

**Educational Objectives and Program Outcomes  
for the Fire Protection and Administration Program in the Technology Department,  
College of Engineering, Computer Science and Technology  
California State University, Los Angeles**

The following describes the characteristics the Cal State L.A. fire protection and administration program is seeking to produce in its graduates in three areas:

- the *knowledge* they will have
- the *skills* they will possess
- the *attitudes* they will hold

**Knowledge**

Educational objective: Fire Protection and Administration graduates will demonstrate a balance of technical and managerial knowledge.

In demonstrating this educational objective, graduates will exhibit the following outcomes:

1. They will have knowledge of science, math and technical management.
2. They will understand the role of technical management in the private and public sector.
3. They will have knowledge of fire systems and the integration of technologies.
4. They will have knowledge of information technology.
5. They will have knowledge of contemporary issues.
6. They will have knowledge of the major areas of the fire protection industry.
7. They will have broad knowledge of available resources for problem solving.

**Skills**

Educational objective: Fire Protection and Administration graduates will demonstrate the skills needed to apply business practices, information technology, and other technical skills necessary to collaborate with, organize, and lead inter-disciplinary teams.

In demonstrating this educational objective, graduates will exhibit the following outcomes:

1. They will be able to design a system or process.
2. They will have good written communication skills.
3. They will have good oral communication skills.
4. They will be able to work independently, take direction, collaborate, organize and lead inter-disciplinary teams.
5. They will be able to exhibit good business skills.
6. They will be able to analyze and interpret data.
7. They will be able to use fire emergency services related software.

**Attitudes**

Educational objective: Fire Protection and Administration graduates will demonstrate a cooperative and inquisitive spirit that supports the desire to pursue lifelong learning, enables them to adapt to contemporary issues in the workplace, and helps advance the goals of their organization.

In demonstrating this educational objective, graduates will exhibit the following outcomes:

1. They will have an understanding ethical responsibility.
2. They will exhibit professionalism in their area of expertise.
3. They will have a recognition of the need for, and an ability to engage in life-long learning.
4. They will stay current on issues.
5. They will be willing to make short-term sacrifices to meet long-term goals.
6. They will exhibit the desire to adopt emerging technologies to improve their area of expertise.
7. They will support and promote the goals of their organization.