



CURRICULUM GUIDE 2013-2014

UNIX/LINUX SYSTEMS ADMINISTRATOR

Associate in Science in UNIX/Linux Systems Administrator and Certificate of Achievement in UNIX/Linux Systems Administrator

Students who complete this program learn the skills and the general knowledge of UNIX/Linux Systems Administration, including an understanding of theory and the development of a solid foundation of system administration skills. Graduates are qualified for entry-level positions in UNIX/Linux Systems Administration.

Requirements for Associate in Science Degree:

- a) Complete Major Field and Internship 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 and Area Specialization courses as indicated below.
- b) Complete at least six units at Ohlone College.
- c) Maintain a 2.0 grade point average in Major Field and Area Specialization courses.

Student Learning Outcomes

1. Demonstrate confidence to work independently to setup, configure, and maintain a UNIX/Linux computer (client or server); stand-alone or network application; and/or UNIX/Linux system.
2. Demonstrate techniques to troubleshoot situations that impact the operation of a UNIX/Linux computer (client or server); stand-alone or network application; and/or UNIX/Linux system.
3. Demonstrate oral and written communication skills.

MAJOR FIELD

CNET-140A	Linux Installation and Configuration	2
CNET-140B	Linux System Administration	2
CNET-142A	Linux Networking	2
CNET-142B	Linux Security	2
CNET-146	Introduction to UNIX/Linux	3
CNET-147	UNIX/Linux Shell Scripting	4

CNET-149	PERL Programming	4
CNET-150	Network Operating Systems	4
ENGL-156	Introduction to Report and Technical Writing OR	3
SPCH-115	Career Communication	<u>(3)</u>
		26

Complete 2-4 units from the following courses:

CNET-108	IT Project Management	3
CNET-141A	Linux Apache Web Server Administration	2
CNET-155A	Network Fundamentals	4
CS-102	Introduction to Computer Programming Using C++	4
CS-170	Java Programming	<u>4</u>
		2-4

Internship

Complete 1-4 units from the following:

WEX-195A1	Work Experience Education – Vocational	1
WEX-195A2	Work Experience Education – Vocational	2
WEX-195A3	Work Experience Education – Vocational	3
WEX-195A4	Work Experience Education – Vocational	<u>4</u>
		1-4

Total Required Units: 29-34