

Computer Information Systems, A.A.S.

Degree Awarded

- Associate of Applied Science

Nature of Program

This program provides knowledge and skills necessary to manage and support computer hardware, software applications, operating systems, networking, and security of computers. Students will gain the knowledge and skills necessary to earn the following industry recognized entry-level certifications. The program is designed to prepare students for viable employment. The AAS in CIS serves as the first two years of the Bachelor of Applied Science (BAS) degree.

Career Opportunities

Careers are available in small to medium-sized business's Information Technology departments with job titles such as Call Center Technician, Technical Support Specialist, Junior Network Administrator, Junior Manager of Information Systems, Computer Repair Technician, Computer Systems Technician.

Admissions Requirements

Entering freshmen are admitted directly into the major.

General Education Foundations

Please use this link to view a list of courses that meet each GEF requirement. (<http://registrar.wvu.edu/gef>)

NOTE: Some major requirements will fulfill specific GEF requirements. Please see the curriculum requirements listed below for details on which GEFs you will need to select.

General Education Foundations

F1 - Composition & Rhetoric		3-6
ENGL 101 & ENGL 102 or ENGL 103	Introduction to Composition and Rhetoric and Composition, Rhetoric, and Research Accelerated Academic Writing	
F2A/F2B - Science & Technology		4-6
F3 - Math & Quantitative Skills		3-4
F4 - Society & Connections		3
F5 - Human Inquiry & the Past		3
F6 - The Arts & Creativity		3
F7 - Global Studies & Diversity		3
F8 - Focus (may be satisfied by completion of a minor, double major, or dual degree)		9
Total Hours		31-37

Please note that not all of the GEF courses are offered at all campuses. Students should consult with their advisor or academic department regarding the GEF course offerings available at their campus.

Curriculum Requirements

ENGL 101	Introduction to Composition and Rhetoric (GEF 1)	3
MATH 124	Algebra with Applications (GEF 3)	3
CS 101	Intro to Computer Applications (GEF 2)	4
COMM 104	Public Communication (GEF 5)	3
PSYC 101	Introduction to Psychology (GEF 4)	3
ACCT 201	Principles of Accounting	3
ECON 201 or ECON 202	Principles of Microeconomics (GEF 8) Principles of Macroeconomics	3
CIS 112	Intro to Networking and Security	3
CIS 152	Principles of Management Information Systems	3
CIS 245	Applied Programming	3

CIS 248	System Analysis and Design	3
CIS 250	Directed Computer Experience 1	3
CIS 252	Database Design 1	3
WVUE 191	First Year Seminar	1
Lower Level Major Elective (Select four of the following):		12
CIS 106	PC Hardware Concepts	
CIS 107	Operating Systems Concepts	
CIS 118	Web Page Design	
CIS 236	Introduction to Cyber Security	
CIS 237	Linux Operating Systems	
CIS 241	Networking Fundamentals	
Electives		7
Total Hours		60

Suggested Plan of Study

First Year

Fall	Hours Spring	Hours
ENGL 101 (GEF 1)	3 COMM 104 (GEF 5)	3
CS 101 (GEF 2)	4 CIS 112	3
CIS 152	3 CIS 245	3
PSYC 101 (GEF 4)	3 MATH 124 (GEF 3)	3
WVUE 191	1 Lower Level Major Elective	3
Elective	1	
	15	15

Second Year

Fall	Hours Spring	Hours
ACCT 201	3 ECON 201 or 202 (GEF 8)	3
CIS 248	3 CIS 250	3
CIS 252	3 Lower Level Major Elective	3
Lower Level Major Elective	3 Elective	3
Lower Level Major Elective	3 Elective	3
	15	15

Total credit hours: 60

Major Learning Outcomes

COMPUTER INFORMATION SYSTEMS, A.A.S.

- Design client and server machines, using a variety of operating systems, to exist in a networked environment with the highest possible degree of security.
- Use operating system commands and tools to configure servers using best practices for secure implementation.
- Design, document and implement computer software solutions based on a business need and its requirements.
- Describe and apply best practices in responsible and ethical use of computer systems.
- Communicate in writing and verbally in the subject of computing and business concepts using technical terms in order to secure and maintain employment