

Manufacturing Engineering Technology—Program Tally Sheet

1999/2000 & 2000/01 Undergraduate Catalogs

Name _____ SID _____ Academic Year _____
 WKH Rev.: Nov. 6, 2001

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 1060	Analy Geometry & Diff. Calc. ¹	3						
Information Technology Area								
CSCI 1100	Using Info Tech or UIT Exam	2						
Science Area								
PHYS 2110/11	General Physics I-Lecture/Lab	4			X			
PHYS 2120/21	General Physics II-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	-	46		
Part II—Technology/Manufacturing Core Rqmts				Prof.				
				Cr.	Gr.	W	O	T
ENTC Courses								
ENTC 1010	Engineering Analysis	3						
ENTC 1110	Engineering Drawing	4						
ENTC 1120	Manuf. Processes & Specs	3						
ENTC 1510	Student in Univ (Opt. for Xfers >15 hr)	3			X			
ENTC 2170	CADD	3					X	
ENTC 2200	Machine Tool Technology	4						
ENTC 2310	Electrical Principles	4						
ENTC 3030	Technical Communication	3			X	X		
ENTC 3260	Intro to CIM	3					X	
ENTC 3620	Thermal & Fluid Technologies	4						
ENTC 3710	Manual CNC Programming	3					X	
ENTC 4017	Industrial Supervision	3						
ENTC 4030	Quality Assurance I	3						
ENTC 4607	Technology Practicum	4					X	
E ⁶ ENTC	[Elective]	3						
Technical Support Courses								
CHEM 1110/11	Gen. Chemistry: Lect (3)/Lab (1)	4						
CSCI 2100	Introduction to C ⁴	4					X	
Math 1040	Precaculus	3						
Math 1070 ¹	Integral Calc. for Technology	3						
Math 1080	Probability & Statistics	3						
Technology/Manufacturing Core Total				63	-	68		
Part III—Specialty Sequences (Choose One) ⁵				Prof.				
				Cr.	Gr.	W	O	T
Programming & Automation Sequence								
ENTC 2320	Electronics I	4						
ENTC 3350	Industrial Electronics	3						
ENTC 4277	Instrumentation & Process Control	4						
ENTC 4287	Introduction to Robotics	3						
ENTC 4327	Electronics—Digital Circuits	4						
ENTC 4337	Microprocessors I	4						
ENTC 4717	Comp Assisted NC Programming	3						X
Program Total w/ Prog. & Autom. Seq.				131	-	139		
Materials & Processing Sequence								
ENTC 3010	Statics & Strength of Materials	3						
ENTC 3210	Principles of Welding & Foundry	3						
ENTC 3240	Engr Materials & Materials Testing	4						
ENTC 3680	Polymers and Composites	3						
ENTC 3600	Manufacturing Technology	3						
ENTC 4257	Plant Layout & Materials Handling	3						
ENTC 4287	Introduction to Robotics	3						
E ⁶ ENTC		3						
Program Total w/ Mat'ls & Proc. Seq.				129	-	140		
Analysis Sequence								
ENTC 3010	Statics & Strength of Materials	3						
ENTC 3240	Engr Materials & Materials Testing	4						
ENTC 3600	Manufacturing Technology	3						
ENTC 4227	Engineering Economy	3						
ENTC 4237	Time & Motion	4						
ENTC 4247	Operational Analysis	3						
ENTC 4257	Plant Layout & Materials Handling	3						
E ⁶ ENTC		3						
or MATH 4597		3						
Program Total w/ Analysis Seq.				130	-	141		

- Notes:**
- ¹ MATH 1110 & 1120 will satisfy the MATH 1060/1070 seq.
 - ² Minimum 2 credits reqd. Choose one each PESX 1xxx & 2xxx level course **OR** MUSC 1201 **OR** MSC1 1217, 2130, or 3217
 - ³ Cooperative Education (ENTC 4989-99) may be substituted for ENTC 3600
 - ⁴ CSCI 1250 or 1310 may be substituted for CSCI 2100
 - ⁵ 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.
 - ⁶ ENTC electives to be chosen from any of the offerings in the manufacturing engineering specialty sequences or any of the following: ENTC 2130, 3170, 4217, 4287, 4347, 4777, 4900, 4957, 4989, 4999

Advisor: _____ / ____ / ____ Transfer/Substitution Memo Sent _____ / ____ / ____