INFORMATION TECHNOLOGY

Associate in Science in Information Technology
and
Certificate of Achievement in Information Technology

The program in Information Technology (IT) prepares students to either enter the workforce as an IT support technician or IT system administrator, or pursue a bachelor's degree in managing information systems. IT support technicians provide technical assistance to computer users. They may answer questions or resolve computer problems for clients in person, or via telephone or electronically. They may provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. Computer network technicians analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. They perform network maintenance to ensure networks operate correctly with minimal interruption. Graduates of the Associate in Science in Information Technology are prepared and eligible to sit for CompTIA's A+ and Network+ certification exams. Optional elective courses prep students for CompTIA's Server+ and Security+ exams.

Requirements for Associate in Science Degree:

a) Complete Major Field, Elective Courses, and Supporting Courses with a grade of C or better.
b) Complete Ohlone College General Education (Plan A), CSU GE (Plan B), or IGETC (Plan C) requirements. These requirements are specified in the Ohlone College catalog.
c) Complete at least 60 degree-applicable units with a 2.0 grade point average.
d) Complete at least 12 units at Ohlone College.

Requirements for Certificate of Achievement:

a) Complete Major Field, Elective Courses, and Supporting Courses.
b) Complete at least six units at Ohlone College.
c) Maintain a 2.0 grade point average in Major Field, Elective Courses, and Supporting Courses.

Student Learning Outcomes

1. Apply fundamental knowledge of computing and the current use of technology techniques, skills, and tools necessary for the computing practice.
2. Demonstrate the ability to locate, critically evaluate, and solve business problems with technology solutions using qualitative and quantitative information.
3. Demonstrate a fundamental ability to identify and analyze user needs in the selection, creation, evaluation, and administration of computer-based systems.
4. Provide information technology technical assistance to computer and network users.
5. Demonstrate appreciation of the IT career field and the need to be lifelong learners.
MAJOR FIELD
CNET-103  Introduction to Business Intelligence OR  4
CS-101  Introduction to Computers and Information Technology (3)
CNET-105  IT Essentials (CompTIA A+)  4
CNET-154  Computer Network Fundamentals (Network+) OR  3
CNET-155A  Introduction to Networks (CCNA1) (3)
CS-102  Introduction to Computer Programming Using C++  3

ELECTIVE COURSES
Complete a minimum of six units from the following courses:
CNET-108  IT Project Management  3
CNET-135  Oracle Database Administration  2
CNET-137  Introduction to SQL  4
CNET-151  Systems and Network Administration  3
CNET-155B  Routing and Switching Essentials (CCNA2)  3
CNET-170  Network Security (Security+)  4
CNET-173  Ethical Hacking  3
CNET-174  Computer Forensics  3

SUPPORTING COURSES
Complete a minimum of three units from the following courses:
CNET-140  Linux System Administration I (LPI-1)  4
CNET-146  Introduction to UNIX/Linux  3
CNET-162  Windows Server Installation and Configuration Administration  2
CNET-164  Windows Server Administration  2

Total Required Units: 22-26