

COMPUTER INFORMATION SYSTEMS

(Also see Computer Applications for Business, Computer Networking and Systems, and Electronics and Computer Technology)

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The CIS program offers computer courses for students with various levels of computer proficiency. Course offerings allow students to learn emerging technologies and upgrade technical skills. Students who want to become computer professionals can learn the technical, analytical, and communication skills needed in computer careers, such as entry-level computer programmer, business analyst, computer support specialist, Web site developer, Webmaster, Linux administrator, or database administrator. Courses are geared towards students who plan to continue their education at another institution of higher learning, as well as students who are relatively new to using a computer or who want to improve personal computer skills.

Course offerings include computer literacy; programming logic; programming languages; mobile programming; Web scripting; cascading style sheets; database-driven Web sites; Web authoring software; operating systems; technical writing; information systems management; systems analysis and design; project management; and database management including database concepts, SQL, Oracle database administrator, and database programming. Courses are also offered to create "just-in-time" short training modules to support basic training and updating of skills. Most courses are held in the computer lab where students receive hands-on training. Opportunities for internships are available.

Oakton offers the A.A.S. Degree with emphasis in either Software Development or Computers and Information Systems. In addition, 15 certificate programs are offered. These include: Software Developer; Essential Applications of AI; Artificial Intelligence and Machine Learning; PC Support Specialist; Oracle Database Administrator (DBA); Linux; Internet and Computer Core (IC3); Computer User; Microsoft Project Management Preparation; Management of Information Systems (MIS); Web Site Support and Maintenance; Web Site Developer; and Advanced Web Site Developer. The Computer Technology certificate gives the student an opportunity to select specific coursework as part of the "build your own" technology certificate. The General Programmer certificate gives the student the opportunity to select classes as part of a "build your own" programming curriculum. Many of these certificates may lead to Oracle, Linux or Microsoft industry certifications.

Students in Computer Information Systems (CIS) curricula must receive a minimum grade of C in all CIS, CAB, CNS, CSC, ELT, and MGT courses leading to a CIS degree or CIS certificate.