

# Curriculum Vitae



**James D. Andrews**  
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## Education

1998-2005 Weber State University/Utah State University/Southern Utah University Utah  
**Instructional Design and Education-Non-Degree Post Graduate work to complete USOE Professional Educators Level 2 Requirements**

1985-1991 Ogden-Weber Applied Technology College Ogden, Utah  
**Journeyman Electrician Certificate of Completion**

Four year electrical apprenticeship with work-based training provided by Weber County School District

2000-2014 State of Utah DOPL Utah  
**Master Electrician/Electrical Trades Instructor License # 296244-5502 and 296244-1103**

2005-2014 USOE Professional Educators License Utah Utah  
**Career and Technical Education Electrician Endorsement Level 2**

## Professional Experience

**1/2014 to Present Kauai Community College Lihue, Kaua'i Hawaii**  
**Electrical Installation and Maintenance Technology**

- Instruct, design, and facilitate the electrical theory, electrical motor controls and National Electrical Code courses. Also provide courses to Independent electrical apprenticeship along with for State of Hawaii and DCCA, Office of Continuing Education and IBEW 1186 NJATC Program
- Instruct in the residential and commercial electrical program that includes blueprints, motors, industrial mechanical and programmable logic controllers and help students develop troubleshooting skills.
- Provide hands-on skills evaluation in a nine-month semester based environment

**9/1992 to 1/2014 Ogden-Weber Applied Technology College Ogden, Utah**  
**Electrical/Industrial Maintenance/Electronics/Soldering: Instructor/Advisor**

- Instruct, design, and integrate learning management system for electrical/electronic curriculum including soldering, electronic theory, electrical motor controls and instrumentation. Also provide electrical theory and NEC courses to 2<sup>nd</sup> and 3<sup>rd</sup> year electrical apprenticeship training along with NEC Code Update and PLC classes for State of Utah DOPL Continuing Education and OWATC Off-campus Custom-Fit Program
- Instruct in the electro-mechanical maintenance program that includes pneumatics, hydraulics, motors, industrial mechanical and programmable logic controllers and help students develop troubleshooting skills.
- Provide hands-on skills evaluation in a year round open-entry/open-exit competency based environment

**6/1999 to 6/2000 Robertson Electrical Systems****Ogden, Utah***Chief Estimator and Design Build Technician*

- Chief Estimator giving cost estimates for time and materials for electrical projects during the 2002 Winter Olympics Construction phase and providing project management to assigned jobs. Design Build Technician drafting and planning large commercial and industrial projects in Northern Utah

**3/1985 to 9/1995 Weber County School District****Ogden, Utah***Apprentice and Journeyman Electrician*

More than 22,000 hours as an electrician for the maintenance department of Weber County School District providing electrical insulation, maintenance and troubleshooting services to their 48 school buildings.

**Courses****Kaua'i Community College**

Quantity	Course Code	Course Title	Credit Hours
7	ELEC 22	Wiring Materials, Methods and NEC Codes	3 Hours Lecture/Lab
3	ELEC 30	Electrical Installation Theory I	4 Hours Lecture
3	ELEC 32	Electrical Installation Laboratory I	6 Hours Lecture/Lab
3	ELEC 40	Electrical Installation Theory II	4 Hours Lecture
3	ELEC 41	Industrial Motor Controls I	3 Hours Lecture/Lab
3	ELEC 42	Electrical Installation Laboratory II	6 Hours Lecture/Lab
2	ELEC 46	AC-DC Systems and Equipment	6 Hours Lecture/Lab
1 Single 1 Team	ELEC 70	Renewable Energy PV I	3 Hours Lecture/Lab
1	ELEC 75	Renewable Energy Advanced PV	3 Hours Lecture/Lab
2	OCET	Hawaiian Electrical Journeyman	240 Hours
1	OCET	Electrician Math Prep	60 Hours
1	IBEW/NJATC	1A Interior Wireman Apprenticeship	80 Hours
1	IBEW/NJATC	1B Interior Wireman Apprenticeship	80 Hours
1	IBEW/NJATC	2A Interior Wireman Apprenticeship	80 Hours
1	IBEW/NJATC	2B Interior Wireman Apprenticeship	80 Hours

**Courses taught at the Ogden-Weber Tech College**

Course Number	Course Title	Course Hours 30 Hours = 1 Semester	Years Taught	Year Started	Year Ended
IAMT1000	Industrial Safety	30	13	2000	2013
IAMT1200	Automation Maintenance Basics	60	13	2000	2013
IAMT1300	Industrial Mechanics	90	13	2000	2013
IAMT1260	Fluid Power	120	13	2000	2013
IAMT1021	Electrical Systems for IAMT	160	3	2010	2013
IAMT1602	Electrical Motor Controls	150	13	2000	2013
IAMT2000	Programmable Logic Controllers I	90	13	2000	2013
IAMT2910	Automation Final Project	90	13	2000	2013
SOLD1000	Electronic Assembly and Soldering	60	13	2000	2013
IAMT2050	Programmable Logic Controllers II	90	13	2000	2013
IAMT1005	Introduction to Electronics	200	1	2012	2013
SOLD1005	Precision Soldering and Wire Harness	90	1	2012	2013
SOLD1001	IPC J-Standard Certification	40	1	2012	2013
ELEC1019	Electronics Fundamentals for Electronic Technician	160	9	2000	2012

