

DEPARTMENTAL REQUIREMENTS (60 credits)

ADVISOR NOTES

Required Core Courses

(30 credits)

Grade	Course No.	Title	Cr
	AENG 130	Production Materials & Processes	3
	AENG 241	Drafting Communications	3
	AENG 342	Computer-Aided Engineering Drawing (<i>prereq AENG 241</i>)	3
	AENG 344	Product Design (<i>prereq AENG 241</i>)	3
	AENG 346	Architectural Drawing & Design (<i>prereq AENG 241</i>)	3
	OSEH 120	Safety, Health & Environmental Issues	3
___	AENG ____	Select <u>FOUR</u> courses from the following	
___	AENG ____	• AENG 110 Communication & Information Systems	
___	AENG ____	• AENG 120 Energy & Power Systems	
___	AENG ____	• AENG 243 Technical Sketching, Design & Rendering	
___	AENG ____	• AENG 300 Co-op	
___	AENG ____	• AENG 345 Statics & Strength of Matls (<i>prereq AENG 241; and MATH 151, 160 or 161</i>)	
___	AENG ____	• AENG 347 Engineering Visualization (<i>prereq AENG 241</i>)	
___	AENG ____	• AENG 446 Computer-Aided Drafting & Design (<i>prereq AENG 342</i>)	
___	AENG ____	• AENG 448 Machine Tool Design (<i>prereq AENG 342</i>)	

Required Related – Science & Math (7-8 credits)

(Fulfills two G2 courses)

Grade	Course No.	Title	Cr
		Select <u>ONE</u> from PHYS 103, 104 or 131:	
	PHYS ____	• PHYS 103 Elements of Physics	4
	PHYS ____	• PHYS 104 Applied Physics	4
	PHYS ____	• PHYS 131 Physics I	4
		Select <u>ONE</u> from MATH 130, 151, 160 or 161:	
	MATH ____	• MATH 130 Elements of Statistics (<i>prereq: See Web Schedule or Undergrad Catalog</i>)	3
	MATH ____	• MATH 151 Calc for Mgmt, Life (<i>prereq C- or higher in MATH 101 or MPT 151</i>)	4
	MATH ____	• MATH 160 Precalculus (<i>prereq C- or higher in MATH 101 or MPT 160</i>)	4
	MATH ____	• MATH 161 Calculus I (<i>prereq C- or higher in MATH 160 or MPT 161</i>)	4

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, WSTUJ*] (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: <ul style="list-style-type: none"> • ENGL 312 Technical Writing • ENGL 316 Business Writing • ENGL 318 Web Writing • ENGL 319 Science Writing 	3
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FREE ELECTIVE (1-3 credits) – needed to meet 60 credit minimum; depends on credit value of science & math courses selected

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