

Millersville University
Dept. of Applied Engineering, Safety & Technology

120 credits minimum – Effective Fall 2019

Bachelor of Science (B.S.)

Occupational Safety & Environmental Health

DEPARTMENTAL REQUIREMENTS (61 credits)

Technical Option

(45 credits)

Grade	Course No.	Title	Cr
	OSEH 120	Safety, Health & Environmental Issues	3
	OSEH 220	Legal Aspects of Safety & Hygiene	3
	OSEH 221	Fire Prevention, Protection & Control	3
	OSEH 320	Safety Engineering Principles (<i>prereq OSEH 120</i>)	3
	OSEH 321	Industrial Hygiene—Chemical & Biological Hazards (<i>prereqs OSEH 120; and MATH 101 or 151 or 160 or 161; and CHEM 104</i>)	4
	OSEH 323	Human Factors (<i>prereq OSEH 120</i>)	3
	OSEH 333	Intro to System Safety (<i>prereqs OSEH 320 & MATH 130</i>)	3
	OSEH 410	OS&H Management (<i>prereqs OSEH 220 & OSEH 320</i>)	3
	OSEH 422	Industrial Hygiene—Physical Hazards (<i>prereqs PHYS 103 or 104 or 131; and MATH 101 or 151 or 160 or 161</i>)	4
	OSEH 430	Topics in Occupational Safety & Environmental Health	1
	OSEH 435	Environmental Health (<i>prereq OSEH 321 or ENVI 330</i>)	3
	OSEH 440	Internship in Industry (<i>permission of OSEH coordinator required</i>)	12

REQUIRED RELATED COURSES (29-30 credits)

Required Related - Math

(MATH 130 fulfills the Gen Ed Math Requirement)

Grade	Course No.	Title	Cr
		Select <u>ONE</u> of MATH 151, 160, or 161	
		• MATH 151 Calc for Management (<i>prereq C- or higher in MATH 101 or MPT 151</i>)	4
		• MATH 160 Precalculus (<i>prereq C- or higher in MATH 101 or MPT 160</i>)	4
		• MATH 161 Calculus I (<i>prereq C- or higher in MATH 160 or MPT 161</i>)	4
	MATH 130	Elements of Statistics (<i>prereq: See Web Schedule or Undergrad Catalog</i>)	3

Required Related - Biology & Chemistry

(Fulfills the G2 Science Requirements)

Grade	Course No.	Title	Cr
	BIOL 100	General Biology — <i>or a higher-level BIOL</i>	3
	CHEM 103	General, Organic, Biochem I	3
	CHEM 104	General, Organic, Biochem II	3

Required Related - Physics & ITEC

Grade	Course No.	Title	Cr
	ITEC 130	Production Materials & Processes	3
	ITEC 392	Industrial Training (W)	3
		Complete <u>either Option A or Option B:</u>	
		Option A	
		• PHYS 131	4
		and	
		• PHYS 132	4
		— OR —	
		Option B	
		• One PHYS 103 or 104 or 131	4
		and	
		• ITEC 120	3

