

# 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
IT ELECTIVE		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 or <u>HUMANITIES ELECTIVE</u>		3
IT ELECTIVE		3
Total Hours		16/17/18

## SECOND YEAR

Fall Semester		Credit Hrs
COM 121	Principles of Speaking	3
IT 155	Fundamentals of UNIX	4
IT 215	Network Fundamentals	4
IT ELECTIVE		3
IT ELECTIVE OR <u>BUS 191</u>		3
Total Hours		17

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

**HUMANITIES & FINE ARTS:** ART 121-3 Art Appreciation, 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 Introduction to Botany, 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

**IT ELECTIVES:** IT 110-2 Basic Computer Assembly & Repair, IT 115-2 Introductory Word Processing, IT 116-2 Introductory Spreadsheets, IT 117-2 Introductory Databases, IT 118-2 Introductory Presentation Software, IT 131-2 Introductory Web Design, IT 114-2 Introductory Operating Systems, IT132-2 Introductory Programming, IT 111-2 Intro to Information Technology, IT 113-2 Social Networking & Web 2.0, IT 210 -2 Introductory Networking, IT 135-3 Advanced Software Applications, IT 130-4 Fundamentals of Electricity, IT 191-3 Fundamentals of Web Design, IT 190-3 Web Site Development, IT 196-4 Computer Security II, IT 170-2 Computer Network Gaming, IT 171-3 Introduction to Game Design, IT 173-3 Programming I, 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, IT 133-3 Systems Analysis

\*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 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

12/15