

FIRE SCIENCE

Associate in Applied Science and Certificates

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.

Required Courses		<u>Credits</u>
ENGL 111G	Rhetoric and Composition	4
ENGL 218G	Technical and Scientific Communication	3
COMM 265G	Principles of Human Communication	3
	OR COMM 253G Public Speaking	3
C S 110G	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	3
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 **66**

*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.

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>
Semester I		
CHEM 110G	Principles and Applications of Chemistry	4
ENGL 111G	Rhetoric and Composition	4
MATH 120	Intermediate Algebra	3
	OR MATH 210G Math Appreciation	3
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 200	Special Topics: Fire Chemistry	3
OEFS 203	Fire Management	3
OEFS 226	Fire Investigations II	3
Total Credits Required		35

Certificate in Fire Prevention Specialist

		<u>Credits</u>
C J 205	Criminal Law I	3
OEFS 140	Wildland Fire Prevention	3
OEFS 202	Wildland Fire Control	3
OEFS 200	Special Topics: Wildland Prevention Planning – P-301	3
OEFS 290	Intermediate Wildland Fire Behavior – S-290	3
Total Required Credits		15

Certificate in Wildland Engine Operator

		<u>Credits</u>
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		18