

2007-08 Catalog: Programs of Study

IT Security (Network Data Security) (2170)

Associate in Science or Associate in Applied Science

Securing network data, communications and Internet transactions is now one of the highest priorities in business and industry worldwide. Designed for IT professionals and others who want to gain an understanding of data and Internet security issues, technologies and administrative practices, our Network Data Security degree program leads to a wealth of career opportunities in network and e-commerce security. In this lab-based, hands-on program, you will utilize the latest security software and hardware. The program is taught at the practical applications level for those who will design, install, manage and troubleshoot security measures in data networks.

The Program

This is a limited access degree program. Students enrolling in this course should have a basic knowledge of network systems as gathered from work experience, college work, or self-learning, and an interest in exploring an exploding and dynamic field. CET 2759, CCNA Certification or consent of instructor is required to enroll.

Prerequisites

CET 2759, CCNA Certification or consent of instructor.

Career Opportunities, Rapid Placement

FCCJ is the regional resource for employers in every type of technology. Our partnerships with Cisco Systems, Dell, IBM, Microsoft, Oracle and Sun Microsystems provide career connections. An FCCJ intranet site posts jobs targeting our students. Graduates are regularly employed by CSX, JEA, Blue Cross Blue Shield, the City of Jacksonville, Medtronic, Mayo Clinic and other regional employers including the government and military.

Annual Salaries

Around \$62,000.

Cost

Estimated cost of tuition is \$4,183 (tuition rated for Florida residents, as of 7/07). Contact the program manager about additional costs (textbooks, fees and materials).

Need More Information? Contact:

Lance Wallace, Advanced Technology Center, 904.598.5676

Curriculum

| Course Number and Title | Credits |
|---------------------------------------|---------|
| General Education | |
| *Mathematics | 3 |
| *Social and Behavioral Sciences | 3 |
| ENC 1101 English Composition I | 3 |
| *Communications Category B | 3 |
| *Humanities | 3 |

Credit Hours **15**

Required Professional Courses

| | | |
|-----------------|--|-----------|
| CET 2626 | Building Scalable Networks | 3 |
| CET 1520 | Unix Fundamentals | 3 |
| CET 2752 | Network Administration | 3 |
| CET 2687 | Security+ | 3 |
| CET 2481 | Designing and Building Wireless Networks | 3 |
| CET 2660 | Managing Network Security | 3 |
| CET 2665 | Advanced Firewall Administration | 3 |
| CET 2662 | Techniques of Computer Hacking and Incident Handling | 3 |
| CET 2521 | Unix Administration I | 3 |
| CET 2681 | Intrusion Detection Systems and Auditing | 3 |
| CET 2627 | Building Multilayer Switched Networks | 3 |
| CET 2796 | Securing Windows | 3 |
| CET 1943 | Internship | 3 |
| | Credit Hours | 39 |

Professional Electives (minimum 9 credit hours)

| | | |
|-----------------|----------------------------------|----------|
| OST 1581 | Professional Development | 3 |
| CET 2628 | Building Remote Access Networks | 3 |
| CET 2629 | Internet Troubleshooting Support | 3 |
| LIS 1002 | Information Literacy | 1 |
| CET 1630 | Fiber, Voice and Data Cabling | 3 |
| CET 2636 | Home Integration | 3 |
| CET 2880 | Data Forensics | 3 |
| CET 2623 | Deploying Quality of Service | 3 |
| CET 2522 | Unix Administration II | 3 |
| CET 2682 | Voice over IP (VoIP) | 3 |
| CET 2675 | IP Telephony | 3 |
| CET 1175 | Technical Support | 3 |
| | Credit Hours | 9 |

Total Credit Hours **63**

*Refer to A.S./A.A.S. degree **General Education Requirements**.

Note

You have two options in this program: the associate in science (A.S.) degree, which can prepare you for employment or transfer to a state university, and the associate in applied science (A.A.S.) degree, which is intended primarily for students who want immediate employment after graduation. If you choose the A.S. degree you must take **MAC 1105**, **MGF 1106** or a higher level mathematics. The A.A.S. degree requires **MAT 1033** or higher. Please see an advisor to determine the option that is best for you.

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To request information, contact the Learner Support Center at info@fccj.edu or 904.646.2300.

Revised October 18, 2007