EDUCATION FOR EMPLOYMENT PROGRAM OF STUDY

Major area of study: Electrical Technology

HIGH SCHOOL	COLLEGE
EFE Program: Electrical Technology	**Associate of Applied Science Degree:** Electrical Technology
CIP Code: 46.0000	CIP Code: 15.0303

HIGH SCHOOL SCHEDULE

9TH GRADE	**Graduation Requirements:** Electives (2), English, Foreign Language, Health, Math (Algebra), Physical Education, Science (Biology), Social Studies (US History/Geography)	
10th GRADE	**Graduation Requirements:** Electives (2), English, Foreign Language, Math (Geometry), Science (Chemistry/Physics), Social Studies (Government/Econ)	
11th GRADE	**Graduation Requirements:** Electives (3), English, Math (Algebra II), Science (3rd), Social Studies (World History/Geography)	**EFE High School Program Electrical Technology**
12th GRADE	**Graduation Requirements:** Electives (5), English, Fine Arts, **Math (Electrical Technology equivalent credit)**	**Kalamazoo Valley Community College Credit** *ELT 100: Basic Electricity (2CR)* *ELT 110: Residential Wiring and Code (3CR)*

Delete two electives a year for a 6 hour day; delete three electives a year for a five hour day.

*High School courses listed above in **red bold** (yellow highlight) provide an opportunity to earn **FREE COLLEGE CREDIT** for the college course(s) listed below in **black bold** (yellow highlight).*
Students must maintain a B or higher per semester/trimester to earn credit.

COLLEGE SCHEDULE

Program Requirements for an Associate of Applied Science Degree

Program Required Courses		Program Elective Courses	
CIS 110 (3CR) PC Operating Systems	ELT 215 (3CR) Installing Commercial Wiring ELT 218 (2CR) Introduction to AC Drives	DRFT 113 (3CR) Architectural Blueprint Reading	MSM 125 (2CR) Advanced Fluid Power
ELT 102 (4CR) Applied Electricity ELT 103 (4CR) Industrial Electronics	ELT 220 (3CR) Motor Control ELT 222 (3CR) Programmable Control	ELT 238 (3CR) Voice/Data/Video Systems ELT 278 (3CR) Electrical Tech Internship	ENG 110 (3CR) College Writing I ENG 127 (3CR) Technical Writing
ELT 110 (3CR) Residential Wiring and Code ELT 115 (3CR) Commercial Wiring and Code	ELT 224 (3CR) Machine Panel Design/Fabrication	HVAC 123 (3CR) Refrigeration I	MATH 106 (4CR) Technical Mathematics
ELT 120 (3CR) Electrical Machines	MSM 102 (2CR) Basics/Mechanical Technology MSM 120 (2CR) Basic Fluid Power	MACH 101 (3CR) Trends in Manufacturing MACH 103 (4CR) Fundamentals & Machine Tool Operations	Political Science Elective *Minimum 3 Credits Social Science Elective *Minimum 3 Credits Wellness/Physical Ed Elective *Minimum 3 Credits

Required Credit Hours:	**62**	**Average Salary Range: $26,000 - $75,000**
Earned College Credit Hours:	**2-5**	**Occupations:**
Hours Remaining to Obtain Degree:	**57-60**	Residential Wiring Electrician, Wind Energy Tech/Mechanic, Telephone/Cable/Burglar/Fire Alarm Installer, Power Line Worker, Electrical Supply Company Representative, Journeyman Electrician, Electronics Installer/Repairer
Average College Savings:	**$382.50**	

*Subject to change – tuition rates based at $76.50/Credit (CR)