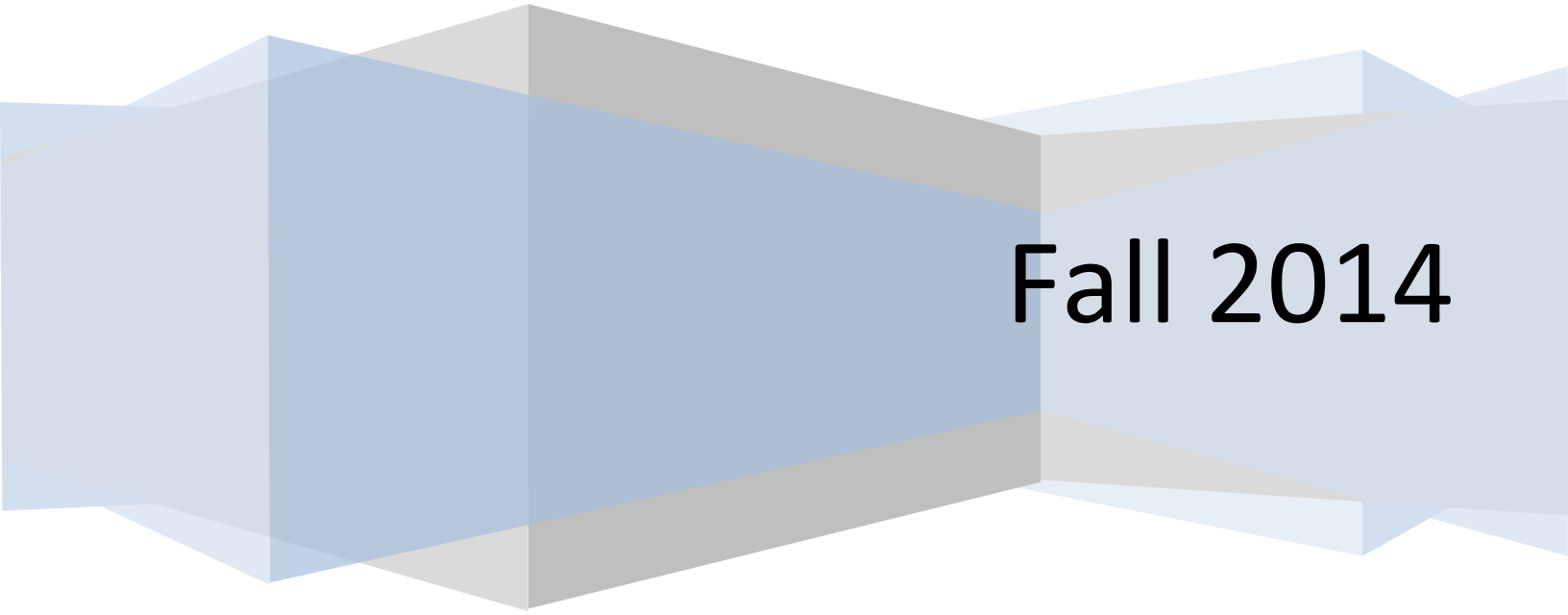
Southeast Technical Institute

New Program Application

Electrician

Associate of Applied Science Degree



Fall 2014

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Electrician – AAS Degree

Executive Summary

Electricians are an integral component of the manufacturing, construction and housing industries. Electricians install and maintain electrical systems for residential, farmstead and commercial locations.

Southeast Technical Institute (STI) through an Electrician AAS Degree program would provide regional employers with graduates capable of working in industry immediately. STI currently has a number of strong trade programs and we believe that the addition of an Electrician AAS Degree would provide students additional choices in high-demand workforce needs in the Sioux Falls area.

Identification and Description of the Program

STI is proposing a two-year Electrician AAS Degree. The electrician program is designed to provide graduates with the skills to become a successful electrician and to establish hours towards licensure requirements. The program will be developed to provide one month of credit for each month of schooling completed with a passing grade as described in Article 20:44:16:12 of the South Dakota administrative rule.

The program will cover electrical fundamentals, mathematics, drawing, wiring, blueprint reading, power distribution, control fundamentals, motor fundamentals, heating, planning and estimating, industrial relations, first aid and transformer fundamentals. The curriculum will consist of instruction in the previous areas with supporting laboratory classes for all areas. In addition, a core of General Education courses including Math, English, Computers, Social Sciences and Psychology will be included.

