

BSET Occupational Safety Engineering Technology Checksheet

Name: _____
 Student ID: _____

A.S. A.A.S.

Revised: 02/10/23
 Catalog Date: 2024-2025

Lower-Level Courses								
Freshman Fall	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments	
			MATH 1103	Precalculus Mathematics for Science and Engineering*	3			
			BIOL 1110	Principles of Biology	3			
			ETFS 1220	Intro to Fire Protection and Prevention	3			
			WRDS 1103	Writing and Inquiry in Academic Contexts I and II*	3			
			ETGR 2230	Occupational Safety	3			
Total:				15				

Freshman Spring	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments	
			ETGR 1201	Introduction to ET and CM*	2		MATH 1100	
			STAT 1220	Elements of Statistics I (BUSN)*	3		MATH 1100	
			CHEM 1251	General Chemistry I*	3		MATH 1100 or MATH1103	
			CHEM 1251L	General Chemistry I Lab*	1		CHEM 1251	
			PSYC 1101	General Psychology	3			
			CMET 1680	Construction Safety	1			
			XXXX 1501	Global Theme (Social Science)	3			
Total:				16				

Sophomore Fall	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments	
			ETFS 2230	Hazardous Materials	3			
			ETEL 2101	Circuit Fundamentals*	3		MATH 1103	
			BIOL 2273	Human Anatomy & Physiology	3		BIOL1110*or2120*;CHEM 1203* or CHEM 1251*	
			PHYS 1101	Introductory Physics I*	3		MATH 1100 or MATH1103	
			PHYS 1101L	Introductory Physics I Lab*	1		PHYS 1101	
			XXXX 1511	Local Theme (Social Science)	3			
Total:				16				

Sophomore Spring	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments	
			ETGR 1103	Technical Drawing I	3			
			ETFS 3123	Industrial Hazards and Electricity	3			
			ESCI 1101	Earth Sciences-Geography	3			
			ESCI 1101L	Earth Sciences-Geography Lab	1			
			PSYC 2171	Intro to Ind/Org Psychology	3		PSYC 1101	
			XXXX 1502	Global Theme (Arts / Humanities)	3			
Total:				16				

Upper-Level Courses								
Junior Fall	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments	
			ETFS 3150	Adult Learning Theory in Safety	1			
			FINN 3271	Principles of Risk Management and Insurance	3			
			ETFS 3113	Fire Safety in the Built Environment (W)	3			
			ESCI 2222	Environmental Science	3		ESCI 1101	
			ETFS 3114/3113	Active Fire Protection/Fire Safety in Built Environment	3			
			XXXX 1512	Local Theme (Arts / Humanities)	3			
Total:				16				

Junior Spring	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments	
			ETGR 3222	Engineering Economics	3			
			ETGR 4302	Industrial Hygiene	3		ETGR 2230, CHEM 1200 or higher, MATH 1100 or higher, PHYS 1101 or higher.	Early Entry MS Students take ETGR 5302
			ETGR 4303	Applied Ergonomics & Human Factors	3		ETGR 2230, MATH 1100 or higher, PHYS 1101 or higher.	Early Entry MS Students take ETGR 5303
			Major Elective	Directed Elective- Psychosocial/Health	3			Choices: EXER 2290, HLTH 2102, PSYC 2160, PSYC 3001, PSYC 3125, SOCY 4112, SOCY 4168, SPAN 1101
			CTCM 2530	Critical Thinking and Communication	3		WRDS 1103/1104	
Total:				15				

Senior Fall	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments	
			ETFS 3103	Fire Behavior	3			
			ETFS 3103L	Fire Behavior Lab	1			
			ETGR 4301	Environmental Pollution Control	3		ETGR 2230, CHEM 1200 or higher, MATH 1103	Early Entry MS Students take ETGR 5301
			ETGR 4305	System Safety Design & Mgmt	3			Early Entry MS Students take ETGR 5305
			Major Elective	Directed Elective- Environmental	3			Choices: CEGR 3141, CEGR 3155, ETCE 2410, ESCI 3170, ESCI 3205, ESCI 3220, ESCI 3180, ESCI 3215, ESCI 4110
			ETGR 3295	Multidisciplinary Professional Development	1		Junior or Senior standing	
Total:				14				

Senior Spring	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments	
			ETFS 4272	Fire & Safety Capstone	3		Senior standing & completion of all lower-level courses	
			ETFS 4123	Community Threat Assessment & Mitigation	3			
			Major Elective	Elective	3			
			Major Elective	Elective	3			
Total:				12				

* = grade of C or better is required for degree progression

Course in *italics* can be taken as a pre or co-requisite