

Bachelor of Science In Fire Protection and Safety Engineering

The Program Structure:

Course Code	BS: First Semester Courses	Credit
FSE 101	Fire Prevention	5
FSE 102	Fire Behavior and Combustion	5
FSE 103	Applied Fire/Safe Analysis	5
FSE 104	Fire Protection Systems	5
FSE 105	Human Behavior in Fire	5
FSE 106	Fire Service Emergency Aids	5
TOTAL CREDITS		30
Course Code	BS: Second Semester Courses	Credit
FSE 111	Hazardous Materials	5
FSE 112	Fire Protection Structures and System Design	5
FSE 113	Fire Arson and Explosion Investigation	5
FSE 114	Fire Dynamics	5
FSE 115	Fire Protection Hydraulics and Water Supply	5
FSE 116	Principles of Occupational Safety and Health	5
TOTAL CREDITS		30
Course Code	BS: Third Semester Courses	Credit
FSE 201	System Safety Analysis	5
FSE 202	Advanced Structural Fire Protection	5
FSE 203	Industrial Fire Safety	5
FSE 204	Fire Protection Design	5
FSE 205	General Chemistry	5
FSE 206	Statistics and Strength of Materials	5
TOTAL CREDITS		30
Course Code	BS: Fourth Semester Courses	Credit
FSE 211	Construction Structural Design	5
FSE 212	Calculus	5
FSE 213	Physics	5
FSE 214	Thermodynamics	5
FSE 215	Technical Graphics	5
FSE 216	Rescue and First Aids	5
TOTAL CREDITS		30
Course Code	BS: Fifth Semester Courses	Credit
FSE 301	Fire Service Management and Acts	5
FSE 302	Fire Drills and Equipment Handling	5
FSE 303	Fire Service Operations	5
FSE 304	Fire Service Communication and Mobilizing	5
FSE 305	Fire Ground Operational Techniques	5
FSE 306	Environment and Sustainable Development	5
TOTAL CREDITS		30
Course Code	BS: Sixth Semester Courses	Credit
FSE 311	Fire Service Organization	5
FSE 312	Fire Service Technology and Media	5
FSE 313	Fire Service Equipment	5
FSE 314	Safety Provisions and Precaution in Industry	5
FSE 315	Bachelor Thesis	10
TOTAL CREDITS		30

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