

COMPUTER INFORMATION SYSTEMS, ASSOCIATE OF APPLIED SCIENCE

The Associate of Applied Science Computer Information Systems (AAS CIS) degree offers program courses focused on technical support in a networked environment. This degree prepares students for employment opportunities in the computer information services industry. The program offers students the opportunity to gain knowledge and hands-on experience to support an organization's information technology infrastructure. The CIS program additionally provides professional continuing education, classes and certificates for individuals working in the field or studying other disciplines.

Students completing the AAS CIS are prepared to seek entry-level employment and entrepreneurial occupations such as network administrator, systems administrator, support technician, and applications specialist/trainer.

Students planning to earn a bachelor's degree are responsible for researching the departmental requirements of the school to which they plan to transfer. Students planning to transfer may want to consider the AAOT, AGS or AS degree options.

GRADUATION REQUIREMENTS

Students must complete a minimum of 97 credit hours with a cumulative Grade Point Average (GPA) of 2.0 or better. Twenty-four (24) credits must be completed at Southwestern before the degree is awarded. All courses must be completed with a grade of 'C' or better.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of this program the student will be able to:

- Demonstrate the skills and knowledge to install, configure, and maintain end-user computer systems and software
- Demonstrate the skills and knowledge to install, configure and maintain network servers.
- Demonstrate the ability to plan and implement both wired and wireless networks sufficient for home or small business use.
- Demonstrate basic ability to develop new products and services to meet the needs of a changing economy
- Apply project-life-cycle concepts to assist in business need solutions.
- Research, interpret and communicate technical information in written, graphic, diagrammatic, electronic and oral forms.
- Demonstrate the ability to work independently or in a group environment with sensitivity to the business and cultural needs.

AWARD MAP

Pathway Option

Career Pathway Certificate of Completion: Support Technician

Certificate of Completion: Computer Information Systems

Associate: Computer Information Systems

PRE-PROGRAM COURSES

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

Code	Title	Credits
CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I (or placement in higher math course)	4
WR90R	Academic Literacy (or placement in higher writing course)	4

PROGRAM GUIDE

Course	Title	Credits
First Year		
Fall		
CIS140M	Introduction to Operating Systems: Microsoft	4
CIS151	Network Essentials	4
CS160	Computer Science Orientation	4
MTH86	Computer Technology Mathematics ¹	4
		Credits
		16
Winter		
CIS140U	Intro to Operating Systems: Unix	4
CIS145	Hardware Installation Support	4
CIS152	Network Routing & Switching Config	4
CS195	Web Development I	3
		Credits
		15
Spring		
BA110	Group Dynamics for Teams ²	3
CIS188	Wireless Networking	3
CIS225	End User Support	4
CS133WS	Computer Language I: Web Scripting	4
WR115	Fundamentals of Report Writing (or higher) ³	3
		Credits
		17
Second Year		
Fall		
CIS250	Technology Entrepreneurship	3
CS275	Database Management	4
PE231	Wellness for Life ⁴	3
Specific Elective ⁵		7
		Credits
		17
Winter		
CIS279	Network Server Administration	4
CS244	Systems Analysis	3
SP100	Basic Speech Communications (or higher) ⁶	3
Specific Elective ⁵		3

Specific Elective ⁵		4
	Credits	17
Spring		
CIS280	CWE: Computer Info Systems	4
CIS297	IT Professional Capstone	4
Specific Elective ⁵		3
Specific Elective ⁵		4
	Credits	15
	Total Credits	97

¹ MTH105 or higher, excluding MTH211, may be substituted for MTH86.

² BA120, BA285, PSY100, PSY201, PSY203 may be substituted for BA110.

³ Excluding WR241, WR242, WR243, and WR250.

⁴ HE250 or three (3) credits of PE185 sport/activity courses may be substituted for PE231.

⁵ Specific Electives: Any AC, BA or CS/CIS course not required for the degree; WR227, MTH65, MTH95 or higher, ART225.

⁶ SP111, SP218, SP219 may be substituted.

* All Honors courses may substitute for their equivalent requirements.