INFORMATION TECHNOLOGY-PROGRAMMING

 SOUTHEASTERN ILLINOIS COLLEGE

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
ENG 121	Rhetoric & Composition I	3
SOCIAL & BEHAVIORAL SCIENCES		3
IT 119	Basic Software Applications	3
IT 153	IT Essentials I	4
HUMANITIES ELECTIVE		3
	Total Hours	16

Spring Semester		Credit Hrs
IT 151	Windows Operating Systems	3
IT 195	Computer Security I	4
IT 215	Network Fundamentals	4
COM 121	Principles of Speaking	3
MATHEMATICS, SCIENCE, HEALTH, NUTRITION		3/4/5
	Total Hours	17/18/19

SECOND YEAR

Fall Semester		Credit Hrs
IT 155	Fundamentals of UNIX	4
IT 157 or IT 217	IT Support Specialist LAN Administration	4/5
IT 173	Programming I	3
GENERAL ELECTIVE OR IT ELECTIVE		3
Total Hours		14/15

Spring Semester		Credit Hrs
MATHEMATICS, SCIENCE, HEALTH, NUTRITION		3/4/5
IT 133	Systems Analysis	3
IT 273	Programming II	3
GENERAL ELECTIVE OR IT ELECTIVE		3
GENERAL ELECTIVE OR IT ELECTIVE		3
	Total Hours	15/16/17

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 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 190-3 Web Site Development, IT 191-3 Fundamentals of Web Design, IT 196-4 Computer Security II, 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 degree 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.

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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