

BSET Fire & Safety Engineering Technology Checksheet
Fire Safety Concentration

Catalog Date: 2023-2024

Last Name: _____
 First Name: _____
 Student ID: _____

SEM & YR	Course #	Course Name	Hr	Grade	Pre/Co-Requisites	Comments
Junior - Fall						
	ETFS 3113	Fire Safety in the Built Environment	3			
	ETFS 3124	Risk Management	3			
	ETGR 3222	Engineering Economics	3			
	STAT 1220	Elements of Statistics I	3		MATH1100	
	Directed Elective	PSYC 2171 or PSYC 3174 or Advisor Approved	3		PSYC 1101 (for 2171) or PSYC 2171 (for 3174)	
		Total	15			
Junior - Spring						
	ETFS 3103	Fire Dynamics	3		ETFS 2264	
	ETFS 3103L	Fire Dynamic Lab	1		<i>ETFS 3103</i>	
	ETFS 4123	Community Threat Assessment & Mitigation	3			
	ETGR 2106	Electronic Circuits & Devices	3		MATH1103	
	ETGR 4303	Applied Ergonomics & Human Factors	3		ETGR 2230, MATH 1100 or higher, PHYS 1101 or higher.	
	CTCM 2530	Critical Thinking and Communication	3			
		Total	16			
Senior - Fall						
	ETFS 3144	Active Fire Protection	3			
	ETFS 3150	Adult Learning Theory in Safety	1			
	ETFS 4323	Advanced Fire Service Administration	3			
	ETGR 3295	Multidisciplinary Professional Development	1		Junior or Senior standing ETGR 2230, CHEM 1200 or higher, MATH 1100 or higher, PHYS 1101 or higher.	
	ETGR 4301	Environmental Pollution Control	3			
	Major Elective		3			
		Total	14			
Senior - Spring						
	ETFS 3123	Industrial Hazards and Electricity	3			
	ETFS 4272	Capstone	3		Senior standing in FSET major ETGR 2230, CHEM 1200 or higher, MATH 1100 or higher, PHYS 1101 or higher.	
	ETGR 4302	Industrial Hygiene	3			
	Major Elective ^(a)		3			
	Major Elective ^(a)		3			
		Total	15			

Course in *italics* can be taken as a pre or co requisite
 Course in **bold** must be taken as a co requisite
 * = grade of C or better required in prerequisite course

Footnotes:

- (a) Major elective courses are chosen jointly by student and advisor from the course list approved by the Department as major electives. Other courses related to the student's professional interests and career goals may be considered but all such requests to take alternative major elective courses must be approved in writing by the ETCM Department.
- (b) These courses must be completed with a grade of C or better.

BSET Fire & Safety Engineering Technology Checksheet
Fire Safety Concentration

Catalog Date: 2023-2024

Last Name: _____
 Student ID: _____ 0

Community College: _____
 Degree Program: _____

Community College Prerequisites

UNC Charlotte General	UNC Charlotte		NCCCS Acceptable Course	Course	Grade	MET
	Hrs	Course				
English Composition and/or Technical Writing	3	WRDS 1103	ENG 111, 113, 114			NO
College Algebra	3	MATH1100	MAT 171			NO
Pre-calculus	3	MATH 1103	MAT 172, 175			NO
Physics with Lab	3	PHYS 1101	PHYS 151, 251			NO
	1	PHYS 1101L				NO
Science without Lab	3	CHEM 12XX	CHM 151			NO
Introduction to Fire Protection & Prevention	3	ETFS 1220	FIP 120 and			NO
			FIP 124			NO
Water Based Fire Suppression	3	ETFS1244	FIP 146 or FIP 232			NO
Fire Protection & Safety Law	3	ETFS 1252	FIP 152			NO
Fire Investigation	3	ETFS 2126	FIP 128			NO
Building Construction	3	ETFS 2132	FIP 132			NO
Introduction to Fire Behavior	3	ETFS 2264	FIP 229 or FIP 264			NO
State & Local Government	3	POLS 3119	FIP 228			NO
Introduction to Public Administration	3	POLS 3126	FIP 248			NO
Occupational Safety	3	ETGR2230	FIP 164 or ISC 121			NO
Computer Literacy	1	ETGR 1100L	CIS 110 or CIS 111			NO
Computer Aided Drafting	3	ETGR 1103	CIV 125, ARC 114, CEG 151, EGR 120, DFT 151			NO
Other FSET-FS Specific / Technical Classes Equivalents						
Electronic Circuits and Devices	3	ETGR 2106	ELC 131			
Organizational Psychology	3	PSYC 2171	PSY 234			