



CURRICULUM GUIDE 2008-2009

UNIX/LINUX SYSTEMS ADMINISTRATOR

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:

- a) Complete Major Field and Area Specialization courses with a 2.0 grade point average.
- b) Complete Plan A, B, or C General Education 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.

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 |
| 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 | (2) |
| CNET-170 | Network Security | (4) |
| CNET-195A1-A4 | Internship | (1-4) |

AND

Programming Elective 4

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

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