

Computer Information Systems

Computer Information Systems emphasizes the practical business applications of computing. Graduates in this major go on to work for industry and business where they construct and analyze databases, program systems for accounting and inventory, and monitor human resources, among other business-related functions. Students not only take computer classes, they take a strong complement of liberal arts and business courses to prepare them to enter the business world.

Contact us

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 Visit the Computer and Information
 Sciences Department Web site at
www.sau.edu/cis
 For general information about
 St. Ambrose or how to apply:
 Admissions Office
 563/333-6300 or 800/383-2627
 email: admit@sau.edu
www.sau.edu

Degrees offered and required credit hours

St. Ambrose University offers a Bachelor of Arts in Computer Information Systems (CIS). The CIS degree requires between 54 and 63 credit hours, including 30 credit hours in computer science, between 12 and 21 credit hours in business and accounting, and 9 credit hours from the areas of math, statistics and communication. Students can select to minor in one of the College of Business and academic areas we offer to fulfill the business component of the degree. A CIS minor is offered for students majoring in a Business discipline.

Program highlights and courses

The St. Ambrose CIS program emphasizes computer science concepts with particular attention to programming, systems analysis and design for both business and commercial applications. Students work with experienced faculty to transfer theory and technical proficiency to the workplace. An internship is strongly recommended.

See our course catalog at www.sau.edu/catalog for a full description of required and elective courses.

Internships

Students are encouraged to participate in internship programs to receive quality hands-on experience. CIS students have received internships at various regional and national corporations, including Deere and Company, Genesis Health System, Caterpillar, and local CPA firms.

Alumni

Companies such as the Principal Financial Group, Rockwell International, Deere and Company, Caterpillar, State Farm Insurance, and the U.S. Army Corps of Engineers have hired St. Ambrose CIS graduates.

About the faculty

Kenneth R. Grenier MA, Assistant Professor and Department Chair
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Prof. Grenier holds a master's degree in applied science from Augustana College and an MBA from the University of Iowa. He has 25 years of major industry experience in the computer systems design and support areas. Additionally, Prof. Grenier is a partner in a local business-consulting firm serving small businesses in the Quad Cities area. He teaches core courses in the CNA and CIS degree programs and has been teaching at the college/university level since 1992. He has taught at St. Ambrose since 1998.

Kevin Lillis MA, Assistant Professor
 LillisKevinM@sau.edu

Prof. Lillis worked professionally for 14 years as an electrical engineer in the field of commercial nuclear power generation and has been a member of IEEE since 1981. He currently teaches undergraduate and graduate level courses in computer science and networking. He holds a master's degree in computer science from Marycrest

International University and is pursuing his doctorate at the University of Iowa. He has taught at St. Ambrose since 1999.

Mark McGinn MA, Assistant Professor

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Prof. McGinn has worked in the computer field for 25 years. In addition to teaching full-time, he has done contract work for various accounting firms, the U.S. Army and Deere and Company. He holds master's degrees from Illinois State University, Marycrest College and the University of Iowa. He has been a member of the Association for Computing Machinery (ACM) for over 20 years. He mainly teaches courses in the Computer Network Administration and Master of Science in Information Technology Management programs with expertise in computer and network security. He has taught at St. Ambrose since 1998.

Gary Monnard PhD, Associate Professor

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Prof. Monnard teaches Introduction to Computer Science and Computer Systems. His professional interests include programming languages, artificial intelligence, and legal and ethical issues in computing. He holds a master's degree in computer science from Wright State University and a doctoral degree in philosophy from the University of Notre Dame. Prof. Monnard began teaching at St. Ambrose in 2004.

Killian Roh PhD, Professor

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Prof. Roh's professional experience spans more than 25 years at St. Ambrose University alone, where he teaches programming languages, algorithms and data structures, computer organizations, operating systems theory, Internet and World Wide Web programming. He also develops computer science curricula. Prof. Roh is a member of IEEE Computer Society and ACM. He earned his master's at the University of Illinois and his PhD at the University of Iowa.