The electrical industry relates to the installation or repair of electrical systems, electrical fixtures and equipment including motors, control systems, and data systems. Electricians are able to work in commercial settings, farmsteads or residential settings.

Objectives and Purpose of the Program

The primary objective of this program is to provide qualified personnel for all segments of the electrical industry. This objective will be met by providing an education that prepares the graduate to be employed as a licensed electrician and to sit for licensure exams.

The electrical industry is made up of professionals serving in many different roles. There is a constant demand for electricians in the region to serve these roles.

Complimentary to the requirements of ARSD 24:44:16:12, the objectives of the program include:

- Connect wires to circuit breakers, transformers, or other components
- Repair or replace wiring, equipment, or fixtures, using hand tools or power tools
- Assemble, install, test, or maintain electrical or electronic wiring, equipment, appliances, apparatus, or fixtures, using hand tools or power tools
- Test electrical systems or continuity of circuits in electrical wiring, equipment, or fixtures, using testing devices, such as ohmmeters, voltmeters, or oscilloscopes, to ensure compatibility and safety of system
- Use a variety of tools or equipment, such as power construction equipment, measuring devices, power tools, and testing equipment, such as oscilloscopes, ammeters, or test lamps
- Plan layout and installation of electrical wiring, equipment, or fixtures, based on job specifications and local codes
- Inspect electrical systems, equipment, or components to identify hazards, defects, or the need for adjustment or repair, and to ensure compliance with codes
- Direct or train workers to install, maintain, or repair electrical wiring, equipment, or fixtures.
- Diagnose malfunctioning systems, apparatus, or components, using test equipment and hand tools to locate the cause of a breakdown and correct the problem

Methods of Attaining the Objectives of the Program

Upon receipt of the State Board of Education approval, Southeast Technical Institute will accept up to 24 students beginning in the Fall Semester of 2014. The marketing campaign to recruit students will include a comprehensive media mix in the Sioux Falls area.

The two-year Electrician AAS Degree will consist of classes in Electrical Theory, Electrical Processes, Control Systems, Mathematics, Computers and Communications. The students will receive an extensive amount of laboratory time in hands-on electrical applications to develop their skill and prepare them for an apprenticeship.

The Electrician Program will be offered traditionally, during the day, at STI.

During the development of the Electrician program, STI obtained guidance from several individuals in the industry. STI will develop an electrician advisory board to help assist in the refinement of curriculum.

Description of Labor Market Demands of the United States, State of South Dakota, Student Needs, and Industry Support

National Data

According to the 2012 – 2022 National Bureau of Labor Statistics, there is an expected increase of 20%, or 114,700 employees, for Electricians. See Table Below.

National Bureau of Labor Statistics 2010 – 2020			
Position	**Employees 2010**	**Employees 2020**	**2010 – 2020 %**
Electricians	583,500	698,200	20%

Source: http://www.bls.gov/ooh/construction-and-extraction/electricians.htm#tab-6

State/Regional Data

According to the 2010 – 2020 South Dakota Occupational Employment Projections, there is an expected increase of 11.2% for Electricians. This is an increase of 195 positions during this period, with 66 average annual openings. See Table Below.

SD Bureau of Labor Statistics 2010 – 2020			
Position	**Employees 2010**	**Employees 2020**	**2010 – 2020 %**
Electricians	1,745	1,940	11.2%

Source: http://dlr.sd.gov/lmic/occupation_projections.aspx

Student Needs

This program will provide students with an opportunity to enter an expanding industry that has many different entry points, areas for growth, and training that meets industry need. The majority of students will enter as an apprentice electrician and start working towards their journeyman electrician license. The program provides a background in theory, processes, and general education.

Industry support

STI has met with leaders of several electrical contracting companies and the local electrical union in Sioux Falls and has received a strong level of support, indicated by the letters of support attached in Appendix C.

Population to be Served by the Program

STI will recruit students from a variety of backgrounds, including both traditional and non-traditional. It is anticipated that this program will attract students directly out of high school in addition to those who are unemployed, underemployed and those wanting to make a career change.

