

ELECTRO-MECHANICAL TECHNICIAN

Associate of Technical Study Degree

Course No	Course Title	Credit Hours	Qtrs Offered	Pre-Requisites
FIRST QUARTER (Fall) 18 credits				
EET 2300A	Electrical Machines and Controls	2	F, W	None
IET 1000A	Introduction to Engineering	2	All	None
MTH 1120B	Intermediate Algebra	4	F,W,Sp	COMPASS or MTH1110B
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 2200B	Digital Circuits I	3	F	None
SECOND QUARTER (Winter) 16 credits				
MTH 1200A	College Algebra and Trigonometry	5	W, Sp	COMPASS or MTH1120B
PHY 1210A	Physics: Matter and Waves	4	W	MTH1200A or concurrent
PHY 1211A	Physics: Matter and Waves Lab	1	W	PHY1210A co-requisite
MET 1330A	Computer Aided Drafting (CAD) I	4	F,W	None
MET 1060B	Basic Problem Solving	2	W, Sp	None
THIRD QUARTER (Spring) 20 credits				
PHY 1220A	Physics: Electricity & Magnetism	4	Sp	MTH1120B
PHY 1221A	Physics: Electricity & Magnetism Lab	1	Sp	PHY1220A co-requisite
EET 1100B	Circuit Analysis I	3	Sp	PHY1220A or concurrent or EET1030A
EET 1101A	Circuit Analysis I Lab	1	Sp	EET1100B co-requisite
ENG 1090A	English Composition I	4	All	OIS1240A or concurrent or examination *
MET 1340A	Computer Aided Drafting (CAD) II	4	W, Sp	MET1330A
EET 2320B	Intro to Programmable Controllers	3	Sp	EET2300A
FOURTH QUARTER (Fall) 20 credits				
EET 2500A	Advanced Programmable Controllers	4	F, Sp	EET2320A
MET 2010B	Statics	4	F	PHY1200A
MET 2400A	Fluid Power	4	F	None
MFT 1500A	Cmptr Numerical Control (CNC)	4	F	None
EET 1110B	Circuit Analysis II	3	F	EET1100B
EET 1111A	Circuit Analysis II Lab	1	F	EET1110B co-requisite
FIFTH QUARTER (Winter) 19 credits				
EET 2110A	SCADA Systems	3	W	None
MET 2110B	Machine Design	4	W	None
TWR 1100A	Technical Writing	4	W	ENG1090A
MFT 2040B	Quality Management	4	W	None
ENG 1160A	Oral Communications	4	All	None
SIXTH QUARTER (Spring) 16 credits				
EET 2700A	Applied Design Project	2	Sp	Greater than 90 cr hrs
MFT 1410A	Engineering Statistics	4	Sp	COMPASS or MTH1110B
ENG 1100A	English Composition II	2	All	ENG1090A
MGT 1400A	Introduction to Management	4	All	None
EET 2900A	Electric Eng Co-op Experience OR	4	W, Sp	Greater than 45 cr hrs
EEG 0000	Engineering Elective (EET,MET,MFT)			See specific course listings
Credit Hour Total		109		

☞ CGC's: **Com-1**=ENG1100A; **Com-2**=ENG1160A; **Math**= MTH1120B; **IP & PSDM**= EET2700A; **IT**=OIS0000.

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