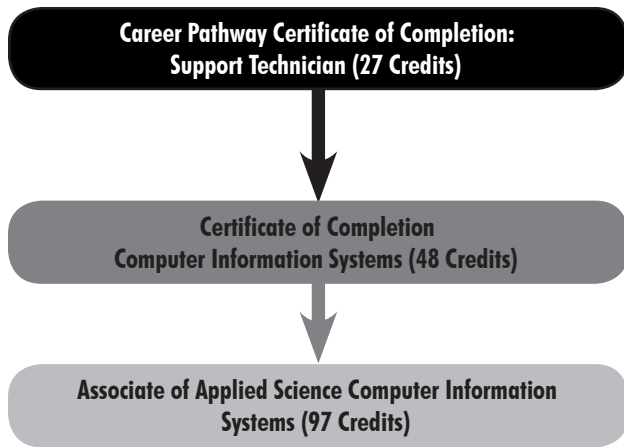


ASSOCIATE OF APPLIED SCIENCE COMPUTER INFORMATION SYSTEMS



The Associate of Applied Science (AAS) Computer Information Systems (CIS) degree offers a program that provides students a curriculum consisting of a broad foundation of courses focused on technical support in a networked environment. This degree prepares students for a wide variety of employment opportunities in the computer information services industry. The program offers students the opportunity to gain a combination of knowledge and practical hands-on experience to support both an organization's information technology infrastructure and the people who use it. The CIS program additionally provides a broad variety of professional continuing education, classes and certificates for professionals already working in the field and provides technology service classes for students studying in other disciplines.

Students completing the AAS CIS will be prepared to seek entry-level employment and entrepreneurial in occupations such as network administrators, systems administrators, 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 AA/OT, AGS or AS degree options.

PROGRAM STUDENT LEARNING OUTCOMES

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

- Install, configure, use and maintain commonly used business software.
- Install, configure, maintain and troubleshoot workstation hardware, operating systems and network environments.
- Apply project life cycle concepts to assist in finding solutions to business needs.
- 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 needs of customers and coworkers.
- Demonstrate the skills and knowledge to install, configure, and maintain end-user computer systems.
- 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.

GRADUATION REQUIREMENTS

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

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

PROGRAM REQUIREMENTS

COMPUTER INFORMATION SYSTEMS

ASSOCIATE OF APPLIED SCIENCE COMPUTER INFORMATION SYSTEMS

PREREQUISITES	WR90 (3) Paragraph Fundamentals (or placement test score)	MTH60 (4) Algebra I (or placement test score)	Reading Score of ASSET42 COMPASS81	CIS90 (2) Computer Basics (or demonstrate proficiency)
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FALL = 16 CREDITS	CIS120X (4) Computing Concepts and Problem Solving for CIS Majors ¹	CIS151 (4) Network Essentials	CIS140M (4) Introduction to Operating Systems - Microsoft	MTH86 (4) Computer Technology Mathematics ²
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WINTER = 15 CREDITS	CIS140U (4) Introduction to Operating Systems - Unix	CIS152 (4) Network Router Configuration	CS195 (3) Web Development I	CIS145 (4) Hardware Installation Support
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SPRING = 17 CREDITS	WR115 (3) Introduction to Expository Writing (or higher)	CIS225 (4) End User Support	CS133WS (4) Computer Language I - Web Scripting	BA110 (3) Group Dynamics for Teams ³	CIS188 (3) Wireless Networking
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48 CREDITS = FIRST YEAR TOTAL REQUIREMENT

FALL = 17 CREDITS	CS160 (4) Computer Science Orientation	CS275 (4) Database Management	CIS250 (3) Small Business Management Entrepreneurship	PE231 (3) Wellness for Life ⁴	(3) Specific Elective ⁵
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WINTER = 17 CREDITS	CS161 (4) Introduction to Computer Science I	CIS244 (3) System Analysis	SP100 (3) Basic Speech Communication ⁶	CIS279 (4) Network Management I (Network Hardware)	(3) Specific Elective ⁵
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SPRING = 15 CREDITS	CS162 (4) Introduction to Computer Science II	CS297 (4) Capstone Project	CIS280 (4) CWE: Computer Information Systems	(3) Specific Elective ⁵
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49 CREDITS = SECOND YEAR TOTAL REQUIREMENT

97 CREDITS = TOTAL PROGRAM REQUIREMENT

PROGRAM NOTES

¹CS160 may be substituted for CIS120X.

²MTH105 or higher may be substituted for MTH86.

³BA120, 285; HS150; PSY100, 201, 203 may be substituted for BA110.

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

⁵Specific Electives: Any CS/CIS, BA, AC course not required for the degree; WR227, MTH65, 95, or higher; ART225, or MFG4101.

⁶SP100 or higher may be taken.