs/ generaleducation/#gerequirementstext)	3
		15	16

Total Hours 60

Associates in Information Technology Program Learning Outcomes

At the successful completion of this program, students will be able to:

1. Administer computing resources to support organizational needs, including networks, operating systems, and security configurations.
2. Identify and resolve technical problems using troubleshooting techniques.
3. Explain ethical and legal issues impacting information technology.