

# Occupational Safety Engineering Technology Checksheet

Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_

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Revised: \_\_\_\_\_  
 Catalog Date: \_\_\_\_\_

## Lower-Level Courses

	SEM & YR	Course #	Course Title	Hrs				Prerequisites
	<b>Freshman Fall</b>		MATH 1103	Precalculus Mathematics for Science and Engineering*	3			
		BIOL 1110	Principles of Biology	3				
		ETFS 2124	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				
<b>Freshman Spring</b>		ETFS 1201	Introduction to Fire Safety and Occupational Safety	2				<i>MATH 1100</i>
		STAT 1220	Elements of Statistics I (BUSN)*	3				MATH 1100
		CHEM 1251	General Chemistry I*	3				MATH 1100 or <i>MATH1103</i>
		CHEM 1251L	General Chemistry I Lab*	1				<i>CHEM 1251</i>
		PSYC 1101	General Psychology	3				
		CMET 1680	Construction Safety	1				
		XXXX 1501	Global Theme (Social Science)	3				
	Total:				16			

	SEM & YR	Course #	Course Title	Hrs				Prerequisites
	<b>Sophomore Fall</b>		ETFS 2230	Hazardous Materials	3			
		ETEL 2101	Circuit Fundamentals*	3				MATH 1103
		BIOL 2273	Human Anatomy & Physiology (or EXER 2168)	3				BIOL1110*or 2120*,CHEM 1203* or CHEM 1251*
		PHYS 1101	Introductory Physics I*	3				MATH 1100 or <i>MATH1103</i>
		PHYS 1101L	Introductory Physics I Lab*	1				<i>PHYS 1101</i>
		XXXX 1511/1512	Local Theme (Social Science, Arts or Humanities)	3				
Total:				16				
<b>Sophomore Spring</b>		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				

## Inner-Level Courses

	SEM & YR	Course #	Course Title	Hrs				Prerequisites
	<b>Junior Fall</b>		ETFS 3150	Adult Learning Theory in Safety	1			
		FINN 3271	Principles of Risk Management and Insurance	3				
		ETFS 3141	Fire Safety in Constructed Facilities	3				
		ESCI 2222	Environmental Science	3				ESCI 1101
		ETFS 3144	Active Fire Protection	3				
		XXXX 1575	Foundations of American Democracy	3				
Total:				16				
<b>Junior Spring</b>		ETGR 3222	Engineering Economics	3				
		ETFS 3103	Fire Behavior	3				
		ETFS 3103L	Fire Behavior Lab	1				
		ETGR 4303	Applied Ergonomics & Human Factors	3				ETGR 2230, MATH 1100 or higher, PHYS 1101 or higher.
		ETFS 3695	Professional Development	1				
		CTCM 2530	Critical Thinking and Communication	3				WRDS 1103/1104
Total:				14				

	SEM & YR	Course #	Course Title	Hrs				Prerequisites
	<b>Senior Fall</b>		ETGR 4301	Environmental Pollution Control	3			
		ETGR 4305	System Safety Design & Mgmt	3				
		Major Elective	Directed Elective- Psychosocial/Health	3				
		Major Elective	Directed Elective- Environmental	3				
		Major Elective	Elective	3				
Total:				15				
<b>Senior Spring</b>		ETFS 4272	Fire & Safety Capstone	3				Senior standing & completion of all lower-level courses
		ETGR 4302	Industrial Hygiene	3				ETGR 2230, CHEM 1200 or higher, MATH 1100 or higher, PHYS 1101 or higher.
		ETFS 4123	Community Threat Assessment & Mitigation	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

