

INFORMATION TECHNOLOGY



Certificate

Minimum 29 hours

Career & Technical Education • Certificate • Minimum 2.25 OGPA • Major Code: CINF

Fall Semester		Credit Hrs
IT 119	Basic Software Applications	3
IT 153	IT Essentials I	4
IT 155	Fundamentals of UNIX	4
IT 215	Network Fundamentals	4
Total Hours		15

Spring Semester		Credit Hrs
IT 151	Operating Systems	3
IT 195	Computer Security I	4
IT 217	LAN Administration	4
IT ELECTIVE		3
Total Hours		14

Electives: IT 110-2 Basic Computer Assembly & Repair, IT 115-2 Introductory Word Processing, IT 116-2 Introductory Spreadsheets, IT 117-2 Introductory Databases, IT 118-2 Introductory Presentation Software, IT 131-2 Introductory Web Design, IT 114-2 Introductory Operating Systems, IT132-2 Introductory Programming, IT 111-2 Intro to Information Technology, IT 113-2 Social Networking & Web 2.0, IT 210 -2 Introductory Networking, IT 133-3 Systems Analysis, IT 135-3 Advanced Software Applications, IT 130-4 Fundamentals of Electricity, IT 191-3 Fundamentals of Web Design, IT 190-3 Web Site Development, IT 196-4 Computer Security II, IT 170-2 Computer Network Gaming, IT 171-3 Introduction to Game Design, IT 173-3 Programming I, IT 216-4 Router Theory and Technology, IT 218-4 Wide Area Networks, IT 219-4 LAN Switching and Wireless, IT 230-4 Internship, IT 271-3 Database Management, IT 290-4 Selected Topics

This certificate prepares students to test for industry standard certification such as Microsoft Certified Professional, CompTIA A+, CompTIA Server+, CompTIA Linux+ and CompTIA Network.

This Information Technology (IT) Program is designed to prepare individuals for entry-level positions in the areas of computer repair and computer network administration. This program specialized in installation, configuration, troubleshooting, maintenance and repair of computers and networks.

This is a Gainful Employment Certificate Program that prepares the student for gainful employment in a recognized occupation. Information regarding program length, cost, average loan debt and completion rates for this program is available at http://www.sic.edu/ge_information_technology. You may also access Gainful Employment information from the SIC home page by selecting "Your Right to Know" from the footer of the page, and then selecting the Gainful Employment Programs option.

Occupational information about this program is available at O*NET online www.onetonline.org. Once at that website enter the SOC Code that is listed for this program.

O*NET – SOC Code:
15-1151.00
15-1152.00

Career Opportunities:

Computer Network System Administrator, Local Area Network Administrator, Computer Technician, Network Installation Technician, Computer Hardware Repair Technician

Major Employers:

Public and Private Utilities, Manufacturing and Industrial Plants, Banking Firms, Insurance Firms, Medical Facilities, Law Firms, Government Agencies, Colleges and Universities, School Systems, Newspaper and other Publishing Firms, Communication Companies, Electronic Companies, Computer Equipment Sales, Computer Equipment Services Agencies, Data Processing Service Firms, Transportation Companies, Retail Stores

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