

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
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	_____		_____
_____	UWRT 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 1100L	ET Computer Applications ^(b)	1	_____		_____
_____	ETGR 1101	Introduction to Engineering Technology & CM ^(b)	1	_____	<i>MATH 1100</i>	_____
_____	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	_____		_____
_____	LBST 110X	Arts & Society	3	_____		_____
_____	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						
_____	LBST 2XXX	LBST 2101, 2102 or 221X	3	_____		_____
_____	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 4302	Industrial Hygiene ^S	3	_____	ETGR 2230, CHEM 1200 or higher, MATH 1100 or higher, PHYS 1101 or higher.	_____
_____	ETGR 4303	Applied Ergonomics & Human Factors ^S	3	_____	ETGR 2230, MATH 1100 or higher, 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	_____		_____
			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.	_____
_____	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)	_____
			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	_____		_____
_____	Major Elective ^(a)	_____	3	_____		_____
			Total	13		

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:

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

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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						
Other FSET-OS Specific / Technical Classes							

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