**Los Medanos College**

**Associate of Science – Information Technology**
**Certificate of Achievement Information Technology (Basic)**
**Certificate of Achievement Information Technology (Advanced)**

The Information Technology Associate of Science degrees and the Basic and Advanced Certificates of Achievement program will prepare students for jobs in computer forensics and/or networking. These jobs require excellent technical skills and the ability to investigate and solve problems or crimes. Most organizations require network specialists. Given the rise in computer crimes, viruses, and computer hacking, the need for computer forensics professionals has increased in the government and in the private sector.

**Associate of Science – Information Technology Program Requirements:**

COMSC-010 Introduction to Computer Networking – 3 units
COMSC-011 Introduction to Network Operating Systems – 3 units
COMSC-012 Introduction to Network Security– 3 units
COMSC-040 Introduction to Computers– 4 units
COMSC-120 Computer Forensic Fundamentals– 3 units
COMSC-091 Information & Communication Technology Essentials – 4 units
BUS-059 Business Communications – 3 units
MATH-034 Introduction to Statistics – 4 units

Choose 3 units from the following list:
COMSC-041 Programming with Visual Basic.NET – 3 units
COMSC-044 Introduction to C++ Programming– 3 units
COMSC-051 Java for Programmers– 3 units
COMSC-122 Programming Concepts & Methodologies I – 3 units

*Total Units:  30*

*Total Units for the Degree:  60*

| | |
|---|---|
| Major Total: | 30 units |
| LMC GE Pattern: | 18-19 units |
| Electives (as needed) (CSU transferrable): | 11-12 units |
| Double-Counted: | 0 units |
| Total Degree (maximum): | 60 units |

**Certificate of Achievement Information Technology (Basic) Program Requirements:**

COMSC-10 Introduction to Computer Networking – 3 units
COMSC-40 Introduction to Computers – 4 units
COMSC-091 Information & Communication Technology Essentials – 4 units

Choose 3 units from the following list:
COMSC-041 Programming with Visual Basic.NET – 3 units
COMSC-044 Introduction to C++ Programming– 3 units
COMSC-051 Java for Programmers– 3 units
COMSC-122 Programming Concepts & Methodologies I – 3 units


Total Units:  14



**Certificate of Achievement Information Technology (Advanced ) Program Requirements:**

COMSC-010 Introduction to Computer Networking – 3 units
COMSC-011 Introduction to Network Operating Systems – 3 units
COMSC-012 Introduction to Network Security– 3 units
COMSC-040 Introduction to Computer– 4 units
COMSC-120 Computer Forensic Fundamentals– 3 units
COMSC-091 Information & Communication Technology Essentials – 4 units

Select one of:
COMSC-041 Programming with Visual Basic.NET – 3 units
COMSC-044 Introduction to C++ Programming– 3 units
COMSC-051 Java for Programmers– 3 units
COMSC-122 Programming Concepts & Methodologies I – 3 units

Total units: 23