

## Bachelor of Science In Fire Protection and Safety Engineering

## The Program Structure:

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Course Code	BS: First Semester Courses	Credit
FSE 101	Fire Prevention	2
FSE 102	Fire Behavior and Combustion	3
FSE 103	Applied Fire/Safe Analysis	3
FSE 104	Fire Protection Systems	2
FSE 105	Human Behavior in Fire	5
FSE 106	Fire Service Emergency Aids	5
	TOTAL CREDITS	20
Course Code	BS: Second Semester Courses	Credit
FSE 111	Hazardous Materials	2
FSE 112	Fire Protection Structures and System Design	3
FSE 113	Fire Arson and Explosion Investigation	3
FSE 114	Fire Dynamics	2
FSE 115	Fire Protection Hydraulics and Water Supply	5
FSE 116	Principles of Occupational Safety and Health	5
	TOTAL CREDITS	20
Course Code	BS: Third Semester Courses	Credit
FSE 201	System Safety Analysis	2
FSE 202	Advanced Structural Fire Protection	3
FSE 203	Industrial Fire Safety	3
FSE 204	Fire Protection Design	2
FSE 205	General Chemistry	5
FSE 206	Statistics and Strength of Materials	5
	TOTAL CREDITS	20
Course Code	BS: Fourth Semester Courses	Credit
FSE 211	Construction Structural Design	2
FSE 212	Calculus	3
FSE 213	Physics	3
FSE 214	Thermodynamics	2
FSE 215	Technical Graphics	
FSE 216		5
L2E 510	Rescue and First Aids	5 5
F3E 210	Rescue and First Aids  TOTAL CREDITS	
Course Code		5
	TOTAL CREDITS  BS: Fifth Semester Courses	5 20 Credit
Course Code FSE 301	BS: Fifth Semester Courses Fire Service Management and Acts	5 20 <b>Credit</b> 2
Course Code FSE 301 FSE 302	BS: Fifth Semester Courses Fire Service Management and Acts Fire Drills and Equipment Handling	5 20 Credit 2 3
Course Code FSE 301 FSE 302 FSE 303	BS: Fifth Semester Courses Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations	5 20 Credit 2 3 3
Course Code FSE 301 FSE 302 FSE 303 FSE 304	BS: Fifth Semester Courses Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations Fire Service Communication and Mobilizing	5 20 Credit 2 3 3 2
Course Code FSE 301 FSE 302 FSE 303	BS: Fifth Semester Courses Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations Fire Service Communication and Mobilizing Fire Ground Operational Techniques	5 20 Credit 2 3 3
Course Code FSE 301 FSE 302 FSE 303 FSE 304 FSE 305	BS: Fifth Semester Courses Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations Fire Service Communication and Mobilizing	5 20 Credit 2 3 3 2 5
Course Code FSE 301 FSE 302 FSE 303 FSE 304 FSE 305	BS: Fifth Semester Courses Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations Fire Service Communication and Mobilizing Fire Ground Operational Techniques Environment and Sustainable Development	5 20 Credit 2 3 3 2 5 5
Course Code FSE 301 FSE 302 FSE 303 FSE 304 FSE 305 FSE 306  Course Code	BS: Fifth Semester Courses Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations Fire Service Communication and Mobilizing Fire Ground Operational Techniques Environment and Sustainable Development TOTAL CREDITS  BS: Sixth Semester Courses	5 20 Credit 2 3 3 2 5 5 Credit
Course Code FSE 301 FSE 302 FSE 303 FSE 304 FSE 305 FSE 306  Course Code FSE 311	BS: Fifth Semester Courses Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations Fire Service Communication and Mobilizing Fire Ground Operational Techniques Environment and Sustainable Development  TOTAL CREDITS  BS: Sixth Semester Courses  Fire Service Organization	5 20 Credit 2 3 3 2 5 5 Credit 20 Credit 2
Course Code FSE 301 FSE 302 FSE 303 FSE 304 FSE 305 FSE 306  Course Code FSE 311 FSE 312	BS: Fifth Semester Courses  Fire Service Management and Acts  Fire Drills and Equipment Handling  Fire Service Operations  Fire Service Communication and Mobilizing  Fire Ground Operational Techniques  Environment and Sustainable Development  TOTAL CREDITS  BS: Sixth Semester Courses  Fire Service Organization  Fire Service Technology and Media	5 20 Credit 2 3 3 2 5 5 Credit 2 2 3 3 3 3 2 5 3 3 3 3 2 5 3 3 3 3 3 3
Course Code FSE 301 FSE 302 FSE 303 FSE 304 FSE 305 FSE 306  Course Code FSE 311 FSE 312 FSE 313	BS: Fifth Semester Courses  Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations Fire Service Communication and Mobilizing Fire Ground Operational Techniques Environment and Sustainable Development  TOTAL CREDITS  BS: Sixth Semester Courses  Fire Service Organization Fire Service Technology and Media Fire Service Equipment	5 20 Credit 2 3 3 2 5 5  20 Credit 2 3 3 3
Course Code  FSE 301  FSE 302  FSE 303  FSE 304  FSE 305  FSE 306  Course Code  FSE 311  FSE 312  FSE 313  FSE 314	BS: Fifth Semester Courses  Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations Fire Service Communication and Mobilizing Fire Ground Operational Techniques Environment and Sustainable Development  TOTAL CREDITS  BS: Sixth Semester Courses  Fire Service Organization Fire Service Technology and Media Fire Service Equipment Safety Provisions and Precaution in Industry	5 20 Credit 2 3 3 2 5 5 Credit 2 3
Course Code FSE 301 FSE 302 FSE 303 FSE 304 FSE 305 FSE 306  Course Code FSE 311 FSE 312 FSE 313	BS: Fifth Semester Courses  Fire Service Management and Acts Fire Drills and Equipment Handling Fire Service Operations Fire Service Communication and Mobilizing Fire Ground Operational Techniques Environment and Sustainable Development  TOTAL CREDITS  BS: Sixth Semester Courses  Fire Service Organization Fire Service Technology and Media Fire Service Equipment	5 20 Credit 2 3 3 2 5 5 20 Credit 2 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

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