



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 100 College Success Skills	1			
ENG 111 College Composition I	3	See Placement Test Scores		
MTH 103 Applied Technical Mathematics I	3	See Placement Test Scores	MTH 120, MTH, 157, MTH 158, MTH 163, MTH 170	
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			
MTH 104 Applied Technical Mathematics II <i>Offered Spring Only</i>	3		MTH 120, MTH 157, MTH 158, MTH 164, MTH 170, MTH 173	
Health/Physical Education Elective	1			
CAD 241 Parametric Solid Modeling I	3			
MEC 140 Introduction of Mechatronics	3	ELE 150, ELE 239 or instructor permission		
Humanities Elective	3		See Note 3	
MEC 230 Mechatronics Process Control	3			
MEC 211 Machine Design I <i>Offered Fall Only</i>	4			
Social/Behavioral Science Elective	3		See Note 4	
ELE 240 Advanced Programmable Logic Controllers <i>Offered Spring Only</i>	3	ELE 239		
MEC 266 Applications of Fluid Mechanics	3			
MEC 270 Computations for Engineering Technology	3			
MEC 212 Machine Design II <i>Offered Spring Only</i>	4	MEC 211		
Total Minimum Credits to Complete	66			

NOTES

- Students are strongly encouraged to complete their SDV, ENG, and MTH requirements first.
- Students with good computer skills may seek to satisfy this requirement by CLEP.
- The humanities elective requirement 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/behavioral science elective requirement can be satisfied by courses with the following prefixes: ECO, GEO, HIS, PLS, PSY, SOC.
- This program is not intended for transfer. Students desiring to transfer should consult their academic advisors and their intended transfer institutions.
- 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.

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).