



CURRICULUM GUIDE 2020-2021

INFORMATION TECHNOLOGY

Certificate of Achievement in Information Technology

The Certificate of Achievement in Information Technology 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, 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.

Earning this certificate of achievement is advantageous for students who already have a degree but are looking to update their existing skills. The courses required in this certificate can also be used towards the Associate in Science in Information Technology.

Requirements for Certificate of Achievement:

- Complete Major Field and Elective Courses.
- Complete at least six units at Ohlone College.
- Maintain a 2.0 grade point average in Major Field and Elective Courses.

Student Learning Outcomes

- Apply fundamental knowledge of computing and the current use of technology techniques, skills, and tools necessary for the computing practice.
- Demonstrate the ability to locate, critically evaluate, and solve business problems with technology solutions using qualitative and quantitative information.
- Demonstrate a fundamental ability to identify and analyze user needs in the selection, creation, evaluation, and administration of computer-based systems.
- Provide information technology technical assistance to computer and network users.
- Demonstrate appreciation of the IT career field and the need to be lifelong learners.

MAJOR FIELD

CNET-146	Introduction to UNIX/Linux	3
CNET-155A	Introduction to Networks (CCNA1)	3
CNET-162	Windows Server Installation and Configuration Administration	2
CNET-170	Network Security (Security+)	4
		12

ELECTIVE COURSES

Complete a minimum of six units from the following courses:

CNET-105	IT Essentials (CompTIA A+)	4
CNET-108	IT Project Management	3
CNET-135	Oracle Database Administration	2

CNET-137	Introduction to SQL	4
CNET-142	Introduction to Programming with SQL	4
CNET-173	Ethical Hacking	3
CNET-174	Computer Forensics	3
CNET-175	Cloud Security Fundamentals	<u>4</u>
		6-9

Total Required Units: 18-21