

# Information Technology, AS

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## 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.

General Education Core Requirements (<https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext>)

Code	Title	Hours
English		3-7
Mathematics		3-5
American Institutions		3-6
Life Sciences		3-10
Physical Sciences		3-5
Fine Arts		3
Literature/Humanities		3
Social & Behavioral Sciences		3

### 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 1500	Cloud Fundamentals	1
IT 2300	Database Design & Management	3
or CS 2420	Introduction to Algorithms and Data Structures	
IT 2400	Intro to Networking	3
IT 2500	Cloud Computing	3
IT 2700	Information Security	3
MATH 1040	Introduction to Statistics (MA)	3
or MATH 1050	College Algebra / Pre-Calculus (MA)	
SET 1000	Graduation Planning & Career Prep I	0

## 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. At least 9 credits of IT requirements need to be completed at Utah Tech.
4. 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 or 1040	3-4 CS 1410	3
CS 1400	3 IT 1500	1
IT 1100	3 IT 2400	3
General Education (Social & Behavioral Sciences) ( <a href="https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext">https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext</a> )	3 SET 1000	0
	General Education (Fine Arts) ( <a href="https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext">https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext</a> )	3
	Elective	2
<b>15-16</b>		<b>15</b>

### 2nd Year

Fall Semester	Hours Spring Semester	Hours
IT 2500	3 IT 1200	3
IT 2300 or CS 2420	3 IT 2700	3
General Education (American Institutions) ( <a href="https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext">https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext</a> )	3 General Education (Life Science) ( <a href="https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext">https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext</a> )	3
General Education (Literature/ Humanities) ( <a href="https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext">https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext</a> )	3 General Education (Physical Science) ( <a href="https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext">https://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext</a> )	3
Elective	3-4 General Elective	3
<b>15-16</b>		<b>15</b>

### Total Hours 60-62

### 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.