

Central Ohio Technical College  
 Requirements for the Associate of Technical Studies Degree in  
 Electrical Trades Technology\*\*  
 2008-2009 Academic Year

Required Non-Technical Credit Hours: 48.00

BHS-1340	Ethics	3.00
BHS-1382	Sociology	3.00
CMP-1601	Principles of Computing	1.00
COM-1523	Small Group Communications	3.00
COM-1534	Effective Communications	4.00
COM-1535	Composition I	4.00
COM-1536	Composition II	4.00
ETA-3080	Mathematics for Electrical Workers I	3.00
ETA-3081	Physics - DC Theory for Electricians	4.00
ETA-3082	Physics - AC Theory for Electricians	3.00
ETA-3083	Mathematics for Electrical Workers II	2.00
ETA-3084	Physics - Electronics for Electricians	4.00
ETA-3085	Physics - Digital Electronics for	4.00
	Non-Technical Elective	3.00
	Non-Technical Elective	3.00

Required Technical Credit Hours: 55.00

ETA-3060	Overview of the Electrical Trades	3.00
ETA-3061	Fabrication I	1.00
ETA-3062	National Electrical Codes I	2.00
ETA-3063	National Electrical Codes II	6.00
ETA-3064	Fabrication II	1.00
ETA-3065	Test Instrumentation and Safety	3.00
ETA-3066	Electrical Grounding	6.00
ETA-3067	Transformers	3.00
ETA-3068	Advanced Codes and Practices	3.00
ETA-3069	Motors and Motor Control I	5.00
ETA-3070	Lightning Protection and HVAC	1.00
ETA-3071	OSHA 30	3.00
ETA-3072	Programmable Logic Controllers for	2.00
ETA-3073	Fire Alarm Systems	2.00
ETA-3074	Automated Networks and Special Code	3.00
ETA-3075	Advanced Test Instruments	4.00
ETA-3076	Distributed Generation	2.00
ETA-3077	High Voltage and Insulation Testing	3.00
ETA-3078	Telephone and Security Systems	2.00

TOTAL REQUIRED PROGRAM CREDIT HOURS: 103.00

\*\*\*Courses Offered Pending the Approval of the  
 Ohio Board of Regents