

INFORMATION TECHNOLOGY-SECURITY



A.A.S. Degree

Minimum 63 hours

Career & Technical Education • Associate in Applied Science Degree • Minimum 2.25 OGPA • Major Code: DITS

FIRST YEAR

| Fall Semester | | Credit Hrs |
|------------------------------|-----------------------------|------------|
| COMMUNICATION SKILLS | | 3 |
| SOCIAL & BEHAVIORAL SCIENCES | | 3 |
| IT 119 | Basic Software Applications | 3 |
| IT 153 | IT Essentials I | 4 |
| IT 173 | Programming I | 3 |
| Total Hours | | 16 |

| Spring Semester | | Credit Hrs |
|---|---------------------------|------------|
| MATHEMATICS, SCIENCE, HEALTH, NUTRITION | | 3/4/5 |
| IT 151 | Windows Operating Systems | 3 |
| IT 195 | Computer Security I | 4 |
| IT ELECTIVE | | 3 |
| IT ELECTIVE | | 3 |
| Total Hours | | 16/17/18 |

SECOND YEAR

| Fall Semester | | Credit Hrs |
|----------------------|----------------------|------------|
| COMMUNICATION SKILLS | | 3 |
| IT 155 | Fundamentals of UNIX | 4 |
| IT 215 | Network Fundamentals | 4 |
| IT 196 | Computer Security II | 4 |
| IT ELECTIVE | | 3 |
| Total Hours | | 18 |

| Spring Semester | | Credit Hrs |
|---|--------------------|------------|
| MATHEMATICS, SCIENCE, HEALTH, NUTRITION | | 3/4/5 |
| IT 217 | LAN Administration | 4 |
| IT ELECTIVE | | 3 |
| IT ELECTIVE | | 3 |
| Total Hours | | 13/14/15 |

COMMUNICATION SKILLS (Minimum of six semester hours): ENG 121-3 Rhetoric and Composition, ENG 122-3 Rhetoric & Composition II, COM 144-3 Interpersonal Communications, COM 146-3 Business & Professional Communications

MATHEMATICS, SCIENCE, HEALTH, NUTRITION (Minimum of six semester hours, three of which must be mathematics): BIOL 121-4 Introductory Biology, BIOL 141-4 Environmental Science, BOT 121-4 Plants and Society, CHEM 123-4 Basic Inorg/Organic Chemistry, ECE 142-3 Health, Safety & Nutrition, FCS 124-3 Introduction to Nutrition, HYG 121-3 Science of Personal Health, MATH 125-4 General Education Statistics, MATH 128-4 College Algebra, MATH 144-4 Heart of Mathematics, MATH 151-4 Occupational Math, PHYS 121-3 Basic Physics

SOCIAL & BEHAVIORAL SCIENCES (Minimum of three semester hours): PSYC 121-3 Intro to Psychology, PSYC 131-3 Human Relations, SOC 121-3 Introductory Sociology

IT 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, IT132-2 Introductory Programming, IT 135-3 Advanced Software Applications, IT 170-2 Computer Network Gaming, IT 171-3 Introduction to Game Design, IT 190-3 Web Site Development, IT 191-3 Fundamentals of Web Design, 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 273-3 Programming II, IT 290-4 Selected Topics

This degree 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.

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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