

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 157 or IT 217	IT Support Specialist or LAN Administration	4/5
Total Hours		15/16

Spring Semester		Credit Hrs
IT 151	Operating Systems	3
IT 195	Computer Security I	4
IT 215	Network Fundamentals	4
IT ELECTIVE		3
Total Hours		14

Placement test scores are not required for this program.

Electives: IT 110-2 Basic Computer Assembly & Repair, IT 111-2 Intro to Information Technology, IT 113-2 Social Networking & Web 2.0, IT 114-2 Introductory Operating Systems, IT 115-2 Introductory Word Processing, IT 116-2 Introductory Spreadsheets, IT 117-2 Introductory Databases, IT 118-2 Introductory Presentation Software, IT 130-4 Fundamentals of Electricity, IT 131-2 Introductory Web Design, IT 132-2 Introductory Programming, IT 133-3 Systems Analysis, IT 134-1 Physical and Mental Sides of eSports, IT 135-3 Advanced Software Applications, IT 136-1 eSports Fundamentals, IT 137-1 eSports Practicum, IT 154-2 History and Evolution of Video Games, IT 170-2 Computer Network Gaming, IT 171-3 Introduction to Game Design, IT 173-3 Programming I, IT 191-3 Fundamentals of Web Design, IT 190-3 Web Site Development, IT 196-4 Computer Security-PenTest, IT 210-2 Introductory Networking, 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 MD-100, CompTIA A+, Google IT Support Specialist, 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.

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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