

Computer Information Systems

THE PROGRAM

Everything people do on any type of computer (desktop, laptop, tablet, phone) is the result of Computer Information Systems (CIS) professionals. Certificates provide students with a variety of opportunities to customize their educational interests and needs. Kish's CIS program is consistently updated to reflect the latest technology and 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/.

GOOGLE IT SUPPORT PROFESSIONAL

Curriculum No. 411

This certificate is available for students who are interested in employment in an entry level IT support role, using Google's online IT Support Professional Curriculum. Topics include duties of IT support staff, configuring software and accounts, networking security, and troubleshooting. Requires 6 credit hours.

REQUIRED COURSE		
CIS 190	Google IT Support	(6)

NETWORKING FUNDAMENTALS

Curriculum No. 412

This certificate emphasizes fundamental skills necessary to perform duties in the networking environment. Students will earn the Google IT Support Professional Certification and receive training necessary to prepare them for the Net+ and Microsoft Server certification exams. Requires 16 credit hours.

REQUIRED COURSES		
CIS 140	Networking Fundamentals	(4)
CIS 182	Windows Server Fundamentals I	(3)
CIS 190	Google IT Support	(6)
Choose ONE of the following Certificate ELECTIVES:		
COM 108	Communication in the Workplace	(3)
CIS 296	CIS Internship	(3)

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 28 credit hours.

ONE YEAR PROGRAM		
Fall Semester		
CIS 101	Introduction to Computers OR	
CIS 123	Management Information Systems	(3)
CIS 111	Intro to Programming: Python	(3)
CIS 150	C++ Programming I	(3)
CIS 160	Java Programming I	(3)
Spring Semester		
CIS 119	Java Script	(3)
CIS 140	Networking Fundamentals	(4)
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 28 credit hours.

ONE YEAR PROGRAM		
Fall Semester		
CIS 101	Introduction to Computers OR	
CIS 123	Management Information Systems	(3)
CIS 111	Intro to Programming: Python	(3)
CIS 118	Web Site Development	(3)
CIS 160	Java Programming I	(3)
Spring Semester		
CIS 119	Java Script	(3)
CIS 140	Networking Fundamentals	(4)
CIS 170	Introduction to UNIX	(3)
CIS 260	Java Programming II	(3)
CIS 265	Server-side Programming	(3)

Continue to side 2 for more certificates . . .

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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.

ONE YEAR PROGRAM		
Fall Semester		
CIS 140	Networking Fundamentals	(4)
CIS 182	Windows Server Fundamentals I	(3)
CIS 190	Google IT Support	(6)
Spring Semester		
CIS 170	Introduction to UNIX	(3)
CIS 282	Windows Server II Networking	(3)
CIS 283	Network Security+	(3)
Choose ONE of the following Certificate ELECTIVES:		
CIS 123	Management Information Systems	(3)
CIS 296	CIS Internship	(3)
COM 108	Communication in the Workplace	(3)

NETWORK SECURITY SPECIALIST

Curriculum No. 480

This certificate is available for students who are interested in entry-level employment in the IT field with a specialization in network security. Successful completion will prepare students to earn several industry-recognized credentials, such as Network+, Microsoft Server, and CompTIA Security+ certifications. Requires 16 credit hours.

ONE YEAR PROGRAM		
Fall Semester		
CIS 140	Networking Fundamentals	(4)
CIS 182	Windows Server Fundamentals I	(3)
Spring Semester		
CIS 170	Introduction to UNIX	(3)
CIS 282	Windows Server II Networking	(3)
CIS 283	Network Security+	(3)

CYBERSECURITY SPECIALIST

Curriculum No. 484

The certificate offers an opportunity to gain valuable competencies in the IT field of cybersecurity. It combines foundation theoretical knowledge with practical skills to train workers to protect resources from unauthorized access or attacks. Successful completion will prepare students to earn industry-recognized credentials, such as Network+, Microsoft Server, and CompTIA Security+ certifications. Requires 28 credit hours.

FIRST YEAR – Fall Semester		
CIS 140	Networking Fundamentals	(4)
CIS 182	Windows Server Fundamentals I	(3)
Spring Semester		
CIS 170	Introduction to UNIX	(3)
CIS 265	Server-Side Programming	(3)
CIS 282	Windows Server II Networking	(3)
CIS 283	Network Security+	(3)
SECOND YEAR – Fall Semester		
CIS 123	Management Information Systems	(3)
CIS 285	Cybersecurity	(3)
CIS 296	CIS Internship OR	
COM 108	Communication in the Workplace	(3)

Additional Sources of Information:

DEPARTMENT

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STUDENT SERVICES

Advising
 815-825-9375