



## CURRICULUM GUIDE 2006-2007

# UNIX/LINUX SYSTEMS ADMINISTRATOR COMPUTERS, NETWORKS, AND EMERGING TECHNOLOGY

### AS Degree and Certificate of Achievement Program

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 AS Degree:

- Complete Major Field and Area Specialization courses with a 2.0 grade point average.
- Complete Plan A, B, or C General Education requirements. These are specified in the Ohlone College catalog.
- Complete at least 60 degree-applicable units with a 2.0 grade point average.
- Complete at least 12 units at Ohlone College.

#### Requirements for Certificate of Achievement:

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

#### 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	Shell Programming	4
CNET-149	PERL Programming	4
CNET-150	Network Operating Systems	4
SPCH-115	Career Communication	<u>3</u>
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## AREA SPECIALIZATIONS

Complete one course from each of the following Area Specializations.

### **Advanced Administration Elective** 1-4

CNET-135	Database Fundamentals I: Database Architecture and Administration	(4)
CNET-170	Network Security	(4)
CNET-195A1-A4	Internship	(1-4)

### **AND**

### **Programming Elective** 4

CNET-137	Introduction to SQL and PL/SQL Programming	(4)
CS-102	Introduction to Computer Programming Using C++	(4)
CS-124	Advanced Programming with Data Structures	(4)
CS-170	Java Programming	<u>(4)</u>

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