

# BSET Fire & Safety Engineering Technology Checksheet

## Occupational Safety Concentration

Rev: Original  
Catalog Date: 2022-2023

Last Name: \_\_\_\_\_  
First Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_

### SEM &

YR	Course #	Course Name	Hr	Grade	Pre/Co-Requisites	Comments
<b>Junior - Fall</b>						
	LBST 2XXX	LBST 2101, 2102 or 221X	3			
	ETFS 3113	Fire Safety in the Built Environment (W)	3			
	ETGR 4305	System Safety Design & Management <sup>S</sup>	3		ETGR 2230 and STAT 1220	
	ETGR 2106	Electronic Circuits and Devices	3		MATH 1103	
	ETFS 3150	Adult Learning Theory in Safety	1			

	ETGR 3222	Engineering Economics	3			
<b>Total</b>			<b>16</b>			

### Junior - Spring

	ETFS 3103	Fire Dynamics	3		ETFS 2264	
	ETGR 4302	Industrial Hygiene <sup>S</sup>	3		MATH 1100 or higher, PHYS 1101 or	
	ETGR 4303	Applied Ergonomics & Human Factors <sup>S</sup>	3		PHYS 1101 or higher.	
	Social Science:	ANTH 1101; GEOG 1105; POLS 1110; ECON 1101 or 2101; SOCY 1101	3			
	LBST 2301	Critical Thinking and Communication	3			
<b>Total</b>			<b>15</b>			

### Senior - Fall

	ETFS 3144	Active Fire Protection	3			
	ETFS 3124	Risk Management	3			
	ETGR 4301	Environmental Pollution Control <sup>S</sup>	3		ETGR 2230, CHEM 1200 or higher, MATH 1100 or higher.	
	LBST 2XXX	LBST 2101, 2102 or 221X	3			
	Directed Elective	PSYC 2171 or PSYC 3174 or Advisor Approved	3		PSYC 1101 (for 2171) or PSYC 2171 (for 3174)	
<b>Total</b>			<b>15</b>			

### Senior - Spring

	ETFS 4123	Community Threat Assessment & Mitigation	3			
	ETFS 4272	Fire and Safety Capstone (O,W)	3		Senior standing in FSET major	
	ETGR 3295	Multidisciplinary Professional Development	1		Junior or Senior standing	
	Major Elective <sup>(a)</sup>		3			
	Major Elective <sup>(a)</sup>		3			
<b>Total</b>			<b>13</b>			

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

\$ = May double count for Early Entry (See Program Director)

### 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

(b) These courses must be completed with a grade of C or better.

# BSET Fire & Safety Engineering Technology Checksheet

## Occupational Safety Concentration

Rev: Original

Catalog Date: 22-2023

Last Name: \_\_\_\_\_ 0  
Student ID: \_\_\_\_\_ 0

Community College: \_\_\_\_\_  
Degree Program: \_\_\_\_\_

### Community College Prerequisites

UNC Charlotte General	Hrs	UNC Charlotte Course	Grade	NCCCS Acceptable Course	Course	Grade	MET
English Composition and/or Technical Writing	3	UWRT 1103		ENG 111, 112, 113, 114			NO
Pre-calculus	3	MATH 1103		MAT 172, 175			NO
Differential and Integral Calculus	6	MATH 1121* or ETGR 2171*		MAT 223, 263, 271			NO
		ETGR 2272		MAT 272			NO
Statistics	3	STAT 1220		MAT 151, 152, 155			NO
Physics	3	PHYS 1101		PHY 151, 251			NO
	1	PHYS 1101L					
Biology	3	BIOL 1110		BIO 110			NO
Chemistry	3	CHEM 12xx		CHM 131, 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 232 or FIP 146			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
Computer Aided Drafting	3	ETGR 1103		CIV 125, ARC 114, CEG 151, EGR 120, DFT 151			NO
Total Credits	46						
<b>Other FSET-OS Specific / Technical Classes</b>							

Electronic Circuits and Devices	3	ETGR 2106	ELC 131
Construction Safety	1	CMET 1680	ISC 115
Organizational Psychology	3	PSYC 2171	PSY 234
Human Anatomy/Physiology	3	BIOL 2273 or	BIO 168
Occupational Safety	3	ETGR 2230	FIP 164 or ISC 121
Computer Literacy	1	ETGR 1100L	CIS 110 or CIS 111