



MISSION STATEMENT AND STUDENT LEARNING OUTCOMES FOR:

Fire Science

Review Year: 2026

Division:	Discipline/Program/Department:	Contact Person:
Homeland Security	Fire Science	Burrow, Kelsey

Mission Statement

The Fire Science program at Southwestern Illinois College is committed to the health, welfare, and safety of the region through the development of a well-trained and educated fire service. To this purpose the faculty dedicates itself to providing lifelong learning opportunities that meet or exceed the professional qualifications established by the National Fire Protection Association and the National Fire Academy.

Program/Discipline Curriculum Map

I = Introduce: Student is first exposed to the concept/idea and is requested to apply the concept in a limited scope.

E = Emphasize: Student applies concept(s) in varying/multiple situations of greater complexity than when initially introduced.

R = Reinforce: Student may be expected to understand the concept upon taking the course and utilizes the concept in conjunction with other concepts/ideas to solve problems.

PROGRAM/DISCIPLINE OUTCOMES	COURSE PREFIX AND NUMBER																									
Graduates of this program or discipline shall be able to:	FS 100	FS 101	FS 102	FS 110	FS 115	FS 116	FS 120	FS 130	FS 131	FS 159	FS 160	FS 170	FS 181	FS 200	FS 201	FS 205	FS 210	FS 211	FS 260	FS 262	FS 264	FS 268	FS 280			
Demonstrate a working knowledge of fire behavior, building construction and other sciences that affect the provision of fire protection.	I	I	I	I	E	I	I,E	I,E,R	E	I,E	I	E,R	I,E,R	I,E,R	I,E,R	I,R	I,E,R	I,E,R	I,E,R	I,E,R	I,E,R	I,E,R	I			
Explain the philosophy and organization of the fire services.	I	I		I		R		R		R	E	R	R	R	R	E	R	R	E	E	E	E	I			
Differentiate the various services provided by the modern fire service and how the services are needed.	I	I	E	E	E	E	E	R	E	R	I	R	R	R	R	R	R	R	E	R	R	R	I			
Assess the safe and effective use and management of the facilities, vehicles and equipment that are used in the provision of fire protection.	I	I	I	I	I	I	I,E	R	I	R	I	R	I	R	R	R	R	R	E,R	E,R	E,R	E,R	I			

