



MECHANICAL ENGINEERING TECHNOLOGY MECHATRONICS SPECIALIZATION

Associate in Applied Science (AAS)

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
SDV 101 Orientation to STEM	1		SDV 100	
ENG 115 Technical Writing	3	See Placement Test Scores	ENG 111	
MTH 111 Basis Technical Mathematics	3	See Placement Test Scores	MTH 154 or higher	
CAD 151 Engineering Drawing Fundamentals I	3		CAD 201	
MEC 101 Introduction to Engineering Technology I <i>Offered Fall Only</i>	2			
MEC 113 Materials and Processes of Industry	3			
ELE 150 A.C. and D.C. Circuit Fundamentals	4			
ELE 239 Programmable Controllers <i>Offered Fall Only</i>	3			
ITE 115 Introduction to Computer Applications and Concepts	3		See Note 2	
ELE 159 Electrical Motors	3	ELE 150		
MEC 102 Introduction to Engineering Technology II <i>Offered Spring Only</i>	2			
CHM 101 Introduction to Chemistry I or PHY 101 Introduction to Physics I	4		CHM 111 or PHY 201 or higher level PHY	
CAD 241 Parametric Solid Modeling I	3			
MEC 140 Introduction of Mechatronics	3	ELE 150, ELE 239 or instructor permission		
ART 101, ART 102, or PHI 220	3			
MEC 230 Mechatronics Process Control	3			
MEC 211 Machine Design I <i>Offered Fall Only</i>	4			
SOC 200 Principles of Sociology	3			
ELE 240 Advanced Programmable Logic Controllers <i>Offered Spring Only</i>	3	ELE 239		
MEC 161 Basic Fluid Mechanics – Hydraulics/Pneumatics	3			
MEC 270 Computations for Engineering Technology	3			
MAC 131 Machine Lab I	2			
Total Minimum Credits to Complete	64			

NOTES:

1. Students are strongly encouraged to complete their SDV, ENG, and MTH requirements first.
2. Students with good computer skills may seek to satisfy this requirement by CLEP.
3. This program is not intended for transfer. Students desiring to transfer should consult their academic advisors and their intended transfer institutions.
4. Students should regularly meet with their faculty advisor and check their advisement report in MyTyler – SIS.
5. Courses noted as Fall only or Spring only are based on historical trends and current planning and may change without notice.