ELEC1109	Semiconductor Devices	200	9	2003	2012
ELEC1131	Digital Fundamentals	160	9	2003	2012
ELEC2810	Electronics Final Project	120	9	2003	2012
ELEC2060	Microcontroller/Microprocessor Programming	120	9	2003	2012
ELEC1900	Skills USA (Electronics)	100	9	2003	2012
ELEC1200	Practical Electronics Troubleshooting	120	9	2003	2012
ELEC2040	Communications Circuits	120	9	2003	2012
IAMT1020	Electronics Fundamentals for IAMT	120	7	2005	2012
ELEC2075	Printed Circuit Board Manufacturing	60	9	2003	2012
ELEC1105	AC/DC Circuits	60	7	2000	2007
IAMT1500	Electric Motors	90	12	2000	2012
ELTT1100	Electrical Orientation	6	4	1995	1999
ELTT1200	Electrical Safety	30	4	1995	1999
ELTT1300	Electrical Equipment	90	4	1995	1999
ELTT1400	Electrical Principles	120	4	1995	1999
ELTT1500	Alternating Current Theory	150	4	1995	1999
ELTT2200	Motor Controls	150	4	1995	1999
ELTT2300	Commercial/Industrial Wiring	210	4	1995	1999
ELTT2400	National Electric Code (NEC) Exam Preparation	120	4	1995	1999
ELTT2100	Residential Wiring	270	4	1995	1999
ELAP 1210	Electrician Apprentice IIA	90	3	2006	2009
ELAP1220	Electrician Apprentice IIB	90	3	2006	2009
ELAP2310	Electrician Apprentice IIIA	90	9	1992	2001
ELAP2320	Electrician Apprentice IIIB	90	9	1992	2001
Cont. Ed.	National Electrical Code Update Class	8	6	1995	2001
Cont. Ed.	PLC Intro for Electricians	8	6	2007	2013

## Service

2017	APRU Process Review Task Force
2015-17	Faculty Senate Trades Representative
2017	Learning Resource "OCR" Faculty Senate Sub Committee
2016-17	UHCC WO Learning Champions Generation XI
2016-17	Student Success Committee
2015-16	Reorganization Committees
2016	DOE Electricity Demonstration at Kilauea Elementary
2016	Kid's College Nuts and Volts of Electricity
2016	Wo Learning Health and Wellness Week
2016	Mission Statement Ad Hoc Committee
2016	Sustainability Designation Ad Hoc Committee

## Professional Activities

	HIS Conference Winward Community College March 7-8, 2014	
Waipa New Employee Retreat March 21-23, 2014	HIS Conference Leeward Community College March 6-7, 2015	Reading Across the Disciplines (RAD) August 12-13, 2014 Workshop
Waipa New Employee Retreat March 18-19, 2016	HIS Conference Kapi'olani Community College March 4-5, 2016	November 14, 2014 Evaluation
	HSSI Leeward Community College March 3-3, 2017	

Fall Leadership Kaua'i  
August 19, 2014 at KCC  
September 28, 2014 at KCC  
October 24, 2014 at Kaua'i Museum  
County Council  
November 14, 2014 at National Tropical  
Botanical Garden

2000: State of Utah DOPL  
**Master Electrician/Electrical Trades  
Instructor**  
License # 296244-5502 and 296244-1103

2007: **President's Outstanding  
Instructor Award**  
Ogden-Weber Applied Technology  
College

2009: NCCER Florida  
Certified NCCER Trainer  
**Electronics Systems Technician and  
Electrical Trades Instructor**

Spring Leadership Kaua'i  
January 29, 2015 at KCC Hawaiian Studies,  
Lo'i Kalo  
February 27, 2014 at Nawiliwili Harbor-  
Hawaiian Studies Canoe  
April 30, 2015 at Kilohana Program Wrap-  
up  
November 14, 2014 at National Tropical  
Botanical Garden

1995-2013: Skills USA Advisor  
Residential Wiring: Silver- State & National  
Industrial Motor Controls: Gold; Silver;  
Bronze- State & National  
Electronics: Gold- State

2002: US Department of Labor Bureau of  
Apprenticeship Training  
**Journeyman Electrician**

2001-2005: Faculty Leadership Team  
Member-Chairman  
2009: Co Chairman of Opening Institute  
Staff and Faculty Training Week

Hazmat Certification 8 Hours August  
20, 2014  
Forklift Certification 16 Hours August  
22-23, 2014  
Hazmat Certification 8 Hours August  
19, 2015  
Hazmat Certification 2 Hours August  
15, 2016  
Hazmat Certification 2 Hours August  
15, 2017

2005: USOE Professional Educators  
License Utah

**Career and Technical Education  
Electrician Endorsement**

2008-2013: NUBOTS  
**Northern Utah Summer Robotics Camp:**  
Lead Instructor for 2 week camp for Jr.  
High Gear-Up students at Ogden City  
School District using Legos Mindstorm

2012: IPC J-STD-001 Colorado  
**CIT Certified IPC Soldering Trainer**  
Certification Number:  
J001-T 18001031