

Current BS-MENG Required Courses		Gen Ed
credits	FALL #1	
3	ENES 101 - Intro Engineering Science	
4	MATH 151 - Calculus I	MATH
4	CHEM 101 - Chemistry I	SCI w/o Lab
3	ENGL 100 - English Composition	ENG
3	GEP	AH #1
17	Total	
	SPRING #1	
3	ENME 110 - Statics	
4	MATH 152 - Calculus II	
4	PHYS 121 - Physics I	
4	CHEM 102 - Chemistry II	SCI w/o Lab
2	CHEM 102L - Chemistry Lab	SCI Lab
17	Total	
	FALL #2	
3	ENME 220 - Mechanics of Materials	
4	MATH 251 - Multi Variable Calculus	
4	PHYS 122 - Physics II	
4	STAT 355 - Prob and Stat for Engineers	
3	GEP	SS #1
18	Total	
	SPRING #2	
3	ENME 217 - Engr. Thermodynamics	
3	ENME 204 - Intro to Design w/CAD	WI
3	ENME 221 - Dynamics	
3	MATH 225 - Differential Equations	
3	PHIL 251 - Ethical Issues in Sci & Eng	AH #2
15	Total	
	FALL#3	
3	ENME 301 - Engineering Materials	
3	ENME 303 - Engineering Math	
3	ENME 320 - Fluid Mechanics	
4	CMPE 306 - Introductory Circuit Theory	
3	GEP	AH #3
16	Total	
	SPRING #3	
3	ENME 304 - Machine Design	
3	ENME 321 - Transfer Processes	
3	ENME 332L - Solids Materials Lab	
3	ENME 360 - Vibrations	
3	GEP	SS #2
15	Total	
	FALL #4	
3	ENME 403 - Automatic Controls	
2	ENME 432L - Fluid/Energy Lab	
3	ENME 4XX - Tech/Design Elective	
3	S/DE - Science/Design Elective	
6	GEP	SS #3, Culture
17	Total	
	SPRING #4	
3	ENME 444 - Systems Design	
2	ENME 482L - Vibrations/Control Lab	
3	ENME 4XX - Tech/Design Elective	
4	GEP	Language
12	Total	

127 total credits for degree

PROPOSED BS-MENG Required Courses	
credits	FALL #1
3	ENES 101 - Intro Engineering Science
4	MATH 151 - Calculus I
4	CHEM 101 - Chemistry I
3	ENGL 100 - English Composition
3	GEP
17	Total
	SPRING #1
3	ENME 110 - Statics
4	MATH 152 - Calculus II
4	PHYS 121 - Physics I
4	CHEM 102 - Chemistry II
2	CHEM 102L - Chemistry Lab
17	Total
	FALL #2
3	ENME 220 - Mechanics of Materials
4	MATH 251 - Multi Variable Calculus
4	PHYS 122 - Physics II
4	STAT 355 - Prob and Stat for Engineers
3	GEP
18	Total
	SPRING #2
3	ENME 217 - Engr. Thermodynamics
3	ENME 204 - Intro to Design w/CAD
3	ENME 221 - Dynamics
3	MATH 225 - Differential Equations
3	GEP
15	Total
	FALL#3
3	ENME 301 - Engineering Materials
3	ENME 303 - Engineering Math
3	ENME 320 - Fluid Mechanics
4	CMPE 306 - Introductory Circuit Theory
3	GEP
16	Total
	SPRING #3
3	ENME 304 - Machine Design
3	ENME 321 - Transfer Processes
3	ENME 332L - Solids Materials Lab
3	ENME 360 - Vibrations
3	GEP
15	Total
	FALL #4
3	ENME 403 - Automatic Controls
2	ENME 432L - Fluid/Energy Lab
3	ENME 4XX - Tech/Design Elective
3	S/DE - Science/Design Elective
6	GEP
17	Total
	SPRING #4
3	ENME 444 - Systems Design
2	ENME 482L - Vibrations/Control Lab
3	ENME 4XX - Tech/Design Elective
4	GEP
12	Total

127 total credits for degree