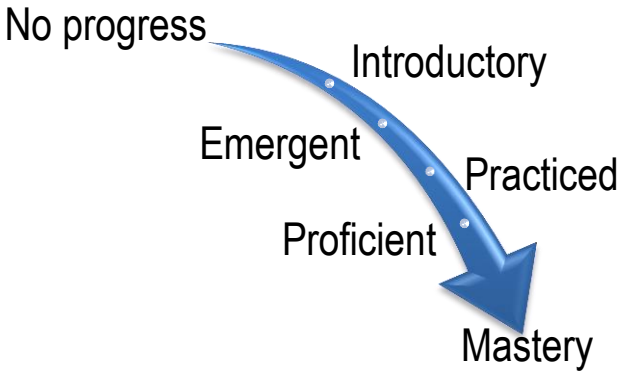
Associate of Applied Science in Fire Science



At Kaplan University, we employ a method called **Course-Level Assessment**, or CLA, to determine student mastery of Course Outcomes. Through CLA, we measure how well students gain the skills, knowledge, abilities, and behaviors that employers expect of program graduates. A series of courses prepares students for employment by providing preparation, practice, and opportunities to show mastery of these program outcomes. Each course is developed around a number of learning goals, known as course outcomes that support a student's growing mastery of program level outcomes. Faculty members assess each student's mastery of each course outcome through Course Level Assessments.

Program Measure for *Standard of Success*:

- 75% or more of students attempting the outcome will perform at the **Emergent** level or greater in **100/200** level courses
- 75% or more of students attempting the outcome will perform at the **Practiced** level or greater in **300/400** level courses.

Program Outcome	Course#	Measurement	Assessment/ Evaluation Results: % at or greater than Standard	Meets Criteria Yes/No
AASFS-1: Fire Foundational Fire Fighter Skills: Discuss the importance of building construction as it relates to fire fighter safety, building codes and fire prevention.	FS102	Apply the standards of building construction, as well as building and fire codes, to firefighter safety.	FS102-1 = 97.82%	Yes
		Define the basic codes and regulations related to building construction projects.	FS102-4 = 100%	Yes
		Examine the various types of construction materials in order to describe the dangers posed to firefighters.	FS102-5 = 97.43%	Yes
	FS103	Illustrate common problems firefighters face in relation to hydraulics & water supply.	FS103-1 = 91.30%	Yes
		Describe the principles of various water systems.	FS103-2 = 88.46%	Yes
		Contrast water system adequacy with reliability.	FS103-3 = 92.30%	Yes
		Identify community fire flow demands and water supplies.	FS103-4 = 76.92%	Yes
		Apply methods of pumping operations given the current incident or situation.	FS103-5 = 95.23%	Yes
		Discuss fire stream tactics and principles.	FS103-6 = 95.65%	Yes
	FS104	Interpret fire suppression and detection systems as presented in building construction plans.	FS104-1 = 100%	Yes
	FS105	Describe development of fire safety codes, inspection procedures, and enforcement.	FS105-3 = 95.23%	Yes
	FS202	Explain how fire protection services are organized.	FS202-2 = 87.80%	Yes

Program Outcome	Course#	Measurement	Assessment/ Evaluation Results: % at or greater than Standard	Meets Criteria Yes/No
	FS204	Identify the components of response safety plans, pre-incident planning procedures, and training safety policies.	FS204-5 = 93.75%	Yes
	FS299	Describe the difference between fire resistance and flame spread, and the testing procedures used to establish ratings for each.	FS299-1 = 75.00%	Yes
AASFS-2: Knowledge Base: Describe the difference between the resistance and flame spread, and the testing procedures used to establish ratings for each.	FS101	Identify the types of fire spread.	FS101-3 = 98.18%	Yes
		Interpret and explain the factors that have an effect on the energy release rate.	FS101-4 = 95.34%	Yes
		Describe the role fire gasses play in the development and spread of fire.	FS101-5 = 98.07%	Yes
	FS104	Interpret fire suppression and detection systems as presented in building construction plans.	FS104-1 = 100%	Yes
		Illustrate various types of fire protection systems.	FS104-2 = 100%	Yes
		Discuss extinguishment methods and effective use of clean agent systems.	FS104-3 = 96.77%	Yes
		Define the functions of a fire alarm system and proper inspection, testing and maintenance requirements.	FS104-4 = 90.32%	Yes
	FS105	Describe how the role of the fire service administration with regard to fire prevention, work municipal government.	FS105-4 = 81.57%	Yes
	FS299	Describe the difference between fire resistance and flame spread, and the testing procedures used to establish ratings for each.	FS299-2 = 75.00%	Yes
AASFS-3: Psychology: Discuss the issues that deal with the psychological effects of fire dynamics.	FS101	Explain heat flux as well as its implications in the danger of fire heat transfer.	FS101-2 = 93.87%	Yes
	FS204	Explain the history of health and safety programs for emergency service agencies.	FS204-1 = 100%	Yes
		Describe occupational health and safety programs utilized in emergency services.	FS204-2 = 91.89%	Yes
	FS299	Describe occupational health and safety programs utilized in emergency services.	FS299-3 = 84.09%	Yes