Program Capacity

Starting Semester	Delivery Format	Capacity
Fall 2014	Traditional Day	24

Projected Three-Year Budget Plan

BUDGET PROJECTIONS			
Year	2014-2015	2015-2016	2016-2017
Salaries/Benefits (2 FTE)	$112,845.00	$116,230.00	$119,717.00
Staff Travel	$1,500.00	$1,500.00	$1,500.00
Instructional Materials	$100,000.00	$60,000.00	$60,000.00
Capital Equipment	$100,000.00	$50,000.00	$50,000.00
Software/Books/Fees	$4,000.00	$4,100.00	$4,200.00
Totals	$318,345.00	$231,830.00	$235,417.00

Salaries/Benefits/FTE/Equipment

The Electrician Program will require one full-time instructor. This program will require an additional full-time lab specialist. Laboratories for wiring and cabling modules will be created for the program. STI will renovate existing lab space for the electrician program and procure supplies and equipment for the program.

Program Competencies and entry and exit points of sub-occupations

Program competencies and the entry points for the Electrician program at STI are based on South Dakota Administrative Rule per Article 20:44. STI feels that the majority of students will sit for the examination of the wiring license per 20:44:16:03 and work as an apprentice electrician. The apprentice electrician will need a combination of four years of electrical experience under the employment and supervision of a licensed electrical contractor or Class B electrician and formal education to move to the journeyman's license.

Entry Point: Fall 2014

Exit Point: Spring 2016; Students will graduate with a two-year AAS Degree.

Statement of non-duplication

While there are programs both at Mitchell Technical Institute in Mitchell and Western Dakota Tech in Rapid City, there is still a need to graduate more electricians, specifically in the Sioux Falls area. According to the South Dakota Occupational Wage Estimates from September of 2013, 540 out of the 1,660 electricians in SD work in Sioux Falls. Sioux Falls electricians make up 32% of the electrician workforce in the state. Sioux Falls has almost as many electricians as the rest of East River combined: 540 compared to 560 for East River.

Also, there is an acute demand for electricians that does not exist in the rest of the state. The average wage for an electrician in South Dakota is $20.89 per hour. That number is $22.86 in Sioux Falls. The salary for electricians in Sioux Falls is 9.4% higher than the state as a whole. This discrepancy is even greater in new electricians. For wages in the 10th percentile, which is made up mostly of new or apprentice electricians, the state average is $13.64 per hour while the wage in Sioux Falls is $15.70. That is a 15.1% difference. The higher wages in the Sioux Falls area are an indicator that the demand in Sioux Falls is outpacing the supply more aggressively than in the rest of the state.

Lastly, the program in Sioux Falls will not cause the state to educate more electricians than we need. According to the SD Department of Labor Data, South Dakota will need 66 new electricians educated every year between 2010 and 2020. In 2013, MTI graduated 36 electricians and WDT graduated 17. This total is 53. The projected number of graduates each year for the STI program is 15-20. This projection is based of graduation rates for each of the two existing programs in the state. With these graduates added to the total, South Dakota will be educating 68-73 electricians per year. We can

assume that 20% of graduates will work out of state, so the South Dakota graduates will still not outpace need.

The state's need for more electricians is focused specifically in Sioux Falls. Creating a program there in addition to the programs that already exist in Rapid City and Mitchell properly aligns the state's educational resources with the needs of the state.

Curriculum design and research

Southeast Technical Institute designed a tentative curriculum after an extensive review consisting of curriculum searches, academic review of competencies, and through discussion with industry professionals. The curriculum is shown in Appendix B.

Wage Factor

Data from the South Dakota Department of Labor Occupational Wage Estimates through September 2013 positions the average hourly wage from $20.23 to $22.86. See Table Below:

South Dakota Department of Labor Occupational Wage Estimates June 2012 Data				**Percentile**				
Occupation	**Area**	**Workers**	**Avg Wage**	**10th**	**25th**	**50th**	**75th**	**90th**
Electrician	State	1,660	$20.89	$13.64	$16.24	$20.30	$24.99	$28.61
Electrician	Sioux Falls	540	$22.86	$15.70	$18.99	$23.09	$26.76	$28.99
Electrician	East	560	$20.23	$12.90	$14.93	$19.62	$24.70	$28.66

Source: http://dlr.sd.gov/lmic/menu_occupational_wages.aspx

Data from the National Department of Labor positions the 2012 Median annual wage at $49,840.00 with a range from $30,420.00 to $82,930.00 for the 10th to 90th percentile. The mean annual wage for 2012 was $53,030.00. See Table Below:

