

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							
	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments
Freshman Fall		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		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		ETFS 2230	Hazardous Materials	3			
		EDEL 2101	Circuit Fundamentals*	3		MATH 1103	
		BIOL 2273	Human Anatomy & Physiology	3		BIOL1110*or 2120*,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		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							
	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites	Comments
Junior Fall		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		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		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		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