

Department of Mechanical Engineering ~ North Dakota State University

Standard Curriculum Guide ~ Required Degree Credits for Graduation:129

Name _____

ID# _____

Advisor _____

NO GRADES LESS THAN A "C" WILL BE ACCEPTED TO FULFILL A COURSE REQUIREMENT

FALL				SPRING				Gen. Ed. Electives [category]			
Course	Course Title	Cr.	Gr.	Course	Course Title	Cr.	Gr.				
MATH 165	Calculus I*	4		MATH 166	Calculus II	4		Humanities/Fine Arts [A]			
ENGL 110 [C]	College Composition I*	4		ENGL 120	College Composition II*	3		*			
CHEM 121	General Chemistry I*	3		CHEM 122	General Chemistry II*	3		Social/Behavioral Sciences [B]			
Hum. Elect. [A]	*	3		ME 212	Fund. Visual Communications	3		*			
Soc. Sci. Elect. [B]	*	3		ME 221	Engineering Mechanics I	3		*			
				Wellness [W]	*	2		*Global Perspective [G]			
		17				18		*Cultural Diversity [D]			
MATH 129	Basic Linear Algebra	3		MATH 266	Intro/Differential Equations	3		Extra Courses		Cr.	Gr.
MATH 259	Multivariate Calculus	3		COMM 110	Fundamentals of Public Speaking*	3					
IME 330	Manufacturing Processes	3		PHYS 252	University Physics II*	4					
ME 222	Engineering Mechanics II	3		PHYS 252L	University Physics Lab II*	1					
ME 223	Mechanics of Materials	3		ME 213	Modeling of Engineering Systems	3					
Hum. Elect. [A]	*	3		ME 351	Thermodynamics I	3					
		18				17					
ECE 301	Electrical Engineering I	3		ECE 303	Electrical Engineering II	3					
ENGL 321	Writing in the Technical Professions*	3		ECE 306	Electrical Engineering Lab I	1					
ME 331	Materials Science and Engineering	4		ENGR 402	Engineering Ethics/Social Respon.	1					
ME 352	Fluid Dynamics	3		ME 361	Intro to Mech. Engr. Profession	1					
Technical Elective	^	3		ME 442	Machine Design I	3					
				ME 454	Heat & Mass Transfer	3					
				Technical Elective	^	3					
		16				15					
ME 421	Theory of Vibrations	3		ME 412	Engineering Measurements	3					
ME 443	Machine Design II	3		ME 462	Design Project II	3					
ME 457	Thermal Systems Laboratory	3		Technical Elective	^	3		Required Credits for Graduation		129	
ME 461	Design Project I	3		Technical Elective	^	3		Total Major Credits Earned**		131	
Technical Elective	^	3		Soc. Sci. Elect. [B]	*	3					
		15				15		GPA			

Key:

"T" indicates requirement satisfied with transfer course.

"IP" indicates a course currently in progress.

* Course fulfills a general education requirement.

^ No more than six credits of approved Technical Electives may be taken outside the ME department.

**A minimum of 2 credits for Math 129 and 3 credits for Engr 110 are acceptable to satisfy degree requirements.

[] General education category - see academic bulletin for details.

[C] Students with an ACT sub-test score of 18+ (or SAT of 430+) are advised to enroll in ENGL 120. A passing grade will be awarded for 110 by completing 120 with a "C" or better.

GPA:

Cumulative GPA for basic program entry: 2.8

Engr GPA for professional program entry: 2.8

Cumulative GPA for graduation: 2.5