



# ADVISING SHEET 2 of 2

## FRESHMAN YEAR

			Cr Hr	C/IP				Cr Hr	C/IP
MATH	165°	Calculus I	4		MATH	166°	Calculus II	4	
CHEM	121°	Gen Chem I & Lab	4		PHYS	251°	Univ Phys I & Lab	4	
ENGL	110°	College Comp I	3		ENGR	200°	Comp App in Eng	2	
ME	101+°	Intro to Mech Eng	3		ENGL	130°	Writing for Public Aud	3	
___	___	Essential Studies#	3		___	___	Essential Studies#	3	
			17					16	

## SOPHOMORE YEAR

			Cr Hr	C/IP				Cr Hr	C/IP
MATH	265°	Calculus III	4		MATH	266	Elem Diff Equations	3	
PHYS	252°	Univ Phys II & Lab	4		ENGR	206	Circuit Analysis	3	
ENGR	201°	Statics	3		ENGR	202°	Dynamics	3	
ME	201+	Student Design%	2		ENGR	203°	Mech of Materials	3	
ME	341°	Thermodynamics	3		___	___!	Lab Science	4	
			16					16	

## JUNIOR YEAR

			Cr Hr	C/IP				Cr Hr	C/IP
ME	301	Material Science	3		ME	323+	Mach Comp Des & Lab	4	
ME	306	Fluid Mechanics	3		ME	418	Manuf Proc & Lab%	4	
ME	322	Design of Mach	3		ME	474	Heat and Mass Transfer	3	
ENGR	460	Engr Economy	3		MATH	321 <sup>s</sup>	Applied Statistical Meth	3	
___	___¥	Technical Elective	3		___	___	Technical Elective	3	
			15					17	

## SENIOR YEAR

			Cr Hr	C/IP				Cr Hr	C/IP
ME	480	Mech Eng Seminar	3		ME	488+	Eng Design	3	
ME	483	Mech Meas Lab%	3		___	___	Prof Eng Ethics*	3	
ME	487+	Eng Design	2		___	___	Essential Studies#	3	
___	___	Essential Studies#	3		___	___	Technical Elective	3	
___	___	Technical Elective	3		___	___	Technical Elective	3	
___	___	Technical Elective	3						
			17					15	

C/IP = Completed or In Progress

+ This course involves the design and fabrication of an engineering prototype

° This course must be completed with a grade of 'C' or better

! PHYS 253/L or CHEM 122/L unless an alternate course is approved by the ME Department

¥ One Technical Elective can be taken from other engineering departments, Math or Physics (300+ level)

\* Can be ME 370 or Engr 340

\$ ChE 315 or an alternative calculus-based (calculus as lowest prerequisite) statistics course can be substituted w/approval of the ME Department

# Essential Studies must meet all UND requirements, "U", "G", and "FA" (see ME Essential Studies Worksheet)

% DEDP summer lab