

# IT LAN & SECURITY SPECIALIST

## Associate in Applied Science

<http://www.sandburg.edu/Academics/Degree-Certificates/IT%20LAN%20Security%20Specialist/index.html>

The degree program is designed to provide a comprehensive program to develop a skilled workforce in the emerging field of information technology security. Managing information security programs consists of preserving information, confidentiality and protection, risk management, data and system integrity, availability, authenticity, and utility. The program is based on information security concepts, principles, methods, techniques, practices, and procedures that guide today's IT security professionals. This program prepares graduates to become employed as IT security specialists, firewall and VPN specialists, and data assurance specialists. The degree program is designed with an IT Security core curriculum combined with a set of fundamental IT courses. In addition, the program requires the completion of a traditional group of general education courses.

### Admission to the Program: Open First-Time Enrollees

1. Complete an application for admission and, if desired, apply for financial aid.
2. Send an official high school transcript or GED score report to the Admissions and Records Office.
3. Complete the placement exam.
4. Meet with an advisor/counselor to select classes and complete the registration process.

### Computer Information Systems Course Completion Requirement

For credit toward degree requirements, all ICT courses must have been completed during the five school years preceding conference of the degree or must have the approval of the Dean of Career, Technical, and Health Education Programs or Program Coordinator.

\*NOTE: This program consists of one degree and four certificates.

### Department of Career, Technical & Health Education

2400 Tom L. Wilson Blvd.  
Galesburg, IL 61401  
Phone: 309.341.5363

### For Additional Information Contact:

The Welcome Center  
Phone: 309.345.3500  
[welcomecenter@sandburg.edu](mailto:welcomecenter@sandburg.edu)

### For Graduation Requirements:

See the graduation policies and procedures ([http://catalog.sandburg.edu/academicinformation/#graduation\\_policies\\_and\\_procedures](http://catalog.sandburg.edu/academicinformation/#graduation_policies_and_procedures)) page for details.

Course	Title	Semester Hours
<b>First Year</b>		
<b>Fall Semester</b>		
BOC.107	Tech Skills for Business Environment	3

ICT.110	Computer Software Applications	3
ICT.125	Foundations of Information Technology	3
ICT.170	Hardware Installation & Maintenance	3
ICT.180	Windows Networking & Operating System	3

### Spring Semester

BOC.120	Customer Service	2
ICT.135	Mobile Technologies	3
ICT.160	Introduction to Internetworking	3
ICT.182	Implementing Ms Network Infrastructure	3
MAT.109	Concepts of Mathematics	3
or	or General Education Statistics	
MAT.110	or Statistics for Social Science	
or SSC.120		

SPE.110	Interpersonal Communication	3
or SPE.120	or Introduction to Public Speaking	

### Summer Session

Choose 6 Credits from the Following General Education Courses:

PSY.101	Introduction to Psychology	6
or PSY.107	or Positive Psychology	
or SOC.101	or Introduction to Sociology	
or GEO.100	or Human Geography	
or HIS.105	or American History to 1877	

### Second Year

#### Fall Semester

ICT.165	LINUX 1	3
ICT.184	Managing Ms Windows Network Servers	3
ICT.255	Security + Fundamentals	3
ICT.260	Introduction to Internetwork Operating S	3
CRM.172	Introduction to Security	3

#### Spring Semester

ICT.225	Sql/Database Application	3
ICT.261	Introduction to Local Area Networks	3
ICT.262	Introduction to Wide Area Networks	3
ICT.270	Cisco Security	3
ICT.275	Virtualization	3
ICT.295	Internship	2

Total Semester Hours 70

### Higgins, Diana D

associate dean of career technical health education

### Herath, Suvineetha

Instructor, ICT