

Central Ohio Technical College
2010-2011 Academic Year

**Plan of Study for the Associate of Applied Science Degree
in Electrical Trades Technology**

Name:	
COTC ID #	
Advisor:	
Datatel Department Code	ETA
COTC Major Number	003132
OBR Subjectcode	150303

Courses listed on this Plan of Study may have prerequisites; please see the Course Description Section on the COTC Web Page (COTC Current Students Tab).

CRS NAME	CRS TITLE	CR HRS	CRS TYPE	QTR OFFERED	CRS NAME	CRS TITLE	CR HRS	CRS TYPE	QTR OFFERED
Year 1					Year 2				
CMP-1601	Principles of Computing	1.00	Non-Tech	AU	BHS-1382	Sociology	3.00	Non-Tech	SM
ETA-3060	Overview of the Electrical Trades Industry	3.00	Non-Tech	AU	COM-1535	Composition I	4.00	Non-Tech	SM
ETA-3061	Blueprint Reading & Conduit Fabrication I	2.00	Tech	WI	ETA-3063	National Electrical Code II	6.00	Tech	AU
ETA-3062	National Electrical Code I	1.00	Tech	WI	ETA-3082	AC Theory for Electricians	3.00	Tech	WI
ETA-3081	DC Theory for Electricians	4.00	Tech	SP	ETA-3064	Blueprint Reading & Conduit Fabrication II	1.00	Tech	SP
					ETA-3065	Test Instrument & Safety	3.00	Tech	SP
Year 3					Year 4				
BHS-1340	Ethics	3.00	Non-Tech	SM	COM-1534	Effective Communications	4.00	Non-Tech	SM
COM-1536	Composition II	4.00	Non-Tech	SM	ETA-3069	Motors and Motor Control I	5.00	Tech	AU
ETA-3084	Physics Electronics for Electricians	4.00	Tech	AU	ETA-3070	Lightning Protection and HVAC	1.00	Tech	WI
ETA-3066	Electrical Grounding	6.00	Tech	WI	ETA-3071	OSHA 30	3.00	Tech	SP
ETA-3067	Industrial Blueprints and Advanced Transformers	3.00	Tech	SP	ETA-3072	Program Logic Controllers for Electricians	2.00	Tech	SP
ETA-3068	Advanced Codes & Practices	3.00	Tech	SP	ETA-3085	Digital Electronics for Electricians	4.00	Tech	WI
Year 5					Proficiency Credit Awarded				
	Non Technical Elective	3.00	NT Elective	SM	MTH-1210	Intermediate Algebra	5.00	Non-Tech	QTR 10
	Non Technical Elective	3.00	NT Elective	SM	MTH-1226	Trigonometry	5.00	Non-Tech	QTR 10
ETA-3073	Fire Alarm Systems	2.00	Tech	AU	PHY-1727	Physics II - Electricity and Magnetism	5.00	Non-Tech	QTR 14
ETA-3074	Automated Networks and Special Code	3.00	Tech	AU	Non Technical Elective Course Choices				
ETA-3075	Advanced Test Instruments	4.00	Tech	WI	Total of 6 Credit Hours Required				
ETA-3076	Distributed Generation	2.00	Tech	WI	BHS-1006	Critical Thinking	3.00	NT Elective	SM
ETA-3077	High Voltage and Insulation Testing	3.00	Tech	SP	BHS-1030	Reasoning Skills	4.00	NT Elective	SM
ETA-3078	Telephone and Security Systems	2.00	Tech	SP	BHS-1379	Cultural Diversity	3.00	NT Elective	SM
					BHS-1531	National Issues	3.00	NT Elective	SM
KEY:		ETA APPRENTICESHIP COURSES:			Total Credit Hours Required for Completion of Degree:		110.00		
		COTC DEGREE COMPLETION COURSES							
		COTC PROFICIENCY CREDIT AWARDED							
		Non-Tech Required Credit Hours:		43.00		Technical Required Credit Hours:		67.00	

The College Reserves the Right to Change Curricula Without Notice.

March, 2010

Office of the Vice President for Academic Affairs