

## Bachelor of Science In Fire Protection and Safety Engineering

### The Program Structure:

Course Code	BS: <b>First</b> 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: <b>Second</b> 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: <b>Third</b> 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: <b>Fourth</b> 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	5
FSE 216	Rescue and First Aids	5
TOTAL CREDITS		20
Course Code	BS: <b>Fifth</b> Semester Courses	Credit
FSE 301	Fire Service Management and Acts	2
FSE 302	Fire Drills and Equipment Handling	3
FSE 303	Fire Service Operations	3
FSE 304	Fire Service Communication and Mobilizing	2
FSE 305	Fire Ground Operational Techniques	5
FSE 306	Environment and Sustainable Development	5
TOTAL CREDITS		20
Course Code	BS: <b>Sixth</b> Semester Courses	Credit
FSE 311	Fire Service Organization	2
FSE 312	Fire Service Technology and Media	3
FSE 313	Fire Service Equipment	3
FSE 314	Safety Provisions and Precaution in Industry	2
FSE 315	Bachelor Thesis	10
TOTAL CREDITS		20