National Department of Labor Data					
Position	**Employees 2012**	**2012 10th Percentile**	**2012 50th Percentile**	**2012 90th Percentile**	**20112 Mean**
Electrician Hourly Wage	519,850	$14.63	$23.96	$39.87	$25.50
Electrician Annual Wage	519,850	$30,420.00	$49,840.00	$82,930.00	$53,030.00

Source: http://www.bls.gov/oes/current/oes472111.htm

CIP Code

Electrician: 46.0302 A program that prepares individuals to apply technical knowledge and skills to install, operate, maintain, and repair electric apparatus and systems such as residential, commercial, and industrial electric-power wiring; and DC and AC motors, controls, and electrical distribution panels. Includes instruction in the principles of electronics and electrical systems, wiring, power transmission,

safety, industrial and household appliances, job estimation, electrical testing and inspection, and applicable codes and standards.

Appendix A – SD and US Dept of Labor Information

South Dakota Department of Labor Data

South Dakota Occupational Employment Projections 2010 - 2020						
SOC* Code	**Occupational Title**	**2010 Workers**	**2020 Workers**	**Numeric Change**	**Percent Change**	**Average Annual Demand for Workers**
000000	**Total, All Occupations**	**462,975**	**504,970**	**41,995**	**9.1%**	**15,662**
47-2111	Electricians	1,745	1,940	195	11.2%	66

Source: http://dlr.sd.gov/lmic/occupation_projections.aspx

South Dakota Occupational Wage Estimates
Wages Updated to Quarter Ending September 2013

					Percentile				
Area	SOCCode	Occupation	Workers	AvgWage	10th	25th	50th	75th	90th
Statewide	47-2111	Electricians	1,660	$20.89	$13.64	$16.24	$20.30	$24.99	$28.61
East	47-2111	Electricians	560	$20.23	$12.90	$14.93	$19.62	$24.70	$28.66
Sioux Falls MSA	47-2111	Electricians	540	$22.86	$15.70	$18.99	$23.09	$26.76	$28.99

Source: http://dlr.sd.gov/lmic/menu_occupational_wages.aspx

Occupational Employment and Wages, May 2012

47-2111 Electricians

Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems. Excludes "Security and Fire Alarm Systems Installers" (49-2098).

Source: http://www.bls.gov/oes/current/oes472111.htm

National estimates for this occupation: Top

Employment estimate and mean wage estimates for this occupation:

Employment (1)	Employment RSE (3)	Mean hourly wage	Mean annual wage (2)	Wage RSE (3)
519,850	0.8 %	$25.50	$53,030	0.5 %

Percentile wage estimates for this occupation:

Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	$14.63	$18.13	$23.96	$31.48	$39.87
Annual Wage (2)	$30,420	$37,720	$49,840	$65,470	$82,930

Industry profile for this occupation: Top

Industries with the highest published employment and wages for this occupation are provided.

Industries with the highest levels of employment in this occupation:

