

62 credits minimum – Effective Summer 2013
(rev FA21_AENG)

DEPARTMENTAL REQUIREMENTS (60 credits)

ADVISOR NOTES

Required Core Courses

(31-32 credits)

Grade	Course No.	Title	Cr
	AENG 120	Energy & Power Systems	3
	AENG 130	Production Materials & Processes	3
	OSEH 120	Safety, Health & Environmental Issues	3
	OSEH 220	Legal Aspects of Safety	3
	OSEH 221	Fire Prevention, Protection & Control	3
	OSEH 320	Safety Engineering Principles (<i>prereq OSEH 120</i>)	3
	OSEH 321	Environmental & Industrial Hygiene I (<i>prereq OSEH 120; MATH 101 or equivalent; and CHEM 104</i>)	4
	OSEH 323	Human Factors (<i>prereq OSEH 120</i>)	3
	CHEM 104	General, Organic, Biochemistry II (<i>prereq CHEM 103</i>)	3
	1. ____	<p>Select ONE course from the following:</p> <ul style="list-style-type: none"> • OSEH 333 Intro to System Safety (<i>prereq OSEH 320 & MATH 130</i>) • OSEH 410 Safety & Hygiene Management (<i>prereq OSEH 220</i>) • OSEH 422 Environ. & Ind. Hygiene II (<i>prereq PHYS 103 or 104 or 131; and MATH 101 or 151 or 160 or 161</i>) • AENG 300 Co-op • AENG 392 Intro to Industrial Training (<i>prereq ENGL 110</i>) 	<p>3</p> <p>3</p> <p>4</p> <p>3</p> <p>3</p>

Required Related – Science & Math (10-12 credits)

(Fulfills two G2 courses)

Grade	Course No.	Title	Cr
	CHEM ____	<p>Select ONE from CHEM 103 or 111:</p> <ul style="list-style-type: none"> • CHEM 103 General, Organic, Biochemistry I • CHEM 111 Intro. Chemistry 	<p>3</p> <p>4</p>
	PHYS ____	<p>Select ONE from PHYS 103, 104 or 131:</p> <ul style="list-style-type: none"> • PHYS 103 Elements of Physics • PHYS 104 Applied Physics • PHYS 131 Physics I 	<p>4</p> <p>4</p> <p>4</p>
	MATH ____	<p>Select ONE from MATH 130, 151, or 160</p> <ul style="list-style-type: none"> • MATH 130 Elements of Statistics (<i>prereq: See Web Schedule or Undergrad Catalog</i>) • MATH 151 Calc for Mgmt, Life (<i>prereq C- or higher in MATH 101 or MPT 151</i>) • MATH 160 Precalculus (<i>prereq C- or higher in MATH 101 or MPT 160</i>) 	<p>3</p> <p>4</p> <p>4</p>

GENERAL EDUCATION REQUIREMENTS (27 credits min. – Note: 6 credits of Gen Ed are fulfilled by Required Related Courses)

G1 – HUMANITIES & FINE ARTS [*ART, COMM/THEATRE, ENGL, FOREIGN LANG/HUMN, MUSI, PHIL*] (6 credits)

Grade	Course No.	Title	Cr

G2 – SCIENCE & MATH *These credits are fulfilled by Required Related Math & Science* (6 credits)

G3 – SOCIAL SCIENCES [*AFAM, ANTH, BUAD, GEOG, GOVT, HIST, INTL, PSYC, SOCY, SOWK/GERT, WSTU*] (6 credits)

Grade	Course No.	Title	Cr

Additional General Education Requirements

(9 credits)

Grade	Course No.	Title	Cr
	COMM 100	Fundamentals of Speech <i>(minimum of "C-" required)</i>	3
	ENGL 110	English Composition <i>(minimum of "C-" required)</i>	3
	ENGL ____	Select <i>ONE</i> from: • ENGL 312 Technical Writing • ENGL 318 Web Writing • ENGL 316 Business Writing • ENGL 319 Science Writing	3