Information Technology, AAS

Program Description

The Associate of Applied Science in Information Technology (A.A.S.) prepares students for entry-level IT careers. The content incorporates related general education requirements, and provides students with the basic skills of networking, operating systems, programming, and hardware.

Program Curriculum

63 credits

General Education & Institutional Requirements

The required General Education courses for the Associate of Applied Science degree at Utah Tech include a course in English, Quantitative Reasoning and Human Relations.

Code	Title	Hours
General Education Requirement		
ENGL 1010	Introduction to Writing (EN)	3-4
or ENGL 1010D	Introduction to Writing (EN)	
BUS 1370	Human Relations	3
or COMM 2110	Interpersonal Communication (SS, GC)	

Code	Title	Hours
Complete one of the following: Quantitative Course		
MATH 1010	Intermediate Algebra	4
MATH 1040	Introduction to Statistics (MA)	3
MATH 1050	College Algebra / Pre-Calculus (MA)	4

Code	Title	Hours
Information Technology Requirements		
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
SET 1000	Graduation Planning & Career Prep I	0
Technical Specialty		
Technical Specialty Electives from an articulated technical college program [1]		Up to 30

[1]   30 credits from an accredited Utah System, technical college program. The specific content, which may be transferred for credit, must exceed 30 credits or 900 membership hours and must be an articulated program with Utah Tech. Transfer coursework for a certificate of completion will be evaluated, and credit awarded in accordance with approved articulation agreements as outlined in R471.

Graduation Requirements

1. Complete a minimum of 63 college-level credits (1000 and above).
2. Complete at least 20 semester hours of credits at Utah Tech for institutional residency.
3. Grade of C or better is earned in every course.
4. Cumulative GPA 2.0 or higher.

Graduation Plan

1st Year

	Hours	Fall Semester	Hours	Spring Semester	Hours
Completion of 30 technical specialty credits[1]	30	Quantitative Literacy (MATH 1010 or MATH 1050)	4	CS 1410	3
		ENGL 1010 or 1010D	3-4	IT 2300	3
		COMM 2110	3	IT 2500	3
		CS 1400 (Prerequisite: MATH 1010 or equivalent placement score)	3	SET 1000	0
		Electives	3	Electives	8
	30		**16-17**		**17**

Total Hours 63-64

Information Technology Program Learning Outcomes

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

1. Demonstrate technical specialty competencies by completing an articulated 900 hour ATC program.
2. Administer computing resources to support organizational needs, including networks and operating systems.

3. Identify and resolve technical problems using troubleshooting techniques.