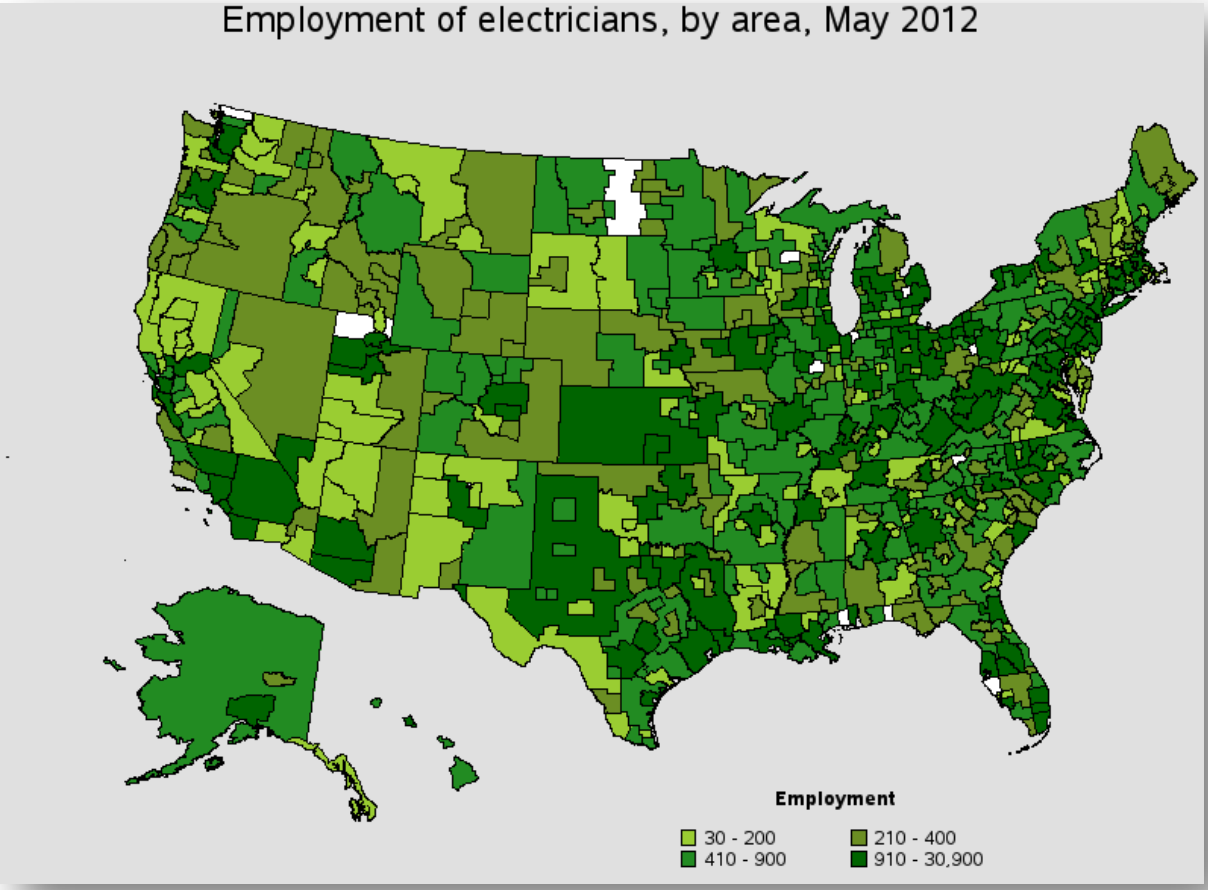
Industry	Employment(1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
Building Equipment Contractors	361,400	21.73	$25.30	$52,630
Local Government (OES Designation)	14,840	0.27	$28.45	$59,170
Employment Services	10,490	0.34	$21.44	$44,600
Nonresidential Building Construction	7,860	1.20	$25.13	$52,270
Utility System Construction	7,550	1.80	$25.16	$52,320

Industries with the highest concentration of employment in this occupation:

Industry	Employment(1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
Building Equipment Contractors	361,400	21.73	$25.30	$52,630
Coal Mining	4,160	4.76	$27.56	$57,330
Ship and Boat Building	5,190	4.12	$23.13	$48,100
Metal Ore Mining	1,280	3.02	$27.99	$58,220
Iron and Steel Mills and Ferroalloy Manufacturing	2,270	2.43	$25.22	$52,450

Top paying industries for this occupation:

Industry	Employment(1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
Business Schools and Computer and Management Training	50	0.07	$39.33	$81,800
Natural Gas Distribution	620	0.58	$36.26	$75,430
Accounting, Tax Preparation, Bookkeeping, and Payroll Services	1,680	0.19	$35.20	$73,210
Lessors of Real Estate	600	0.11	$34.59	$71,950
Remediation and Other Waste Management Services	210	0.16	$34.16	$71,060


Employment of electricians, by area, May 2012
Employment
30 - 200
210 - 400
410 - 900
910 - 30,900

