



Computer Information Systems

Associate in Applied Science Degree (AAS)

At a Glance

The Computer Information Systems program is designed to prepare students to be successful or enhance their careers in select, high-demand, information technology fields. Special emphasis is placed on the knowledge and skills needed in the small business computer environment. In addition, this program provides a solid foundation for those considering transferring to a senior institution.

Students pursuing the Associate in Applied Science degree in Computer Information Systems have the opportunity to choose three specialized pathways. Each selected path leads to a stackable shortterm certificate, allowing students to earn industry-recognized credentials while progressing toward their degree.

Students should consult with an advisor or the faculty teaching in their discipline regarding the suggested sequence for scheduling of courses.

General Education & Elective Courses		CREDITS
CIS 146	Computer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra OR MTH 112	3
ORI 105	Orientation & Student Success	3
SPH 106	Fundamentals of Oral Communication OR Fund. Of Public Speaking (SPH 107)	3
History, Social and Behavioral Science Elective*		3
Humanities and Fine Arts Elective*		3
Natural Science Elective*		3-4
Total General Education & Elective Credit Hours		24-25

**Refer to the Academic Division section of the College Catalog & Student Handbook for general education electives. NOTE: Introductory foreign language courses cannot be utilized as the only Humanities and Fine Arts elective.*

Technical Major Courses		CREDITS
CIS 199	Network Communications	3
CIS 244	Introduction to Cybersecurity	3
CIS 263	Computer Maintenance	3
CIS Electives (**Choose 9 elective courses from the following list of courses: CIS 120, 121, 122, 123, 124, 171, 202, 207, 214, 225, 238, 245, 276, or 282)		27
Total Technical Major Credit Hours		36



TOTAL CREDIT HOURS 60-61

****When choosing CIS elective courses, students should refer to the short-term certificate options listed below to select **three** pathways to earn industry-recognized credentials while progressing toward the AAS degree in Computer Information Systems.**

Cyber Security

Embedded Short-Term Certificate (STC)

While pursuing the Computer Information Systems AAS degree and upon successful completion of the courses identified below, the stackable Cyber Security Short-Term Certificate may be awarded to students.

CREDITS

CIS 214	Security Analysis (Pen Testing) OR CIS 282 Computer Forensics	3
CIS 244	Introduction to Cybersecurity	3
CIS 245	Cyber Defense	3
CIS 263	Computer Maintenance	3
Total Credit Hours		12

Google IT Support Professional

Embedded Short-Term Certificate (STC)

While pursuing the Computer Information Systems AAS degree and upon successful completion of the courses identified below, the stackable Google IT Support Professional Short-Term Certificate may be awarded to students.

CREDITS

CIS 120	Google IT Professional Support I: Technical Support Fundamentals	3
CIS 121	Google IT Professional Support II: Computer Networking	3
CIS 122	Google IT Professional Support III: Operating Systems	3
CIS 123	Google IT Professional Support IV: System Administration and IT Infrastructure Services	3
CIS 124	Google IT Professional Support V: Security	3
Total Credit Hours		15

Network and Server Administration

Embedded Short-Term Certificate (STC)



While pursuing the Computer Information Systems AAS degree and upon successful completion of the courses identified below, the stackable Network and Server Administration Short-Term Certificate may be awarded to students.

CREDITS

CIS 199	Network Communications	3
CIS 238	Cloud Computing: Infrastructure and Services.....	3
CIS 263	Computer Maintenance	3
CIS 276	Server Administration	3
Total Credit Hours		12

Programming and Web Development

Embedded Short-Term Certificate (STC)

While pursuing the Computer Information Systems AAS degree and upon successful completion of the courses identified below, the stackable Programming and Web Development Short-Term Certificate may be awarded to students.

CREDITS

CIS 171	Linux I	3
CIS 202	Python Programming	3
CIS 207	Web Development	3
CIS 263	Computer Maintenance	3
Total Credit Hours		12