

BSET Fire & Safety Engineering Technology Checksheet

Occupational Safety Concentration

Rev: Original
Catalog Date: 2023-2024

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

SEM

& YR	Course #	Course Name	Hr	Grade	Pre/Co-Requisites	Comments
Freshman - Fall						
_____	ETFS 1220	Intro to Fire Protection and Prevention ^(b)	3	_____		_____
_____	ETFS 1252	Fire Protection & Safety Law ^(b)	3	_____		_____
_____	BIOL 1110	Principles of Biology ^(b)	3	_____		_____
_____	MATH 1103	Precalculus Algebra & Trigonometry ^(b)	3	_____		_____
_____	WRDS 1103	Writing & Inquiry in Academic Contexts I & II ^(b)	3	_____		_____

Total 15

Freshman - Spring

_____	CMET 1680	Construction Safety ^(b)	1	_____		_____
_____	ETFS 1244	Water Based Fire Suppression ^(b)	3	_____		_____
_____	ETGR 1201	Introduction to Engineering Technology ^(b)	2	_____	MATH 1100	_____
_____	ETGR 1103	Technical Drawing I ^(b)	3	_____		_____
_____	ETGR 2230	Occupational Safety ^(b)	3	_____		_____
_____	CHEM 12XX	Chemistry (CHEM 1251 preferred) ^(b)	3	_____	As noted in catalog	_____

Total 15

Sophomore - Fall

_____	ETFS 2132	Building Construction for Fire Protection	3	_____		_____
_____	XXXX 1512	Local Theme - Arts & Humanities	3	_____	Refer to DegreeWorks	_____
_____	MATH 1121 or ETGR 2171	ET Calculus (or Calculus I)	3	_____	MATH 1103*	_____
_____	BIOL 2273 or KNES 2168	Human Anatomy & Physiology	3	_____	BIOL 1110*or 2120*;CHEM 1203* or CHEM 1251*	_____
_____	PHYS 1101	Introductory Physics I	3	_____	<i>MATH1103</i>	_____
_____	PHYS 1101L	Introductory Physics I Laboratory	1	_____	<i>PHYS 1101</i>	_____

Total 16

Sophomore - Spring

_____	ETGR 2272	Engineering Analysis II	3	_____	MATH 1121* or MATH 1241*	_____
_____	ETFS 2126	Fire Investigation and Forensics	3	_____		_____
_____	ETFS 2264	Intro to Fire Behavior	3	_____		_____
_____	ETFS 3123	Industrial Hazards and Electricity	3	_____		_____
_____	STAT 1220	Elements of Statistics I	3	_____	MATH 1100	_____

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 ET Department.

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

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Junior - Fall						
	XXXX 1502	Global Theme - Arts & Humanities	3		Refer to DegreeWorks	
	ETFS 3113	Fire Safety in the Built Environment (W)	3			
	ETGR 4305	System Safety Design & Management ^S	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			
		Total	16			
Junior - Spring						
	ETFS 3103	Fire Dynamics	3		ETFS 2264 ETGR 2230, CHEM 1200 or higher, MATH 1100 or higher, PHYS 1101 or higher.	
	ETGR 4302	Industrial Hygiene ^S	3		ETGR 2230, MATH 1100 or higher, PHYS 1101 or higher.	
	ETGR 4303	Applied Ergonomics & Human Factors ^S	3		PHYS 1101 or higher.	
	XXXX 1501	Global Theme - Social Science	3		Refer to DegreeWorks	
	CTCM 2530	Critical Thinking and Communication	3			
		Total	15			
Senior - Fall						
	ETFS 3144	Active Fire Protection	3			
	ETFS 3124	Risk Management	3			
	ETGR 4301	Environmental Pollution Control ^S	3		ETGR 2230, CHEM 1200 or higher, MATH 1100 or higher.	
	XXXX 1511	Local Theme - Social Science	3		Refer to DegreeWorks	
	Directed Elective	PSYC 2171 or PSYC 3174 or Advisor Approved	3		PSYC 1101 (for 2171) or PSYC 2171 (for 3174)	
		Total	15			
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 ^(a)	_____	3			
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		Total	13			

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* = grade of C or better required in prerequisite course

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

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