Appendix B – Program Course List and Semester Layout

Semester Layout

Semester	Course Title	Credits	Lec/Lab
First			
SSS 100	Student Success Seminar	2	2/0
ELCN 101	Fundamentals of Electricity	3	3/0
ELCN 101L	Fundamentals of Electricity Lab	3	0/6
MATH 101	Intermediate Algebra	4	4/0
ENGL 101	Composition	3	3/0
ELCN 122	Blueprints and Schematics I	3	2/2
		18	
Second			
ELCN 154	Wiring Essentials I	3	3/0
ELCN 154L	Wiring Essentials I Lab	4	0/8
ELCN 162	Blueprints and Schematics II	3	3/0
ELCN 173	Electrical Construction	2	1/2
CIS 101	Computer Essentials	2	1/2
ELCN 181	Fundamentals of Power	3	3/0
		17	
Third			
ELCN 254	Wiring Essentials II	2	2/0
ELCN 254L	Wiring Essentials II Lab	3	0/6
SOC 150	Social Problems	3	3/0
ELCN 201	Fundamentals of Controls	4	4/0
ELCN 201L	Fundamentals of Controls Lab	3	0/6
ELCN 259	PLC Essentials I	3	2/2
		18	
Fourth			
ELCN 279	PLC Essentials II	3	1/4
ELCN 281	Inductive Circuits	3	2/2
ELCN 285	Electrical and Industrial Safety	1	1/0
ELCN 294	Wiring Essentials III	1	1/0
ELCN 294L	Wiring Essentials III Lab	3	0/6
ELCN 262	Blueprint and Schematics III	2	1/2
PSYC 101	General Psychology	3	3/0
SPCM 101	Fundamentals of Speech	3	3/0
		19	
	Total Credits	72	

Program Course List with Descriptions

SSS 100 – Student Success Seminar – 2 Credits

This course provides students with tools and techniques that will help them be successful in their program of study. The course focuses on interactive exercises which will help the learner identify personal strengths, learning styles, and support resources. Reading and study techniques will also be practiced.

MATH 101 – Intermediate Algebra – 4 Credits

This algebra course begins with real numbers, absolute values, exponents, polynomials, and the factoring of trinomials. The first and second-degree equations and applications are studied. Skills in simplifying arithmetic expressions and calculating and solving rational expressions are covered. Exponents, radicals, complex numbers, second-degree equations, graphing, and systems of linear equations will be included. (Prereq: Placement Assessment)

ENGL 101 – Composition – 3 Credits

English Composition will help develop proficiency in writing concise, coherent essays, and in using correct English. Several modes of discourse will be explored and good grammar skills are emphasized. This course will improve the student's critical thinking skills as it provides students with practice in all stages of the writing process: planning, supporting, rewriting, analyzing, proofreading, and editing. This course will also requires critical reading and writing. (Prereq: Placement Assessment)

ELCN 101 - Fundamentals of Electricity – 3 Credits

This course will introduce students to the theory of DC and AC electricity including Ohm's law and the principals affecting the transmission of electrical current through conductive media. Electrical safety and safe practices are introduced. Applied mathematics will be used to investigate multi-phase applications of alternating current. (Coreq: ELCN 101L)

ELCN 101L - Fundamentals of Electricity Lab – 3 Credits

This lab provides hands-on experience for concepts introduced in Fundamentals of Electricity. Students will build and test DC and AC circuits gaining experience using electrical equipment. (Coreq: ELCN 101)

ELCN 122 - Blueprints and Schematics I – 3 Credits

This course will introduce students to electrical symbols, conductor types and sizes, connector types and sizes, electrical schematics and the basics of architectural drawing.

ELCN 154 - Wiring Essentials I – 3 Credits

This course will introduce students to the components, concepts and calculations required for the proper installation of wiring systems in residential buildings. National Electrical Code (NEC) standards will be introduced and followed throughout this course. (Coreq: ELCN 154L, Prereq: ELCN 101).

ELCN 154L - Wiring Essentials I Lab – 4 Credits

Students will gain hands-on experience in the installation, connection and testing of residential wiring. Emphasis will be placed on adherence to NEC standards in all wiring projects. (Coreq: ELCN 154)

ELCN 162 – Blueprints and Schematics II – 3 Credits

Students progress into advanced residential blueprints and are introduced to commercial blueprints, schematics, engineering drawings and building plans. (Prereq ELCN 122)

ELCN 173 – Electrical Construction – 2 Credits

Students learn proper practices for wiring wall sections, conduit bending, knots & rigging, service equipment, specialty tools, installing switchboards and panel boards, grounding and bonding.

CIS 101 – Computer Essentials – 2 Credits

This course is designed to enable students with little or no computer experience to acquire a basic understanding of the personal computer. This course involves the study of computer basics such as hardware, operating systems and file management, using the Internet for research, word processing and spreadsheets.

