

Manufacturing Engineering Technology—Program Tally Sheet

1997/98 and 1998/99 Undergraduate Catalogs

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

Part I—General Education Requirements			Cr.	Gr.	Prof.	
Writing Area					W	O
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			Cr.	Gr.	Prof.	
ENTC Courses					W	O
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 3600	Manufacturing Technology ³		3			
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
Technical Support Courses						
CHEM 1110/11	Gen. Chemistry: Lect (3)/Lab (1)		4			
CSCI 2100	Introduction to C ⁴		4			X
Math 1040	Precalculus		3			
Math 1070 ¹	Integral Calc. for Technology		3			
Math 1080	Probability & Statistics		3			
Technology/Manufacturing Core Total			63 - 67			

Part III—Specialty Sequences (Choose One) ⁵			Cr.	Gr.	Prof.	
Programming & Automation Sequence					W	O
ENTC 4277	Instrumentation & Process Control		4			
ENTC 4287	Introduction to Robotics		3			
ENTC 4297	Adv Process Ctrl & Automation		4			
ENTC 4327	Electronics—Digital Circuits		4			
ENTC 4337	Microprocessors I		4			
ENTC 4717	Comp Assisted NC Programming		3			X
E ⁶ ENTC			3			
Program Total w/ Prog. & Autom. Seq.			131 - 139			

Materials & Processing Sequence			Cr.	Gr.	Prof.	
					W	O
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 4020	Field Visitation Seminar ³		2			
ENTC 4257	Plant Layout & Materials Handling		3			
ENTC 4287	Introduction to Robotics		4			
E ⁶ ENTC			3			
Program Total w/ Mat'ls & Proc. Seq.			130 - 139			

Analysis Sequence			Cr.	Gr.	Prof.	
					W	O
ENTC 3010	Statics & Strength of Materials		3			
ENTC 3240	Engr Materials & Materials Testing		4			
ENTC 4020	Field Visitation Seminar ³		2			
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 - 139			

- Notes:**
- MATH 1110 & 1120 will satisfy the MATH 1060/1070 seq.
 - Minimum 2 credits reqd. Choose one each PESX 1xxx & 2xxx level course **OR** MUSC 1201 **OR** MSC1 1217, 2130, or 3217
 - Cooperative Education (ENTC 4989-99) may be substituted for ENTC 3600 &/or ENTC 4020
 - CSCI 1250 or 1310 may be substituted for CSCI 2100
 - 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 to be chosen from any of the offerings in the manufacturing engineering specialty sequences or any of the following: 2130, 3170, 4217, 4287, 4347, 4777, 4900, 4957, 4989, 4999

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