

**2011 - 2012 - Electrical Tuition & Fees**

Course Number	Course Name	Credit Hours	Cont Hours	WCH	Total Cost			
					In Dist	Out of Dist		
Registration Fee of \$15 per semester.					\$	15.00	\$	15.00
<b>Core Courses</b>								
COR-10001-00M	Basic Safety	0.50	12.5	0.78	\$86.21	\$111.95		
COR-10002-00M	Introduction to Construction Math	0.40	10.0	0.63	\$69.54	\$90.33		
COR-10003-00M	Introduction to Hand Tools	0.40	10.0	0.63	\$69.54	\$90.33		
COR-10004-00M	Introduction to Power Tools	0.40	10.0	0.63	\$69.54	\$90.33		
COR-10005-00M	Introduction to Blue Prints	0.40	10.0	0.63	\$69.54	\$90.33		
COR-10006-00M	Basic Rigging	0.60	15.0	0.94	\$103.83	\$134.85		
COR-10007-00M	Basic Communications Skills	0.30	7.5	0.47	\$51.92	\$67.43		
COR-10008-00M	Basic Employability Skills	0.30	7.5	0.47	\$51.92	\$67.43		
COR-10009-00M	Handle Materials	0.20	5.0	0.31	\$44.30	\$54.53		
<b>Core Totals</b>		<b>3.50</b>	<b>87.5</b>	<b>5.49</b>	<b>\$616.34</b>	<b>\$797.51</b>		
<b>Electrical Level 1</b>								
ELT-10101-00M	Orientation to the Electrical Trade	0.10	2.5	0.16	\$27.00	\$32.28		
ELT-10102-00M	Electrical Safety	0.40	10.0	0.63	\$107.04	\$127.83		
ELT-10103-00M	Intro to Electrical Circuits	0.30	7.5	0.47	\$80.05	\$95.56		
ELT-10104-00M	Electrical Theory	0.30	7.5	0.47	\$80.05	\$95.56		
ELT-10105-00M	Intro to the NEC	0.30	7.5	0.47	\$80.05	\$95.56		
ELT-10106-00M	Device Boxes	0.40	10.0	0.63	\$107.04	\$127.83		
ELT-10107-00M	Hand Bending	0.40	10.0	0.63	\$107.04	\$127.83		
ELT-10108-00M	Raceways and Fittings	0.80	20.0	1.25	\$213.13	\$254.38		
ELT-10109-00M	Conductors and Cables	0.40	10.0	0.63	\$107.04	\$127.83		
ELT-10110-00M	Basic ELT Construction Drawings	0.30	7.5	0.47	\$80.05	\$95.56		
ELT-10111-00M	Residential Electrical Services	0.60	15.0	0.94	\$160.08	\$191.10		
ELT-10112-00M	Electrical Test Equipment	0.20	5.0	0.31	\$53.05	\$63.28		
<b>Level 1 Totals</b>		<b>4.50</b>	<b>112.50</b>	<b>7.06</b>	<b>\$1,201.62</b>	<b>\$1,434.60</b>		
<b>Electrical Level 2</b>								
ELT-10202-00M	Alternating Current	0.70	17.5	1.10	\$187.08	\$223.38		
ELT-10203-00M	Motors: Theory and Application	0.80	20.0	1.25	\$213.13	\$254.38		
ELT-10204-00M	Electrical Lighting	0.60	15.0	0.94	\$160.08	\$191.10		
ELT-10205-00M	Conduit Bending	0.60	15.0	0.94	\$160.08	\$191.10		
ELT-10206-00M	Pull and Junction Boxes	0.50	12.5	0.78	\$133.09	\$158.83		
ELT-10207-00M	Conductor Installations	0.40	10.0	0.63	\$107.04	\$127.83		
ELT-10208-00M	Cable Tray	0.30	7.5	0.47	\$80.05	\$95.56		
ELT-10209-00M	Conductor Terminations and Splices	0.30	7.5	0.47	\$80.05	\$95.56		
ELT-10210-00M	Grounding and Bonding	0.60	15.0	0.94	\$160.08	\$191.10		
ELT-10211-00M	Circuit Breakers and Fuses	0.50	12.5	0.78	\$133.09	\$158.83		
ELT-10212-00M	Control System and Concepts	0.50	12.5	0.78	\$133.09	\$158.83		
<b>Level 2 Totals</b>		<b>5.80</b>	<b>145.0</b>	<b>9.08</b>	<b>\$1,546.86</b>	<b>\$1,846.50</b>		
<b>Electrical Level 3</b>								
ELT-20303-00M	Load Calculations - Branch Circuits	0.70	17.5	1.09	\$186.14	\$222.11		
ELT-20304-00M	Conductor Selection and Calculations	0.60	15.0	0.94	\$160.08	\$191.10		
ELT-20305-00M	Practical Applications of Lighting	0.50	12.5	0.78	\$133.09	\$158.83		
ELT-20306-00M	Hazardous Locations	0.60	15.0	0.94	\$160.08	\$191.10		
ELT-20307-00M	Overcurrent Protection	1.00	25.0	1.56	\$266.17	\$317.65		
ELT-20308-00M	Distribution Equipment	0.50	12.5	0.78	\$133.09	\$158.83		
ELT-20309-00M	Transformers	0.50	12.5	0.78	\$133.09	\$158.83		
ELT-20310-00M	Commercial Electrical Services	0.40	10.0	0.63	\$107.04	\$127.83		
ELT-20311-00M	Motor Calculations	0.50	12.5	0.78	\$133.09	\$158.83		
ELT-20312-00M	Vocie, Data, and Video	0.40	10.0	0.63	\$107.04	\$127.83		
ELT-20313-00M	Motor Controls	0.50	12.5	0.78	\$133.09	\$158.83		
<b>Level 3 Totals</b>		<b>6.20</b>	<b>155.0</b>	<b>9.69</b>	<b>\$1,652.00</b>	<b>\$1,971.77</b>		

