

# Information Technology, Undergraduate Certificate

Visit the Information Systems and Technology Department page (<https://www.uvu.edu/ist/>) for more information on the program and access to advising.

## Program Description

The Undergraduate Certificate in Information Technology provides students with training in basic computer applications and introductory coursework in the field of Information Technology. The program is designed to get people employed in entry-level IT positions. Students can select from a variety of introductory IT courses to build knowledge and skill in computer programming, database fundamentals, Linux and Windows system administration, computer architecture, cabling, networking, and security.

## Program Requirements

Code	Title	Credit Hours
<b>Total Credit Hours</b>		<b>18</b>
<b>Discipline Core Requirements</b>		<b>12</b>
		<b>Credits</b>
ENGL 1010 or ENGL 1005	Introduction to Academic Writing Foundations of Academic Writing	3
INFO 1120	Information Systems and Technology Fundamentals	3
IT 1510	Introduction to System Administration--Linux/UNIX	3
IT 1600	Computer Architecture and Systems Software	3
<b>Elective Requirements</b>		<b>6</b>
		<b>Credits</b>
Complete 6 credits from the following:		6
INFO 1200 or CS 1400	Computer Programming I for IS IT (3) Fundamentals of Programming	
INFO 2410	Database Fundamentals (3)	
IT 2400	Voice and Data Cabling Fundamentals (3)	
IT 2530	Introduction to System Administration--Windows Client (3)	
IT 2600 or CS 2600	Data Communication Fundamentals (3) Computer Networks I	
CYBR 2700	Information Security Fundamentals (3)	
CYBR 2800	Computer Forensic Fundamentals (3)	
IT 2900R	Current Topics in Information Technology (1)	

## Graduation Requirements

1. Completion of a minimum of 18 semester credits.
2. Minimum grade of C- required in all courses.
3. Overall grade point average of 2.0 (C) or above.
4. Residency hours: minimum of 5 credit hours through course attendance at UVU.

## 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 (<http://www.uvu.edu/wolverinetrack/>).

First Year		Credit Hours
Semester 1		
ENGL 1010 or ENGL 1005	Introduction to Academic Writing or Foundations of Academic Writing	3
INFO 1120	Information Systems and Technology Fundamentals	3
IT 1510	Introduction to System Administration--Linux/UNIX	3
IT 1600	Computer Architecture and Systems Software	3
<b>Credit Hours</b>		<b>12</b>

**Semester 2**

Elective	3
Elective	3
<b>Credit Hours</b>	<b>6</b>
<b>Total Credit Hours</b>	<b>18</b>

## Program Learning Outcomes

1. An ability to apply knowledge of computing and mathematics appropriate to Information Technology.
2. An ability to communicate effectively with a range of audiences, both in written and oral forms.
3. An ability to use current techniques, skills, and tools necessary for Information Technology.

## Computer and information systems managers

- Total Positions 613,500
- Field Growth 17.4%
- Median Salary \$169,510
- Average Openings 54.7

## Computer systems analysts

- Total Positions 527,200
- Field Growth 10.7%
- Median Salary \$103,800
- Average Openings 37.3

## Information security analysts

- Total Positions 180,700
- Field Growth 32.7%
- Median Salary \$120,360
- Average Openings 17.3

## Computer and information research scientists

- Total Positions 36,600
- Field Growth 25.6%
- Median Salary \$145,080
- Average Openings 3.4

## Computer network architects

- Total Positions 177,800
- Field Growth 13.4%
- Median Salary \$129,840
- Average Openings 12.3

## Database architects

- Total Positions 61,400
- Field Growth 10.8%
- Median Salary \$134,700
- Average Openings 4.2

## Software developers

- Total Positions 1,692,100
- Field Growth 17.9%
- Median Salary \$132,270
- Average Openings 125.1

## Software quality assurance analysts and testers

- Total Positions 205,000
- Field Growth 11.8%
- Median Salary \$101,800
- Average Openings 15.0

## Data scientists

- Total Positions 202,900
- Field Growth 36.0%
- Median Salary \$108,020
- Average Openings 20.8