

Bachelor of Vocation (B.Voc.) – Fire & Safety Management

Model Syllabus & Scheme of Examination

This is a model university-style syllabus structure for a 3-year (6 Semester) Bachelor of Vocation (Fire & Safety Management) programme. Each course carries Continuous Internal Assessment (CIA) and End Semester Examination (ESE).

Semester I

Subject Code	Subject Title	Credits	CIA	ESE	Total
FSM101	Fundamentals of Fire Science	4	30	70	100
FSM102	Occupational Health & Safety	4	30	70	100
FSM103	Fire Prevention & Protection Systems	4	30	70	100
FSM104	Communication Skills	3	30	70	100
FSM105P	Fire Drill & Practical Training	5	50	50	100

Semester II

Subject Code	Subject Title	Credits	CIA	ESE	Total
FSM201	Industrial Safety Management	4	30	70	100
FSM202	Fire Detection & Alarm Systems	4	30	70	100
FSM203	Disaster Management	4	30	70	100
FSM204	Environmental Safety	3	30	70	100
FSM205P	Fire Equipment Maintenance Lab	5	50	50	100

Semester III

Subject Code	Subject Title	Credits	CIA	ESE	Total
FSM301	Construction Safety	4	30	70	100
FSM302	Electrical & Mechanical Safety	4	30	70	100
FSM303	Emergency Response Planning	4	30	70	100
FSM304	Safety Legislation & Standards	3	30	70	100
FSM305P	Industrial Safety Practical	5	50	50	100

Semester IV

Subject Code	Subject Title	Credits	CIA	ESE	Total
FSM401	Hazard Identification & Risk Assessment	4	30	70	100

FSM402	Process Safety Management	4	30	70	100
FSM403	Accident Investigation	4	30	70	100
FSM404	Safety Audit & Inspection	3	30	70	100
FSM405P	Risk Assessment Lab	5	50	50	100

Semester V

Subject Code	Subject Title	Credits	CIA	ESE	Total
FSM501	Advanced Fire Engineering	4	30	70	100
FSM502	Oil, Gas & Chemical Safety	4	30	70	100
FSM503	Emergency Medical Response	4	30	70	100
FSM504	Safety Training & Leadership	3	30	70	100
FSM505P	Industrial Internship-I	5	50	50	100

Semester VI

Subject Code	Subject Title	Credits	CIA	ESE	Total
FSM601	Occupational Risk Management	4	30	70	100
FSM602	Advanced Disaster & Crisis Management	4	30	70	100
FSM603	Safety Project Management	4	30	70	100
FSM604	Entrepreneurship & Employability Skills	3	30	70	100
FSM605P	Major Project / Internship-II	5	50	50	100

Programme Credit & Marks Distribution

Component	Value
Total Semesters	6
Approx. Total Credits	120
Theory Assessment Pattern	30 CIA + 70 ESE
Practical/Internship Pattern	50 Internal + 50 External
Degree Awarded	Bachelor of Vocation (Fire & Safety Management)