

# ELECTRICAL

## Associate of Applied Science Degree

Course No	Course Title	Credit Hours	Qtrs Offered	Pre-Requisites	
<b>FIRST QUARTER (Fall) 18 credits</b>					
IET 1000A	Intro 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	
EET 2200B	Digital Circuits I	3	F	None	
<b>SECOND QUARTER (Winter) 19 credits</b>					
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 1060B	Basic Problem-Solving	2	W, Sp	None	
MFT 2040B	Quality Management	4	W	None	
EET 2220A	Digital Circuits II	3	W	EET2200B	
<b>THIRD QUARTER (Spring) 20 credits</b>					
EET 2320B	Intro to Programmable Controllers	3	Sp	EET2300A	
ENG 1090A	English Composition I	4	All	OIS1240A or concurrent or examination *	
MGT 1400A	Intro to Management	4	All	None	
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	
<b>FOURTH QUARTER (Fall) 17 credits</b>					
EET 2010B	Electronic Devices & Circuits	3	F	EET1100B	
EET 1110B	Circuit Analysis II	3	F	EET1100B	
EET 1111A	Circuit Analysis II Lab	1	F	EET1110B co-requisite	
EET 2500A	Adv'd Programmable Controllers	4	F, Sp	EET2320B	
MET 2400A	Fluid Power	4	F	None	
ENG➤ 1100A	English Composition II	2	All	ENG1090A	
<b>FIFTH QUARTER (Winter) 18 credits</b>					
EET 2030B	Linear Integrated Circuits and Process Controls	3	W	EET2010B	
EET 2110A	SCADA Systems	3	W	EET2300A or concurrent	
EET 2900A	Electrical Engineering Co-op <b>OR</b>	4	W, Sp	Greater than 45 cr hrs	
EEG 0000	Engineering Elective (MET, MFT)			See specific course listings	
TWR 1100A	Technical Writing	4	W	ENG1090A	
MET 1330A	Computer Aided Drafting (CAD) I	4	F,W	None	
<b>SIXTH QUARTER (Spring) 18 credits</b>					
EET 2020A	Electrical Distribution Systems	4	Sp	EET1110B or EET1030A	
EET➤ 2700A	Applied Design Project	2	Sp	Greater than 90 cr hrs	
EET 2600A	Robotic Programming	4	Sp	None	
MFT 1410A	Engineering Statistics	4	Sp	COMPASS or MTH1110B	
ENG➤ 1160A	Oral Communications	4	All	None	
<b>Credit Hour Total</b>		<b>110</b>			

➤ 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.