



ADVANCED MANUFACTURING TECHNOLOGY

Associate in Applied Science (AAS)

(Pending approval)

Advising Sheet – Suggested Course Sequence

Student Name _____

Faculty Advisor _____

REQUIRED COURSES	CR.	PRE-REQUISITE COURSES	APPROVED COURSE SUBSTITUTIONS	TERM THAT I PLAN TO TAKE OR ✓ TAKEN
BUS 234 Supply Chain Management <i>Offered Spring Only</i>	3		BUS 266	
IND 137 Team Concepts & Problem Solving <i>Offered Spring Only</i>	3			
IND 101 Quality Assurance Technology I <i>Offered Fall & Summer Only</i>	3		BUS 208	
IND 181 World Class Manufacturing	3			
IND 250 Introduction to Basic Computer Integrated Mfg.	3			
PSY 126 Psychology for Business and Industry	3		PSY 200	
Milestone: Advanced Manufacturing Technology CSC (See faculty advisor)				
SDV 101 Orientation to Advanced Manufacturing	1		SDV 100	
ENG 115 Technical Writing	3	See Placement Test Scores	ENG 111	
MTH 103 Applied Technical Mathematics I	3	See Placement Test Scores	MTH 157, MTH 158, MTH 163, MTH 270	
IND 116 Applied Technology	3			
CAD 201 Computer Aided Drafting & Design	3			
DRF 128 Geometric Dimensioning and Tolerancing	2			
MTH 104 Applied Technical Mathematics II	3	MTH 103	MTH, 157, MTH 158, MTH 163, MTH 270	
SAF 126 Principles of Industrial Safety	3			
ELE 150 A.C. and D.C. Circuit Fundamentals	4			
ELE 239 Programmable Controllers	3			
Humanities Elective	3		See Note 2	
ELE 240 Advanced Programmable Logic Controllers	3			
CAD 235 Applications for Additive Manufacturing	3			
MAC 121 Computer Numerical Control 1	3			
MEC 113 Materials and Process of Industry	3			
Physical Education/Health Elective	1			
Restricted Technical Elective	3		ELE 156, MEC 140, MAC 122	
Total Minimum Credits to Complete	65			

- NOTES:
- Students are strongly encouraged to complete their SDV, ENG, and MTH requirements first.
 - The humanities elective must be satisfied by completing one 3-credit conceptual humanities course. See web site (www.jtcc.edu/humanitiesselectives) for a list of approved conceptual and applied humanities electives.
 - The social science elective requirement can be satisfied by courses with the following prefixes: ECO, GEO, HIS, PLS, PSY, and SOC.
 - Related Career Studies Certificate: Advanced Manufacturing Management CSC
 - Students should regularly meet with their faculty advisor and check their advisement report in MyTyler – SIS.
 - Courses noted as Fall only or Spring only are based on historical trends and current planning and may change without notice.
 - This program is not intended for transfer. Students desiring to transfer should consult their academic advisors and their intended transfer institutions for specific direction in program and course selection. Required courses for any major at four-year institutions may vary.

For more information on this major, contact the Division of Engineering, Business and Public Services. 804.706.5121 (Chester Campus, Godwin Hall, G108) or 804.594.1480 (Midlothian Campus, Hamel Hall, H206).