	<b>Electrical Level 4</b>					
ELT-20404-00M	Load Calculations - Feeder and Services	0.80	20.0	1.25	\$213.13	\$254.38
ELT-20405-00M	Health Care Facilities	0.40	10.0	0.63	\$108.04	\$128.83
ELT-20406-00M	Standby and Emergency Systems	0.40	10.0	0.63	\$107.04	\$127.83
ELT-20407-00M	Basic Electronic Theory	0.40	10.0	0.63	\$107.04	\$127.83
ELT-20408-00M	Fire Alarm Systems	0.60	15.0	0.94	\$160.08	\$191.10
ELT-20409-00M	Specialty Transformers	0.40	10.0	0.63	\$107.04	\$127.83
ELT-20410-00M	Advanced Motor Controls	0.80	20.0	1.25	\$213.13	\$254.38
ELT-20411-00M	HVAC Controls	0.60	15.0	0.94	\$160.08	\$191.10
ELT-20412-00M	Heat Tracing and Freeze Protection	0.40	10.0	0.63	\$107.04	\$127.83
ELT-20413-00M	Motor Operations and Maintenance	0.40	10.0	0.63	\$107.04	\$127.83
ELT-20414-00M	Medium Voltage Termination/Splices	0.40	10.0	0.63	\$107.04	\$127.83
ELT-20415-00M	Special Locations	0.80	20.0	1.25	\$213.13	\$254.38
ELT-20416-00M	Introductory Skills for Crew Leader	0.60	15.0	0.94	\$160.08	\$191.10
	<b>Level 4 Totals</b>	<b>7.00</b>	<b>175.0</b>	<b>10.98</b>	<b>\$1,869.91</b>	<b>\$2,232.25</b>
	Technical electives approved by advisor	3.00	64.0	4.00	\$618.00	\$750.00
	<b>Electives Totals</b>	<b>3.00</b>	<b>64.0</b>	<b>4.00</b>	<b>\$390.00</b>	<b>\$522.00</b>
	<b>Electrical Technology Certificate of Completion</b>	<b>30.00</b>	<b>739.00</b>	<b>46.30</b>	<b>\$7,276.73</b>	<b>\$8,804.63</b>
	<b>Additional Electrical Courses (May be used as Elective Credits)</b>					
ELT-14000-00M	Solar/Wind Energy	3.00	64.0	4.00	\$390.00	\$522.00
ELT-20417-00M	PLC	1.00	25.0	1.56	\$266.17	\$317.65
ELT-20418-00M	Mich ELT Laws	0.60	10.0	0.63	\$107.04	\$127.83
	<b>Electrical Technology Associate in Applied Science</b>					
	<b>Engineering Design Technologies</b>					
EDT-11000-00M	Detailing w/AutoCAD	3.00	64.0	4.00	\$398.00	\$530.00
EDT-14000-00M	Architectural Drawing/CAD	4.00	64.0	4.00	\$398.00	\$530.00
	<b>EDT Totals</b>	<b>7.00</b>	<b>128.0</b>		<b>\$796.00</b>	<b>\$1,060.00</b>
	<b>General Education</b>					
	Satisfactory Reading Placement					
	Humanities Elective	3.00	48.0	3.00	\$331.50	\$430.50
	Science Elective with lab	4.00	80.0	5.00	\$522.50	\$687.50
	Social Science Elective	3.00	48.0	3.00	\$331.50	\$430.50
ENG-10303	English Composition I w/Computers	3.00	48.0	3.00	\$331.50	\$430.50
ENG-10000	Writing Lab (does not count toward degree)	0-1.00	32.0	2.00	\$236.00	\$302.00
ENG-10403	English Composition II w/Computers	3.00	48.0	3.00	\$331.50	\$430.50
	or					
ENG-106--	Technical Writing	3.00	48.0	3.00	\$331.50	\$430.50
MTH-12000	Intermediate Algebra	4.00	64.0	4.00	\$427.00	\$559.00
POL-10100	Introduction to American Government	3.00	48.0	3.00	\$331.50	\$430.50
SPE-10500	Fundamentals of Speech	3.00	48.0	3.00	\$286.50	\$385.50
	or					
SPE-11400	Intro to Interpersonal & Public Communication	3.00	48.0	3.00	\$286.50	\$385.50
	<b>General Education Totals</b>	<b>23.00</b>	<b>432.0</b>		<b>\$3,129.50</b>	<b>\$4,086.50</b>
	<b>Electrical Technology Associate in Applied Science</b>					
	Electrical Technology Certificate of Completion	30.00	739.0		\$7,276.73	\$8,804.63
	Engineering Design Technologies	7.00	128.0		\$796.00	\$1,060.00
	General Education	23.00	432.0		\$3,129.50	\$4,086.50
	<b>Total</b>	<b>60.00</b>	<b>1,299.0</b>		<b>\$11,202.23</b>	<b>\$13,951.13</b>