

Schemes and Syllabus

(For academic session 2023-24 & onwards)

B. Voc. in Fire and Safety



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SECTION 1

Program Outcomes and Program Specific Outcomes

Program Outcomes

PO1: Demonstrate fire prevention practices, per NFPA 1021 guidelines.

PO2: Demonstrate knowledge of the financial processes associated with the fire service.

PO3: Demonstrate and apply fire-ground operations management, to include applicable NFPA standards and guidelines.

PO4: Demonstrate knowledge of fire service organization and management.

PO5: Demonstrate knowledge of an effective emergency management program to include applicable NFPA standards and guidelines.

PO6: Demonstrate knowledge of basic fire protection engineering concepts, fire protection systems evaluation and design, as it relates to risk reduction.

PO7: Demonstrate fundamental knowledge of the functions of planning, organizing, directing and controlling as applicable to leadership in fire and industrial safety.

PO7: Demonstrate fundamental knowledge of the local, state and national standards appropriate to fire safety.

PO8: Demonstrate fundamental knowledge of human resources and safety management as it relates to the work place.

PO9: Demonstrate written and oral communication skills, applicable to fire and industrial safety.

SECTION 2

Semester wise Scheme

First Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. Fire and Safety - 101	Basics of Computer	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety - 102	Physical training and Drill	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety - 103	Fundamental of Fire and Safety	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety 104	OJT-I (On Job Training NSQF Level-4)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Second Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. Fire and Safety - 201	Professional Communication	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety - 202	Fire Protection System	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety - 203	Manual & Portable Firefighting Equipment	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety 204	OJT-II (On Job Training NSQF Level-5)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Third Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. Fire and Safety- 301	Environmental Studies	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety - 302	Physical training and Drill	4	-	-	4	4	40	60	100

B. Voc. Fire and Safety - 303	Rescue Techniques & First Aid	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety 304	OJT-III (On Job Training)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Fourth Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. Fire and Safety- 401	Human Values & Ethics	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety - 402	Manual and Portable Fire fighting Equipments	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety - 403	Fire Fighting Operations	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety 404	OJT-IV (On Job Training NSQF Level-6)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Fifth Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. Fire and Safety- 501	Disaster Management	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety - 502	Enterpranuship Development	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety - 503	Safety and Oil gas Industries	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety 504	OJT-V (On Job Training)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Sixth Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. Fire and Safety-601	Current Affairs	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety-602	Fire Protection Systems	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety-603	Fire Fighting Operations	4	-	-	4	4	40	60	100
B. Voc. Fire and Safety 604	OJT-VI (On Job Training NSQF Level-7)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800