Computer Information Systems A.S. (CSIS)

This program is intended for students who wish to transfer to a four-year college or university for a bachelor's degree in Computer Information Systems, Management Information Systems, or related degree. The CIS courses required in the program provide a solid educational foundation in current Information Technology areas. Students are encouraged to consult with an academic advisor, faculty advisor, or counselor when choosing elective courses.

Upon successful completion of this program, graduates will be able to:

- use technical vocabulary to communicate effectively about currently available hardware and software
- develop application software and utilize workgroup software to solve business problems
- analyze and design systems using Computer-Aided Software Engineering (CASE) tools
- demonstrate proficiency in writing programs in C++ and Java
- demonstrate problem solving techniques.
- apply fundamental scientific skills.
- work effectively in teams.
- demonstrate college-level mathematical competence

Students should consult the catalog of the four-year college or university to which he or she plans to transfer to ensure that degree requirements are being properly met. Transfer information for this program is on file in the Transfer and University Center. For more information, contact an academic advisor or counselor.

First Semester		Credits
CIS 105	Introduction to Computers and Applications	3
CIS 111	Electronic Commerce	3
CIS 119	College Survival Bootcamp	1
Elective*	Mathematics	3
BUS 120	Introduction to Business Organization	3
ENG 105	Research and Composition	3
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Second Semester		
CIS 110	Business Information Systems	3.5
CIS 145	Systems Analysis and Design	3
CIS 225	Computer Organization and Architecture	3
ENG 106	Introduction to Literature	3
Elective	Social Science/Humanities	3
		15.5

Third Semester		
CIS 155	Introduction to Computer Science–Structured Programming–C++	3.5
CIS 255	Database Environment	3.5
CIS 280	Object-Oriented Programming with Visual Basic.NET	3
Elective	Laboratory Science	4
		14

Fourth Semester		
CIS 250	Operating Systems	3
NET 110	CompTIA Network+ (Network Essentials)	3.5
Elective	Free Elective	3
Electives	Social Science/Humanities	6
		15.5
	Credit Total	**61**

*Except for MAT 105, no mathematics courses numbered below 150 will fulfill the mathematics requirement.

Prior Learning Assessment: Previous job training, certificates and work experience that may qualify for college credit *(see academic advisor).*

Gateway Courses: Based on placement testing in reading, writing and math, these prerequisite courses may have to be taken before placement in College English or Mathematics beginning the first semester and concurrently.

RSS 099	Basic Skills Reading	3
RSS 100	Critical Reading	3
ENG 099	Basic Skills Writing	3
ENG 100	Fundamentals of Writing	3
MAT 090	Mathematical Literacy	6
ESL 251	English for Academic Purpose *(Required for ESL students only.)*	6

Please note, taking gateway courses will increase your time for completion.