ELCN 181 – Fundamentals of Power – 3 Credits

Students are introduced to the concept of power, power calculations, power budgets and power usage by electrical components and appliances. (Prereq: ELCN 101)

ELCN 254 - Wiring Essentials II – 2 Credits

Using the concepts introduced in Wiring Essentials I, students advance to specialty room wiring, high-voltage wiring and basic commercial wiring. NEC standards are emphasized in all course work. (Prereq: ELCN 154, Coreq: ELCN 254L)

ELCN 254L – Wiring Essentials II Lab – 3 Credits

Students gain hands-on experience in the wiring of specialty room circuits, high voltage circuits and are introduced to commercial wiring. NEC standards are emphasized in all projects. (Coreq: ELCN 254)

SOC 150T – Social Problems – 3 Credits

A sociological analysis of the causes and proposed solutions of contemporary social problems confronting society today. The class promotes student involvement in discussing the subject matter. It is designed to encourage debate and to get students to consider different positions or viewpoints with regard to social issues.

ELCN 201 – Fundamentals of Controls – 4 Credits

Students learn the identification and operation of basic control components and advance to applications using automatic control systems. Relays, contactors, starting circuits, pilot devices and holding circuits are introduced. (Prereq: ELCN 101, Coreq: ELCN 201L)

ELCN 201L – Fundamentals of Controls Lab – 3 Credits

Students will build, operate and test circuits used to control electrical devices, circuits and systems. Emphasis is placed on safe practices and adherence to NEC standards. (Coreq: ELCN 201)

ELCN 259 – PLC Essentials I – 3 Credits

Programmable Logic Control is introduced as a method of controlling electrical components, circuits and systems. Students are introduced to basic PLC programming and system troubleshooting.

ELCN 279 – PLC Essentials II – 3 Credits

Advanced control applications and problems are introduced. Students learn additional programming and troubleshooting concepts and are introduced to various types of digital controllers. (Prereq: ELCN 259)

ELCN 281 – Inductive Circuits – 3 Credits

This course will introduce students to transformers and electric motors. Concepts will be presented for single and multi-phase applications. This class will expand on control fundamentals and provide students with the opportunity for hands on experiences.

ELCN 285 – Electrical and Industrial Safety – 1 Credit

Essential safety practices and OSHA requirements are presented.

ELCN 294 – Wiring Essentials III – 1 Credit

Advanced wiring concepts are introduced including the integration of control systems, alarm systems and commercial installations. (Prereq: ELCN 254, Coreq: ELCN 294L)

ELCN 294L – Wiring Essentials III Lab – 3 Credits

This capstone wiring course allows students to complete complex wiring applications, systems integration and commercial installations. NEC standards are emphasized for all projects. (Prereq: ELCN 254L, Coreq: ELCN 294)

ELCN 262 – Blueprints and Schematics III – 2 Credits

Advanced commercial blueprint and schematic reading concepts are presented. Students are exposed to multi-layer drawings and the integration of electrical, mechanical and construction applications. (Prereq: ELCN 162)

PSYC 101T – General Psychology – 3 Credits

Provides the student with an introduction to the basic psychological processes underlying human behavior. Topics include the functions of the brain and nervous system, the characteristics of sensation, perception and altered states of consciousness, learning and memory, the nature of thinking skills and intelligence, theories of motivation, emotion and personality, a survey of psychological disorders and approached to therapy, social/interpersonal relations, and practical applications.

SPCM 101T – Fundamentals of Speech – 3 Credits

Based on the study of communication theory as applied to public speaking. The goals are to improve the student's public speaking and listening skills. Experiences in the class range from developing speech outlines, researching topics, and practicing delivery techniques for an informative, persuasive, and panel discussion assignment.

Appendix C – Letters of Support

John Morrell – Scott Reed

Marmen Energy – Marie-Emilie Doucet

Lite Electric – Tom Wallner

Electric Supply Co. – Robert Jarding

MARMEN energy

06 December 2013

Dear South Dakota Board of Education:

At Marmen Energy, we enthusiastically support the implementation of an Electrician Education Program at Southeast Technical Institute. This program will benefit our company in that we will have qualified, educated, and local applicants which allows for us to not only retain top tier talent but also to give back to our community. As a growing company, we have a need for individuals with training and education in a variety of electrical industries. To be able to not only train but also retain talent in this field is very exciting to Marmen Energy as we have a vested interest in the growing workforce. We would be pleased to continue our already established relationship with Southeast Technical Institute.

