

Semester	Course Title	Credits	Category	Hours
Freshman 1st Sem.	Professional English for Fire Protection I	2	University Required	2
	Introduction to Artificial Intelligence and Informa	2	University Required	2
	Chinese I	2	University Required	2
	Constitution and Human Rights (including Taiw	2	University Required	2
	Physical Education	2	University Required	2
	Emergency Medical Services Techniques	4	Department Required	4
Freshman 2nd Sem.	Professional English for Fire Protection II	2	University Required	2
	Introduction to Law	2	University Required	2
	Chinese II	2	University Required	2
	Calculus I	2	Department Required	2
	General Physics	3	Department Required	3
	General Chemistry	3	Department Required	3
	Fire Science I	2	Department Required	2
	Introduction to Fire Protection	2	Department Required	2
	Seismology	2	Elective	2
	Applied Building Physics	2	Elective	2
	Automotive Engineering	2	Elective	2
Sophomore 1st Sem.	Gender Equality and Police Practice	2	University Required	2
	Administrative Law	2	University Required	2
	Criminal Law	2	University Required	2
	Calculus II	2	Department Required	2
	Engineering Mathematics I	2	Department Required	2

	Fire Cause Investigation	2	Department Required	2
	Fire Science II	2	Department Required	2
	Fire Protection Hydraulics	2	Department Required	2
	Chemical Disaster Prevention and Response	2	Department Required	2
	Disaster Prevention and Reduction	2	Department Required	2
	Piping Engineering	2	Elective	2
	Introduction to AI and Practical Application	2	Elective	2
	Fire Insurance	2	Elective	2
	Fire Safety Management	2	Elective	2
	Search and Rescue at Disaster Scenes	2	Elective	2
	Urban Disaster Prevention and Public Safety	2	Elective	2
Sophomore 2nd Sem.	Criminal Procedure Law	2	University Required	2
	Engineering Mathematics II	2	Department Required	2
	Fire Dynamics	2	Department Required	2
	Handling of Evidence in Fire Investigation	2	Department Required	2
	Building and Fire Safety Codes	3	Department Required	3
	Legal System for Disaster Prevention and Relief	2	Department Required	2
	Engineering Statistics	3	Department Required	3
	Programming	2	Elective	2
	Architectural Graphics	3	Elective	3
	Photography	2	Elective	2
	Fire Protection Machinery	2	Elective	2
	Principles and Regulations of Urban Planning	2	Elective	2

Junior 1st Sem.	Police Practical Writing and Practice I	1	University Required	2
	Fire Chemistry and Laboratory I	3	Department Required	3
	Dangerous Goods Management	2	Department Required	2
	Fire Protection Equipment I	2	Department Required	2
	Building Equipment and Services	2	Elective	2
	Comparative Fire Protection Systems	2	Elective	2
	Ethics in Fire Protection	2	Elective	2
	Introduction to Explosion Protection	2	Elective	2
	Introduction to Disaster Prevention Engineering	2	Elective	2
	ICT in Disaster Management	2	Elective	2
	Hazard Potential Analysis	2	Elective	2
	Disaster Evacuation and Shelter	2	Elective	2
	Numerical Analysis	2	Elective	2
	Thanatology and Life-Death Education in Disas	2	Elective	2
Junior 2nd Sem.	Police Practical Writing and Practice II	1	University Required	2
	Professional English for Fire Protection III	2	Department Required	2
	Fire Protection Equipment II	2	Department Required	2
	Fire Tactics and Combat Techniques	2	Department Required	2
	Fire Scene Simulation	2	Department Required	2
	Fire Management Practice	2	Department Required	2
	Fire Chemistry and Laboratory II	3	Elective	3
	Fire Cause Determination Laboratory	4	Elective	4
	Mechanics of Engineering and Materials	2	Elective	2

	Fire Safety Inspection and System Design	3	Elective	3
	Building Fire Safety	2	Elective	2
	Community Disaster Prevention	2	Elective	2
	Disaster Crisis Management	2	Elective	2
	Incident Command System (ICS)	2	Elective	2
	Geographic Information Systems (GIS)	2	Elective	2
	Crisis Management	2	Elective	2
Senior 1st Sem.	Fire Scenario Practice	2	University Required	2
	Fire Administration and Management	2	Department Required	2
	Operations Research	2	Elective	2
	Professional English for Fire Protection IV	2	Elective	2
	Fire Safety Engineering Design I	2	Elective	2
	Fire Incident Risk Assessment	2	Elective	2
	Fire Insurance Analysis and Loss Control	2	Elective	2
	Fire Scene Command and Operational Management	2	Elective	2
	Special Topics in Fire Protection Equipment	2	Elective	2
	Safety Management in Firefighting and Rescue	2	Elective	2
	Management Information Systems for Fire Service	2	Elective	2
	Japanese for Fire Protection I	2	Elective	2
Senior 2nd Sem.	Industrial Safety	2	Department Required	2
	Fire Inspection	2	Department Required	2
	Fire Safety Engineering Design II	2	Elective	2
	Building and Urban Disaster Prevention	2	Elective	2

	Special Topics in Fire Legislation	2	Elective	2
	Advanced Research on Fire and Disaster Prev	2	Elective	2
	Advanced Research on Fire Tactics	2	Elective	2
	Japanese for Fire Protection II	2	Elective	2
	Fire Information Project Management	2	Elective	2
	Fire Protection Practice and Hands-on Training	1	Elective	1
	(1)minimum credits upon graduation: 134			
	(2)compulsory credits as required university-wide:28			
	(3)compulsory credits as required by this department: 67			
	(4)elective credits: 108			