

# INFORMATION TECHNOLOGY



A.A.S. Degree

Minimum 62 hours

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

## 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
COM 121	Principles of Speaking	3
GENERAL ELECTIVE OR IT ELECTIVE		3
GENERAL ELECTIVE OR IT ELECTIVE		3
Total Hours		17/8

## SECOND YEAR

Fall Semester		Credit Hrs
IT 155	Fundamentals of UNIX	4
IT 215	Network Fundamentals	4
MATHEMATICS, SCIENCE, HEALTH, NUTRITION		3/4/5
IT ELECTIVE		3
Total Hours		14/15/16

Spring Semester		Credit Hrs
MATHEMATICS, SCIENCE, HEALTH, NUTRITION		3/4/5
IT 133	Systems Analysis	3
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		15/16/17

**HUMANITIES & FINE ARTS:** MUS 121-3 Music Appreciation, THTR 121-3 Introduction to Theater, ENG 245-3 World Literature, ENG 246-3 Modern Literature, PHIL 121-3 Introduction to Philosophy, PHIL 122-3 Fundamentals of Logic, PHIL 221-3 Fundamentals of Ethics

**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, BUS 191-3 Financial Accounting

**GENERAL ELECTIVE:** This can be any transfer or baccalaureate 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 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 273-3 Programming II, IT 290-4 Selected Topics

\*SIU-C Preferred Courses underlined

**Through the unique Capstone Program** at Southern Illinois University, Carbondale, Illinois, the A.A.S. Degree in Information Technology can be applied toward a four-year B.S. Degree in Information Systems Technologies at SIU-C. Students can apply to SIU-C before or after they receive the A.A.S. Degree. See a counselor for an application to the Capstone Program. Students must have an OGPA of at least 2.25. Please discuss specific program requirements with your advisor.

**Franklin University** accepts the Information Technology AAS Degree or the Computer Information Systems AAS Degree from Southeastern toward a Bachelor's Degree in Computer Science, Information Technology, Management Information Sciences, or Web Development. In addition to the AAS Degree, students can take the following general education requirements at Southeastern: 8 hrs. SCIENCE (select), 8 hrs. HUMANITIES & FINE ARTS (select), MATH 128-4 College Algebra, MATH 143-4 Applied Calculus, MATH 141-4 Statistics, and COM 121-3 Principles of Speaking.

**This degree prepares students to test for industry-standard certifications such as Microsoft Office User Specialist, Microsoft MD-100, COMP TIA A+, LPI Linux Essentials, COMP TIA Network+, Comp TIA Security+, and the Google IT Support Professional Certification.**

**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 specializes 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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