

ASSOCIATE OF APPLIED BUSINESS DEGREE

INFORMATION TECHNOLOGY

Network Security

This curriculum is a study of network security using current information technologies that are the driving force of today's business world. Networking security, as it applies to the Internet and intranets, will be explored in depth. A hands-on approach will be used to reinforce the concepts discussed in this curriculum. Please review the catalog course descriptions for prerequisites. The sequence of the courses starts in the fall quarter only and cannot be taken in the Virtual College.

MISSION STATEMENT:

The Information Technology Department delivers to the students an educational experience that leads to lifelong learning skills through field-experienced professionals using contemporary technology.

Curriculum:

108 Credit Hours

Length: 6 Quarters

Technical & Basic Requirements:

73 Credit Hours

BU109 Customer Service/3
BU115 Contract Law/5
BU120 Introduction to Business/3
DF100 Introduction to Digital Forensics/3
IT109 Welcome to Web 2.0 & New Media/2
IT113 Introduction to Computer Programming/3
IT125 Computer Hardware Fundamentals/3
IT130 Management of Information Security/3
IT150 Administering a Client Operating System/5
IT170 Ethics in Information Technology/3
IT183 Network Fundamentals/5
IT225 Virtual Environments/5
NS140 Open Source Fundamentals/3
NS193 Local & Wide Area Networks/5
NS230 Router Administration/5
NS240 Operating Systems Security/3
NS250 Open Source Server Administration/3
NS260 Firewall Administration/5
NS280 Intrusion Detection Systems Administration/3
NS292 Network Security Capstone/3

General Education Electives:

3 Credit Hours

Choose 100- or 200-level courses from the general education subject categories, which may include Art (AR), English (EN), History (HI), Math (MH), Political Science (PS), Psychology (PY), Religion (RE), Sociology (SO), Spanish (SP), or University Survey (UN).

Note: Elective courses can apply to only one degree level. The same course cannot be re-used to satisfy the elective requirements at the Associate's Degree level and again at the Bachelor's Degree level.

General Education Requirements:

32 Credit Hours

CO179 Introduction to Human Communication/3
EN180 Composition I/5
EN200 Composition II/5
MH190 Algebra/5
PY177 Introduction to Psychology/3
OR
SO186 Sociology/3
SC200 Principles of Ecology/3
UN110 First-Year Experience/2
UN220 Introduction to Diversity Issues/3
Any 100- or 200-level AR, EN, HI, RE, or SP course/3