



MECHANICAL ENGINEERING TECHNOLOGY

Associate of Applied Science (A.A.S.)

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			
MTH 103 Applied Technical Mathematics I	3	See Placement Requirements	MTH 120, MTH 158, MTH 163 and MTH 170	
ENG 111 College Composition I	3	See Placement Requirements		
MEC 101 Introduction to Engineering Technology I <i>Offered Fall Only</i>	2			
CAD 151 Engineering Drawing Fundamentals I <i>Offered Fall Only</i>	3		CAD 201	
ITE 115 Introduction to Computer Applications and Concepts	3		See Note 2	
MEC 113 Materials and Processes of Industry	3			
CAD 152 Engineering Drawing Fundamentals II <i>Offered Spring Only</i>	3		CAD 202	
ELE 150 A.C. and D.C. Circuit Fundamentals	4			
MEC 102 Introduction to Engineering Technology II <i>Offered Spring Only</i>	2	MEC 101		
MTH 104 Applied Technical Mathematics II <i>Offered Spring Only</i>	3	MTH 103	MTH 120, MTH 157, MTH 158, MTH 164, MTH 170	
CAD 241 Parametric Solid Modeling I	3			
ELE 159 Electrical Motors	3	ELE 150		
Humanities Elective	3		See Note 3	
MEC 131 Mechanics I – Statics for Engineering Technology	3			
MEC 211 Machine Design I <i>Offered Fall Only</i>	4			
Health/Physical Education Elective	1			
Laboratory Science Elective	4		See Note 4	
MEC 270 Computations for Engineering Technology	3			
MEC 132 Mechanics II – Strength of Materials for Engineering Technology <i>Offered Spring Only</i>	3	MEC 131		
MEC 212 Machine Design II <i>Offered Spring Only</i>	4			
MEC 266 Applications of Fluid Mechanics	3			
Social/Behavioral Science Elective	3		See Note 5	
Total Credits For Program	67			

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/humanitieselectives) for a list of approved conceptual and applied humanities electives.
- The laboratory science requirement can be satisfied by the following courses: BIO 101, BIO 102, BIO 110, BIO 120, CHM 101, CHM 102, CHM 111, CHM 112, ENV 121, ENV 122, GOL 105, NAS 125, PHY 101, PHY 102, PHY 150, PHY 201, PHY 202, PHY 241, and PHY 242.
- 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 faculty advisor 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.