

COMPUTER & INFORMATION TECHNOLOGY, A.A.S.

The **Associate of Applied Science in Computer and Information Technology** (AAS CIT) can open the door to a variety of opportunities. This program gives students a foundation in computer hardware and operating systems, and provides hands-on coursework in network administration through Cisco Networking Academy courses, and systems administration through Microsoft Windows and Linux courses.

Along with the general education requirements, students will take courses preparing them for many industry-recognized certifications, including A+, Network+, Cisco Certified Networking Associate Certification (CCNA), Microsoft Certified Professional Certification (MCP) and Linux+.

WVUP offers students the opportunity to gain work experience while completing their associate in Computer Information Technology through a state-funded program called Learn and Earn. The Learn and Earn program creates partnerships between industry and community and technical colleges by allowing students hands-on learning experience, and employers to train ideal future employees. Local businesses that are partnered with WVUP for the Learn and Earn CIT program are Chemours, iTech, Ntiva, Westbrook Health Services, Matheny Motor Truck Company, Pickering Associates and Wood County Schools.

For more information on all Learn and Earn programs, click here (<https://www.wvup.edu/learn-and-earn/>).

Milestone Course

These courses are the keys to graduation. Courses should be taken in the recommended semesters to stay on time for completion.

Career Planning

- IT professional
- Network Administrator
- Systems Technician

Capstone Course

A semester long networking project that must be taken in the graduation semester. A "C" or better must be earned in CIT 260.

Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

Total Degree Credits: 60

Course	Title	Hours
Semester 1		
COLL 101	ORIENTATION TO COLLEGE	1
CIT 105	INTRODUCTION TO NETWORKS ¹	5
Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr) Elective		
CIT 101	PC MGMT & MAINTENANCE	5
MATH 125	TECHNICAL MATHEMATICS	3
or MATH 126	or ~COLLEGE ALGEBRA	
or MATH 128	or ~COLLEGE TRIGONOMETRY	
or MATH 141	or ~FINITE MATH	
or MATH 150	or INTRODUCTION TO CALCULUS	
or MATH 155	or ~CALCULUS 1	
or MATH 156	or ~CALCULUS 2	
Hours		17
Semester 2		
People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw) Elective		
CIT 130	PRIN OF INFORMATION SYSTEMS	3
CIT 106	ROUTING & SWITCHING ESSENTIALS	5
CIT 114	WINDOWS OPERATING SYSTEMS	3
Hours		14
Semester 3		
CS 121	INTRODUCTION TO PROGRAMMING	4
CIT 211	NETWORK INFRASTRUCTURE (MCP)	3
Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective (PHYS 101 is preferred)		
CIT 205	ENTERPRISE NETWORKS & SECURITY	4
Hours		15
Semester 4		
Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) Elective		
SEC 101	SECURITY FUNDAMENTALS	3
CIT 240	INTRODUCTION TO LINUX	3

2 Computer & Information Technology, A.A.S.

CIT 260	CAPSTONE PROJECT ²	3
Technical Elective ³		2
Hours		14
Total Hours		60

¹ Milestone Course

² Capstone Course

³ Any non-required CIT, CS, SEC, DRAF, or ELEC course

Degree requires a total of 60 credit hours. [Core Course Credit Hours : 17]

Code	Title	Hours
Core Courses		
COLL 101	ORIENTATION TO COLLEGE ¹	1
	Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr)	3
	Quantitative Reasoning ²	3
Select one of the following:		
MATH 125	TECHNICAL MATHEMATICS	
MATH 126	~COLLEGE ALGEBRA	
MATH 128	~COLLEGE TRIGONOMETRY	
MATH 141	~FINITE MATH	
MATH 150	INTRODUCTION TO CALCULUS	
MATH 155	~CALCULUS 1	
MATH 156	~CALCULUS 2	
	Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective (PHYS 101 is preferred)	4
Select two of the following:		
	Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)	6
	Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)	
	People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)	
Program Courses		
CIT 101	PC MGMT & MAINTENANCE	5
CIT 105	INTRODUCTION TO NETWORKS	5
CIT 106	ROUTING & SWITCHING ESSENTIALS	5
CIT 114	WINDOWS OPERATING SYSTEMS	3
CS 121	INTRODUCTION TO PROGRAMMING	4
CIT 211	NETWORK INFRASTRUCTURE (MCP)	3
CIT 130	PRIN OF INFORMATION SYSTEMS	3
CIT 205	ENTERPRISE NETWORKS & SECURITY	4
SEC 101	SECURITY FUNDAMENTALS	3
CIT 240	INTRODUCTION TO LINUX	3
CIT 260	CAPSTONE PROJECT	3
Technical Elective		2
Total Hours		60

¹ Institutional Graduation Requirement.

² CS 121 INTRODUCTION TO PROGRAMMING is a program requirement, which will require the content in MATH 125 TECHNICAL MATHEMATICS or higher