The local economy will benefit from this program as it will allow for advanced training and education which will undoubtedly spur new employment opportunities and economic development. A program such as this will keep applicants in this region and this will create more interest in our local businesses and industries. Furthermore, the course layout and structure will allow graduates to pursue several different career opportunities with Marmen Energy.

Please feel free to contact myself if you have any questions in regards to our interest in this program and Southeast Technical Institute.

Regards,

Marie-Emilie Doucet
Human Resources Manager

MARMEN ENERGY
1820 North Plum Avenue, Brandon, SD 57005, USA
Tel. : (605) 582-4500 Fax : (605) 582-4550
www.marmeninc.com

December 6, 2013

Dakota State Board of Education

Re: Letter of Support
STI Proposed Electrician Program

John Morrell Sioux Falls is a fresh Pork and Packaged Meats Company that has been in business in our community for over 100 years. We employ over 3300 employees and are blessed to be a part of the vibrant city of Sioux Falls. Our maintenance department has over 170 employees, with the large majority of these employees having practical training and applicable knowledge within the electrical field. Over 30 of our employees are journeyperson electricians or have advanced electrical training along with a 2 year related diploma.

Recruiting maintenance technicians with recognized skills and training in the electrical and electronics fields, remains one of our most difficult tasks. These skill sets are critical elements of our overall maintenance reliability program and are increasingly important as we utilize automation and new technologies to improve our business and our products.

John Morrell is supportive of STI's proposed Electrician program and very much welcome the opportunity to employ local, skilled future graduates of this program.

Thank you for your consideration of this program.

Respectfully,

Scott Reed

Scott Reed
Human Resources Director
John Morrell Sioux Falls

Lite Electric

Tom Wallner
605-987-5511

422 S. Blair St.
Canton, SD 57013

December 10th, 2013

South Dakota Board of Education:

I am pleased to offer my full support for Southeast Technical Institute to start an electricial program. As the owner of Lite Electric, I have seen a critical need for more electricians. My business has continued to grow and I have had a very difficult time finding qualified applicants. There is a shortage of electricians in this area and the need will only increase as more electricians retire. Having access to an education for people who cannot move will give more opportunity for them to join this profession.

A skilled workforce is essential to supporting economic development and growth and this program will train and graduate skilled individuals to support economic growth throughout the region. This program will also help to keep applicants in the area to support our businesses and customers. Southeast Technical Institute has a proven track record of supplying skilled graduates in many key industries and they will do an excellent job in helping to train individuals to support our industry.

Lite Electric is supportive of STI's Electrical Program. If you have, any questions please feel free to give me a call at (605) 987-5511.

Sincerely,

Tom Wallner

Tom Wallner,
Lite Electric
Canton, SD

ElectricSUPPLY CO.
ELECTRICAL CONTRACTORS SINCE 1923

105 NORTH FAIRFAX AVENUE P.O. BOX 787 SIOUX FALLS, SD 57101
605/336-1406 FAX 605/336-2297

October 10, 2012

Mr. Jeffrey R. Holcomb, President
Southeast Technical Institute
2320 N. Career Avenue
Sioux Falls, SD 57107

Dear Mr. Holcomb:

It is my pleasure to inform you that Electric Supply Co., Inc. is in support of the development of an Electrician program at Southeast Technical Institute.

Our company employs 50-70 Electricians at any given time, and is always looking for hard working people. We serve the Sioux Falls metropolitan area, as well as extending service up to 250 miles from our home location. Electric Supply first started providing the community with our services in 1923, and our 89 years of experience has proven to us that excellent service begins with exceptional employees.

We are constantly seeking qualified applicants, and have at times found it difficult to find adequate amount of candidates to meet our demand. We pride ourselves on our sense of local community, and in turn desire to employ the talents from our own community, rather than seeking applicants outside of our state and region.

We offer this letter to support, and express interest in setting up internship opportunities for individuals, which would ideally lead to apprenticeship opportunities. We would also provide further help with this program by supplying supplemental information for the program, as well as guest speakers to offer a firsthand view of the profession. It is important for the students to understand the demand that there is for quality workers in the electrical field.

I look forward to further discussion about this matter, and wish you an expedient approval for the development of this program.

Sincerely,

Robert F. Jarding, Vice President