

**IBEW/NECA ELECTRICAL TRADES APPRENTICESHIP PATHWAY TO A  
TECHNICAL ASSOCIATE DEGREE**

Please complete this form by April 30, 2010 and send via email to [smccann@columbus.rr.com](mailto:smccann@columbus.rr.com)

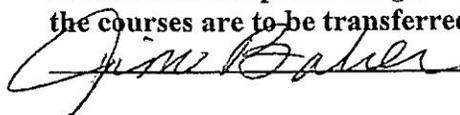
Name of Institution: **EASTERN GATEWAY COMMUNITY COLLEGE**

Name of Technical Associate Degree: **ATS-B ELECTRICAL TRADES TECHNOLOGY**

I.	Electrical Trades Curriculum	30 Semester Hours (50%)	
	AIT101 Industrial Electricity I	2	sem.cr.hrs.
	AIT103 Electrical Blueprint Reading I	1	sem.cr.hr.
	AIT102 National Electrical Code I	1	sem.cr.hr.
	AIT141 Industrial Electricity II	2	sem.cr.hrs.
	AIT142 National Electrical Code II	1	sem.cr.hr.
	AIT143 Electrical Blueprint Reading II	1	sem.cr.hr.
	AIT150 Electrical Construction Methods	1	sem.cr.hr.
	AIT171 Industrial Electricity III	2	sem.cr.hrs..
	AIT173 Electrical Blueprint Reading III	1	sem.cr.hr..
	AIT180 Electrical Machinery	2	sem.cr.hrs..
	AIT175 Electrical Motor Controls I	2	sem.cr.hrs..
	AIT190 Industrial Safety Practices	1	sem.cr.hr.
	AIT210 Fundamentals of Electronics	2	sem.cr.hrs..
	AIT211 Industrial Electronics I	3	sem.cr.hrs.
	AIT215 Electrical Motor Controls II	2	sem.cr.hr..
	AIT216 Electricity for HVAC	1	sem.cr.hr..
	AIT242 National Electrical Code III	1	sem.cr.hr.
	AIT245 Instrumentation & Testing	2	sem.cr.hrs.
	AIT251 Industrial Electronics II	2	sem.cr.hrs.
<b>Total = 30 semester hours</b>			

II. Non-Technical Curriculum		30 Semester Hours Minimum (50%)
Courses are to be from the following:		
<b>A. General Education – At least one 3 hour semester course in each area for a total minimum of 15 semester credit hours.</b>		
<b>Area I.</b>	<b>English Composition/Oral Communication</b> – 3 semester hours minimum	
	ENG101 – English Composition I	3 sem.cr.hrs.
	ENG104 – Technical & Professional Writing	3 sem.cr.hrs.
<b>Area II.</b>	<b>Mathematics</b> – 3 semester hours minimum	
	BUS111 – Business Math	3 sem.cr.hrs.
	MTH 110 – Technical Algebra (Embedded in Electrical Trades Curriculum; does not carry the OTM transfer guarantee)	3 sem.cr.hrs.
	MTH 111 – Technical Trigonometry	3 sem.cr.hrs.
<b>Area III.</b>	<b>Arts &amp; Humanities</b> – 3 semester hours minimum	
	COM 101 – Public Speaking	3 sem.cr.hrs.
<b>Area IV.</b>	<b>Social Sciences</b> – 3 semester hours minimum	
	PSY 101 – General Psychology	3 sem.cr.hrs.
	MGT210 – Leadership Development and Team Building	3 sem.cr.hrs.
<b>Area V.</b>	<b>Natural Sciences/Physics</b> – 3 semester hours minimum	
	PHY 106 – College Physics ( Embedded in Electrical Trades Curriculum; does not carry the OTM transfer guarantee)	3 sem.cr.hrs.
		<b>Total = 27 semester hours</b>
Note: General Education courses can be taken before enrollment in Electrical Trades Curriculum, concurrently while in Electrical Trades Curriculum, or after Electrical Trades Curriculum is completed.		
<b>B. Basic Education</b>		
Courses basic to the technical field and closely related to the technical specialty.		
	CSS106 – Orientation to College	1 sem.cr.hr.
	CIS100E – Windows Environment	1 sem.cr.hr.
	CIS100I – Internet Basics	1 sem.cr.hr.
		<b>Total = 3 semester hours</b>
<b>Total of Degree Program: 60 Semester Hours (100%)</b>		

If a student completes the general education requirements at a different institution at which the electrical trades curriculum was completed, the courses are to be transferred back to that institution to complete the Associate Degree.

 Executive Vice President for Academic and Student Affairs 10/19/12 Date