THE PROGRAM
Most people spend a good portion of their day in front of a computer—whether desktop, laptop, tablet or even phone. Everything people do on any type of computer is the result of Computer Information Systems (CIS) professionals. The CIS program at Kishwaukee College offers courses that will prepare students for nearly any career in the CIS world. For students interested in network and systems administration, Kishwaukee College has a CIS curriculum that emphasizes networking technologies.

The CIS certificates specialize in particular areas of interest. Certificates are designed to be completed by a part-time student in one to two academic years and allow the student to focus on the area most relevant to his or her interests and job needs. Each certificate provides students with a variety of opportunities to customize their education based on their interests and needs. Kishwaukee College’s Computer Information Systems courses and programs are always being reviewed and updated to respond to trends in the business world.

The CIS program is part of the Information Technology Career Cluster: Building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services. For more information, visit www.careertech.org/career-clusters/Computer Information Systems

CAREER OPPORTUNITIES
• Broaden skill set for new positions
• Stay current in present employment
• Entry level positions maintaining hardware and help desk
• Office or administrative assistant positions

ADDITIONAL SOURCES OF INFORMATION
DEPARTMENT
David Klick, Instructor
815-825-9337
dklick@kish.edu

STUDENT SERVICES
Advising
815-825-9375
Computer Information Systems

COMPUTER PROGRAMMING
Curriculum No. 451
This certificate is available for students who are interested in pursuing a career as a computer programmer. Graduates will be proficient at C/C++ or Java, as well as other languages based upon their elective choices. Requires 27 credit hours.

FIRST YEAR
Fall Semester
- CIS 101 Introduction to Computers OR
- CIS 123 Management Information Systems (3)
- CIS 111 Logic and Program Design (3)
- CIS 150 C++ Programming I (3)
- CIS 160 Java Programming I (3)

Spring Semester
- CIS 119 JavaScript (3)
- CIS 237 Database Management and SQL (3)
- CIS 250 C++ Programming II (3)
- CIS 260 Java Programming II (3)
- CIS 265 Server-Side Programming (3)

WEB DEVELOPMENT
Curriculum No. 454
This certificate is available for students who are pursuing a career as a Web Developer. The Web Developer would work directly on design and development of the websites. Requires 34 credit hours.

FIRST YEAR
Fall Semester
- CIS 101 Introduction to Computers OR
- CIS 123 Management Information Systems (3)
- CIS 111 Logic and Program Design (3)
- CIS 115 Internet Fundamentals (2)
- CIS 118 Foundations of Web Site Development (3)
- CIS 160 Java Programming I (3)
- CIS 140 Networking Fundamentals OR
- CIS 170 Introduction to Unix (3-4)

Spring Semester
- BUS 101 Introduction to Business (3)
- CIS 119 JavaScript (3)
- CIS 122 Website Creation Software (2)
- CIS 237 Database Management and SQL (3)
- CIS 260 Java Programming II (3)
- CIS 265 Server-side Programming (3)

MICROCOMPUTER APPLICATIONS
Curriculum No. 452
This certificate is available for students who are interested in employment in business and government in jobs that require general computer skills. General computing skills are stressed along with popular application packages. Requires 20.5 credit hours.

FIRST YEAR
Fall Semester
- CIS 101 Introduction to Computers OR
- CIS 123 Management Information Systems (3)
- CIS 105 Introduction to Microsoft Windows (1)
- CIS 115 Internet Fundamentals (2)
- CIS 133 Spreadsheets/Excel OR
- OS 133 Spreadsheets/Excel (3)
- OS 125 Word Processing/Word (3)

Spring Semester
- CIS 135 Database/Access OR
- OS 135 Database/Access (3)
- OS 136 Presentation Graphics/PowerPoint (1.5)
- CIS Electives (4)

NETWORK ADMINISTRATION
Curriculum No. 467
This certificate is available for students who are interested in employment in the IT field with a specialization in Network Administration. Requires 25 credit hours.

FIRST YEAR
Fall Semester
- CIS 140 Networking Fundamentals (4)
- CIS 182 Windows Server Fundamentals I (3)

Spring Semester
- CIS 142 PC Repair and Configuration (3)
- CIS 282 Windows Server II Networking (3)

SECOND YEAR
Fall Semester
- CIS 170 Introduction to Unix (3)
- CIS 184 Windows Professional Configuration (3)

Spring Semester
- CIS 270 Fundamentals of Linux Administration OR
- CIS 282 Windows Server II Networking (3)

PC TECHNICIAN
Curriculum No. 466
This certificate is available for students who are interested in employment in the IT field with a specialization in Personal Computer Technician. Requires 16 credit hours.

FIRST YEAR
Fall Semester
- CIS 140 Networking Fundamentals (4)
- CIS 170 Introduction to Unix (3)

Spring Semester
- CIS 142 PC Repair and Configuration (3)

SECOND YEAR
Fall Semester
- CIS 182 Windows Server Fundamentals I (3)
- CIS 184 Windows Professional Configuration (3)

CISCO NETWORKING
Curriculum No. 468
This certificate is available for students who are interested in employment in Cisco Networking. Requires 26 credit hours.

FIRST YEAR
Fall Semester
- CIS 140 Networking Fundamentals (4)
- CIS 170 Introduction to Unix OR
- CIS 182 Windows Server Fundamentals I (3)

Spring Semester
- CIS 270 Fundamentals of Linux Administration OR
- CIS 282 Windows Server II Networking (3)

SECOND YEAR
Fall Semester
- CIS 145 Cisco Networking I (4)
- CIS 146 Cisco Networking II (4)

Spring Semester
- CIS 147 Cisco Networking III (4)
- CIS 148 Cisco Networking IV (4)