

Manufacturing Engineering Technology—Program Check-off Sheet

2000/2001 Undergraduate Catalog and Subsequent

Name _____

SID _____

Academic Year _____

WKH Rev.: 9/20/00

Part I - General Education Requirements			Prof.				
			Cr.	Gr.	W	O	T
Writing Area							
ENGL 1110	Crit. Reading & Expos Writing	3					
ENGL 1120	Crit. Thinking & Argumentation	3					
Mathematics Area							
MATH 1080	Probability & Statistics	3					
Information Technology Area							
CSCI 1100	Using Info Tech or UIT Exam	2					
Science Area							
CHEM 1110/11	Gen. Chemistry: Lect (3)/Lab (1)	4					
PHYS 2110/11	General Physics I-Lecture/Lab	4		X			
Heritage Area							
HIST 2010	U.S. History, Before 1877	3					
HIST 2020	U.S. History, 1877-present	3					
E ENGL 22____	Heritage / Literature Elective	3					
Arts and Artistic Vision Area							
E _____		3					
Identity, Ethics, & Social Responsibility Area							
E _____		3					
Institutions and Society Area							
ECON 2210	Principles of Economics, Part I	3					
PSYC 1310	Introduction to Psychology	3					
Humanities Area							
ENTC 3020	Technology & Society	3					
Physical Education, Military Science, or Band ²							
E _____		1					
E _____		1					
General Education Core Total			43	-	45		

Part II - Technology Core Requirements			Prof.				
			Cr.	Gr.	W	O	T
ENTC 1110	Engineering Drawing	4					
ENTC 1510	Student in Univ (Opt.Xfers>15 hr)	3			X		
ENTC 2170	CADD	3					X
ENTC 3030	Technical Communication	3			X	X	
ENTC 4017	Industrial Supervision	3			X		
ENTC 4060	Project Scheduling	3					
ENTC 4600	Technology Practicum	4				X	
ENTC 4777	Safety Management	3				X	
Technology Core Total			23	-	25		
General Education & Technology Core Total			66	-	70		

Part IIIa - Manufacturing Core Classes			Prof.				
			Cr.	Gr.	W	O	T
ENTC 1120	Manuf. Processes & Specs	3					
ENTC 2200	Machine Tool Technology	4					
ENTC 2310	Electrical Principles	4					
ENTC 3620	Thermal & Fluid Technologies	4					
ENTC 3710	Manual CNC Programming	4					X
ENTC 4357	CIM Applications (or ENTC 3260)	3					X
ENTC 4037	Quality Assurance I	3					
Part IIIb - Technical Support Core Courses							
CSCI 2100 ¹	Introduction to C	4					
MATH 1040	Precalculus	3					
MATH 1060 ²	Analy Geometry & Diff. Calc.	3					
MATH 1070 ²	Integral Calc. for Technology	3					
PHYS 2120/21 ²	General Physics II-Lecture/Lab	4					X
Manufacturing & Technical Support Core Total			42	-	44		

Part IV - Speciality Sequences (Choose One) ⁴			Prof.				
			Cr.	Gr.	W	O	T
Programming & Automation Sequence							
ENTC 2320	Electronics I	4					
ENTC 4277	Instrumentation & Process Control	4					
ENTC 4327	Electronics—Digital Circuits	4					
ENTC 4337	Microprocessors I	4					
<i>Choose any two or more of the following ENTC classes</i>							
ENTC 3350	Industrial Electronics	3					
ENTC 4287	Introduction to Robotics	4					
E ⁵ ENTC _____		3					
Program Total w/ Prog. & Autom. Seq.			130	-	136		

General Manufacturing Sequence			Prof.				
			Cr.	Gr.	W	O	T
ENTC 3010	Statics & Strength of Materials	3					
ENTC 3240	Engr Materials & Materials Testing	4					
ENTC 4257	Plant Layout & Materials Handling	3					
<i>Choose any three or more of the following ENTC classes</i>							
ENTC 3600 ⁶	Manufacturing Technology	3					
ENTC 3680	Polymers and Composites	3					
ENTC 4227	Engineering Economy	3					
ENTC 4237	Time & Motion	4					
ENTC 4247	Operational Analysis	3					
E ⁵ ENTC _____		4					
Program Total w/ General Manuf. Sequence			128	-	133		

Notes:

- CSCI 1250, 1310, or 1800 may be substituted for CSCI 2100.
- MATH 1110 & 1120 will satisfy the MATH 1060/1070 sequence.
- CHEM 1120/21 may be substituted for PHYS 2120/21
- In special cases and only with the approval of a MET program advisor, a student may develop a track of technical electives selected with the goal of developing proven technical understanding & competence in one or two manufacturing areas.
- ENTC electives may be chosen from any of the offerings in the other specialty sequence or any of the following: ENTC 4217, 4347, 4900, 4957, 4989/99.
- Cooperative Education (ENTC 4989-99) may be substituted for ENTC 3600.

Advisor Notes:

Advisor: _____ / ____ / ____

Transfer/Substitution Memo Sent _____ / ____ / ____