

INFORMATION TECHNOLOGY-PROGRAMMING



A.A.S. Degree

Minimum 62 hours

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

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 273**	Programming II	3
GENERAL ELECTIVE OR 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
GENERAL ELECTIVE OR IT ELECTIVE		3
GENERAL ELECTIVE OR IT ELECTIVE		3
Total Hours		17

Spring Semester		Credit Hrs
MATHEMATICS, SCIENCE, HEALTH, NUTRITION		3/4/5
IT 157 or IT 217	IT Support Specialist LAN Administration	4/5
GENERAL ELECTIVE OR IT ELECTIVE		3
GENERAL ELECTIVE OR IT ELECTIVE		3
Total Hours		13/14/15/16

COMMUNICATION SKILLS (Minimum of six semester hours): ENG 121-3 Rhetoric and Composition, ENG 122-3 Rhetoric & Composition II, COM 121-3 Principles of Public Speaking, 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, HLTH 121-3 Science of Personal Health, MATH 141-3 Statistics, MATH 128-3 College Algebra, MATH 144-3 Heart of Mathematics, MATH 151-4 Occupational Math, PHYS 121-3 Basic Physics

SOCIAL & BEHAVIORAL SCIENCES (Minimum of three semester hours): This can be any GECC Social & Behavioral Science course

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, 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 190-3 Web Site Development, IT 191-3 Fundamentals of Web Design, 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

**IT 173 Programming I and IT 273 Programming II are offered during alternating years.

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

7/25