

Computer Information Systems, B.A.S.

Degree Awarded

- Bachelor of Applied Science

Nature of Program

The Bachelor of Applied Science (B.A.S.) degree provides students who have completed an Associate of Applied Science (A.A.S.) degree program with an opportunity to continue their education to the baccalaureate level, acquiring additional skills and furthering their professional advancement. This statewide degree program requires 39 credit hours of upper division course work and 30 credit hours in the Computer Information Systems area of emphasis.

Admissions Requirements

Graduates of the Computer Information Systems A.A.S. degree are eligible to apply to this major. Other junior level students may be admitted and should work with a CIS adviser.

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

Applicable AAS Degree Hours		60
GEF Elective Requirements (2, 6, and 7)		9
ENGL 102	Composition, Rhetoric, and Research (GEF 1)	3
STAT 111	Understanding Statistics (GEF 8)	3
SOCA 101	Introduction to Sociology (GEF 8)	3
BUSA 310	Survey of Business Law	3
BUSA 320	Survey of Management	3
BUSA 330	Survey of Marketing	3
BUSA 340	Survey of Finance	3
CIS 318	Project Management	3
CIS 367	Applied Programming 2	3
CIS 417	Database Design 2	3
CIS 488	BAS CIS Capstone	3
CIS 489	System Analysis & Design 2	3

BAS Major Elective (Select four of the following):	12
CIS 327 Cloud Computing	
CIS 338 Computer and Network Forensics	
CIS 438 Network Defense	
CIS 440 Cyber Ethics	
CIS 442 Data Mining and Business Intelligence	
Elective	3
Total Hours	120

Suggested Plan of Study

Third Year

Fall	Hours Spring	Hours
BUSA 330	3 ENGL 102 (GEF 1)	3
CIS 367	3 SOCA 101 (GEF 8)	3
STAT 111 (GEF 8)	3 BUSA 340	3
Elective	3 CIS 318	3
GEF 2	3 BAS Major Elective	3
	15	15

Fourth Year

Fall	Hours Spring	Hours
BUSA 320	3 BUSA 310	3
CIS 417	3 CIS 488	3
CIS 489	3 BAS Major Elective	3
BAS Major Elective	3 BAS Major Elective	3
GEF 6	3 GEF 7	3
	15	15

Total credit hours: 60

Major Learning Outcomes

COMPUTER INFORMATION SYSTEMS, B.A.S.

Upon successful completion of the Bachelor of Applied Science in Computer Information Systems, the student shall be able to:

1. Demonstrate proficiency in application development
2. Illustrate industry-level skill with database modeling, and apply SQL for database definition and manipulation.
3. Analyze information system requirements for organizations or businesses.
4. Create a requirements document for a proposed information system or application.
5. Demonstrate critical and analytical skills.