

EASTERN KENTUCKY UNIVERSITY
COLLEGE OF JUSTICE & SAFETY

DEPARTMENT OF SAFETY, SECURITY & EMERGENCY MANAGEMENT
FIRE AND SAFETY ENGINEERING TECHNOLOGY

BACHELOR OF SCIENCE DEGREE

Fire Protection Engineering Technology Option

MAJOR REQUIREMENTS: CORE (24 Hours)

FSE 101	Fire Prevention
FSE 120	Fire Behavior & Combustion
FSE 200	Applied Fire/Safety Analysis
FSE 221	Fire Protection Systems
FSE 305	Hazardous Materials
FSE 320	Principles of Emergency Services
FSE 361	Principles of Occupational Safety and Health

3 Hours From:

FSE 349	Cooperative Study
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OPTION REQUIREMENTS: (24 Hours)

FSE 201	Building Construction
FSE 225	Legal Aspects of Fire Protection and Safety
FSE 300	Technical Report Writing for Emergency Services
FSE 322	Fire Protection Structures and System Design
FSE 355	Fire Dynamics
FSE 360	Fire Protection Hydraulics and Water Supply
FSE 366	Hazard Identification and Control
FSE 410	System Safety Analysis

SUPPORTING COURSE REQUIREMENTS: (38 Hours)

CHE 101/107Lab	General Chemistry	and
CHE 102	General Chemistry II	
EHS 340	Industrial Hygiene	
MAT 107	College Algebra	
MAT 124	Calculus I (4 hrs)	
MAT 224	Calculus II (4 hrs)	
PHY 201	University Physics I (5 hrs)	
PHY 202	University Physics II (5 hrs)	
PHY 375	Thermodynamics	
TEC 190	Technical Graphics	

GENERAL EDUCATION REQUIREMENTS: (33 Hours)

Standard General Education program excluding Blocks II, IVB,VII (QS) and Block VIII. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

UNIVERSITY REQUIREMENTS: (1Hours)

JSO 100

FREE ELECTIVES: (8 Hours)

TOTAL CURRICULUM REQUIREMENTS: (128 Hours)

**FIRE AND SAFETY ENGINEERING TECHNOLOGY
BACHELOR OF SCIENCE DEGREE**

Fire Protection Engineering Technology Option

GENERAL EDUCATION REQUIREMENTS: (33 Hours)

BLOCK I COMMUNICATION

IA	WRITTEN COMMUNICATION	3 HOURS
IB	WRITTEN COMMUNICATION	3 HOURS
IC	ORAL COMMUNICATIONS	3 HOURS

BLOCK III ARTS AND HUMANITIES

IIIA	ARTS	3 HOURS
IIIB	HUMANITIES	3 HOURS

OR

IIIA/B	INTEGRATED ARTS AND HUMANITIES	6 HOURS
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BLOCK IV NATURAL SCIENCE

IVA	BIOLOGICAL LABORATORY SCIENCE	3 HOURS
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BLOCK V SOCIAL AND BEHAVIORAL SCIENCES

VA	HISTORY	3 HOURS
VB	SOCIAL AND BEHAVIORAL SCIENCE	3 HOURS
VC	HISTORY OR SOCIAL AND BEHAVIORAL SCIENCE	3 HOURS

BLOCK VI WELLNESS 3 HOURS

BLOCK VII BREADTH OF KNOWLEDGE 3 HOURS

SELECT THREE HOURS FROM ONE OF THE FOLLOWING AREAS.

VII (AH)	ARTS AND HUMANITIES
VII (SBS)	SOCIAL AND BEHAVIORAL SCIENCES

New Gen. Ed. Effective Fall 2006