

FIRE SCIENCE

Associate in Applied Science and Certificates

Not accepting new students into program for current academic year.

The Fire Science program provides instruction in general and specific areas of fire prevention, investigation, technology, and fire fighting tactics, as well as administration and management. Classes are taught by professionals from local fire departments. General education requirements enhance the specialized Fire Science courses, giving students the background to function as professionals.

These certificate programs are designed to prepare students for work as a fire fighter in each specialized area and to provide continuing education opportunities for professional fire fighters.

Certificate in Arson Investigation

		<u>Credits</u>
Required Courses		
ENGL	111G	Rhetoric and Composition 4
ENGL	218G	Technical and Scientific Communication 3
COLL	101	College Success 1
COMM	265G	Principles of Human Communication
	OR	COMM 253G Public Speaking 3
C S	110	Computer Literacy 3
CHEM	110G	Principles and Applications of Chemistry 4
PSY	201G	Introduction to Psychology 3
MATH	120	Intermediate Algebra 3
	OR	MATH 210G Math Appreciation
OEEM	115	First Responder-Prehospital Professional 3
OEFS	112	Fundamentals of Fire Protection 3
OEFS	114	Fire Behavior and Combustion 3
OEFS	115	Hazardous Materials Responder 4
OEFS	126	Fire Prevention 3
OEFS	128	Apparatus and Equipment 3
OEFS	130	Firefighter Safety 3
OEFS	203	Fire Administration 3
OEFS	210	Building Construction for Fire Protection 3
OEFS	223	Fire Investigations 3
OEFS	224	Fire Fighter Tactics and Strategy 3
OEFS	225	Fire Protection Systems 3
*		ELECTIVE (Choose from list below.) 3
**		FIRE SCIENCE ELECTIVE (See below.) 3
Total Credits Required		67

* APPROVED ELECTIVES: Anthropology, Economics, Sociology, Geography-social, Government, History, or Criminal Justice.

** FIRE SCIENCE ELECTIVES: OEFS 200, OEFS 201, OEFS 202, OEFS 222 or other approved Fire Science electives.

A grade of C or better is required in all courses for the degree and each certificate.

The Associate of Applied Science Degree in Fire Science may require more than 2 years to complete due to the rotation of the OEFS courses. NMSU has signed an articulation agreement with Firefighters Training Academy. Contact the Pro Tech Division regarding this agreement.

NOTE: The Fire Science Program is designed for full-time and part-time students. Two options are offered for the Associate Degree in Fire Science: 1) Emphasis on Structural Fire Fighting and 2) Wildland Fire Applications.

		<u>Credits</u>
Semester I		
CHEM	110G	Principles and Applications of Chemistry 4
COLL	101	College Success 1
ENGL	111G	Rhetoric and Composition 4
MATH	120	Intermediate Algebra 3
	OR	MATH 210G Math Appreciation
OEFS	114	Fire Behavior and Combustion 3
OEFS	223	Fire Investigations 3
Semester II		
C J	205	Criminal Law I 3
C J	221	Fundamentals of Criminal Investigation 3
OEFS	126	Fire Prevention 3
OEFS	203	Fire Management 3
OEFS	205	Fire Chemistry 3
OEFS	226	Fire Investigations II 3
Total Credits Required		36

Certificate in Fire Prevention Specialist

		<u>Credits</u>
COLL	101	College Success 1
C J	205	Criminal Law I 3
OEFS	140	Wildland Fire Prevention 3
OEFS	200	Special Topics: Wildland Prevention Planning – P-301 3
OEFS	202	Wildland Fire Control 3
OEFS	290	Intermediate Wildland Fire Behavior – S-290 3
Total Required Credits		16

Certificate in Wildland Engine Operator

		<u>Credits</u>
COLL	101	College Success 1
OEFS	128	Apparatus and Equipment 3
OEFS	142	Fire Fighter Training S-130 3
OEFS	200	Special Topics: Hydraulics for Firefighting 3
OEFS	203	Fire Administration 3
OEFS	227	Fire Operations in the Urban Interface 3
OEFS	290	Intermediate Wildland Fire Behavior S-290 3
Total Required Credits		19