

MECHANICAL

Associate of Applied Science Degree

Course No	Course Title	Credit Hours	Qtrs Offered	Pre-Requisites
FIRST QUARTER (Fall) 19 credits				
IET 1000A	Introduction to Engineering	2	All	None
PHY 1200A	Physics: Mechanics	4	F	MTH1120B or concurrent
PHY 1201A	Physics: Mechanics Lab	1	F	PHY1200A co-requisite
BPT 1300A	Blueprint Reading	2	All	None
EET 2300A	Electrical Machines and Controls	2	F, W	None
MTH 1120B	Intermediate Algebra	4	F,W, Sp	COMPASS or MTH1110B
MET 1330A	Computer Aided Drafting (CAD) I	4	F,W	None
SECOND QUARTER (Winter) 20 credits				
MET 1340A	Computer Aided Drafting (CAD) II	4	W, Sp	MET1330A
PHY 1210A	Physics: Matter & Waves	4	W	MTH1200A or concurrent
PHY 1211A	Physics: Matter & Waves Lab	1	W	PHY1210A co-requisite
ENG 1160A	Oral Communications	4	All	None
MTH 1200A	College Algebra and Trigonometry	5	All	COMPASS or MTH1120B
MET 1060B	Basic Problem Solving	2	W, Sp	None
THIRD QUARTER (Spring) 17 credits				
MET 1350A	Computer Aided Drafting (CAD) III	4	W, Sp	MET1340A
PHY 1220A	Physics: Electricity & Magnetism	4	Sp	MTH1120B
PHY 1221A	Physics: Electricity & Magnetism Lab	1	Sp	PHY1220A co-requisite
ENG 1090A	English Composition I	4	All	OIS1240A or concurrent or examination *
MFT 2500A	Manufacturing Materials & Processes	2	Sp	None
MFT 1400A	Statistical Process Control (SPC)	2	Sp	None
FOURTH QUARTER (Fall) 18 credits				
GES 0000	General Education Elective	4		See specific course listings
MFT 1500A	Computer Numerical Control (CNC)	4	F	None
MET 2010B	Statics	4	F	PHY1200A
MET 2400A	Fluid Power	4	F	None
ENG 1100A	English Composition II	2	All	ENG1090A
FIFTH QUARTER (Winter) 18 credits				
MET 2020B	Strength of Materials	4	W	MET2010B
MET 2110B	Machine Design	4	W	None
MET 2120B	Engineering Mechanics: Dynamics	2	W	PHY1200A
TWR 1100A	Technical Writing	4	W	ENG1090A
MFT 2040B	Quality Management	4	W	None
SIXTH QUARTER (Spring) 18 credits				
MET 2900A	Mechanical Eng Cooperative OR	4	W, Sp	Greater than 45 cr hrs
EEG 0000	Engineering Elective (EET, MFT)			See specific course listings
MET 2700A	Applied Design Project	2	Sp	Greater than 90 cr hrs
MGT 1400A	Intro to Management	4	All	None
MFT 1410A	Engineering Statistics	4	Sp	COMPASS or MTH1110B
MFT 2510A	Cost Estimating	4	Sp	None
Credit Hour Total		110		

☛ CGC's: **Com-1**=ENG1100A; **Com-2**=ENG1160A; **Math**=MTH1120B; **IP & PSDM**=MET2700A; **IT**=OIS0000.

* OIS1300A also accepted by Engineering as a pre-requisite for ENG1090A.