

# ASSESSMENT DAY

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College of Workforce, Continuing and Adult Education  
School of Occupational Apprenticeships  
Electrical - Union Apprentice  
March 11, 2016

# Academic Assessment

	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
<b>Academic Success Committee</b>	Program	<ul style="list-style-type: none"> <li>Quality of assessment practices</li> </ul>	Committee of peers	Years 1 & 2
<b>Instructional Program Review</b>	Program / Cluster	<ul style="list-style-type: none"> <li>Enrollment, retention, completion</li> <li>Industry certifications and job placement</li> <li>Program budget and staffing</li> <li>Advisory committees</li> <li>Curriculum changes</li> </ul>	Committee of peers	Year 3
<b>Assessment Day</b>	Course/ Program	<ul style="list-style-type: none"> <li>Enrollment by demographics</li> <li>Graduation and retention</li> <li>Average class size</li> <li>Course success rate</li> <li>Placement rate</li> <li>SLOs, PLOs and ILOs</li> </ul>	Program Chair and Faculty	Years 1, 2, 3

# Programs

[1072 - Electrical Apprentice - Union](#)

# Courses

[BCA0330](#) Electrical Academy Union  
Apprentice 1

[BCA0331L](#) Electrical Academy Union  
Apprentice 2 Lab-OJT

[BCA0333](#) Electrical Academy Union  
Apprentice 4

[BCA0334L](#) Electrical Academy Union  
Apprentice 5 Lab-OJT

[BCA0336L](#) Electrical Academy Union  
Apprentice 7 Lab-OJT

[BCA0338](#) Electrical Academy Union  
Apprentice 9

[BCA0339L](#) Electrical Academy Union  
Apprentice 10 Lab-OJT

[BCA0391](#) Electrical Academy Union  
Apprentice 12

[BCA0330L](#) Electrical Academy Union  
Apprentice 1 Lab-OJT

[BCA0332](#)

[BCA0333L](#) Electrical Academy Union  
Apprentice 4 Lab-OJT

[BCA0335L](#) Electrical Academy Union  
Apprentice 6 Lab-OJT

[BCA0337](#) Electrical Academy Union  
Apprentice 8

[BCA0338L](#) Electrical Academy Union  
Apprentice 9 Lab-OJT

[BCA0390](#) Electrical Academy Union  
Apprentice 11

[BCA0391L](#) Electrical Academy Union  
Apprentice 12 Lab-OJT

[BCA0331](#) Electrical Academy Union  
Apprentice 2

[BCA0332L](#) Electrical Academy Union  
Apprentice 3 Lab-OJT

[BCA0334](#) Electrical Academy Union  
Apprentice 5

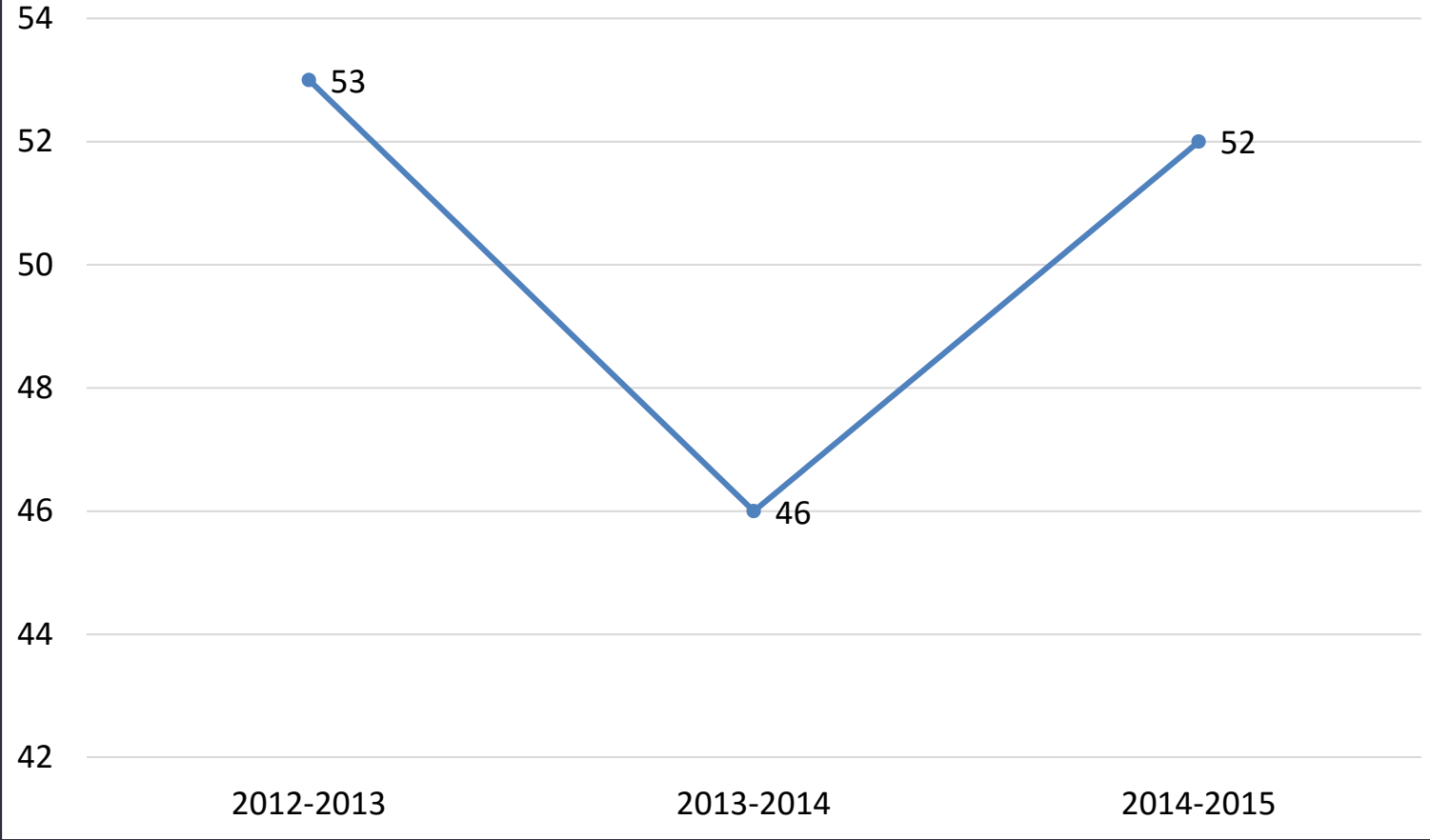
[BCA0336](#) Electrical Academy Union  
Apprentice 7

[BCA0337L](#) Electrical Academy Union  
Apprentice 8 Lab-OJT

[BCA0339](#) Electrical Academy Union  
Apprentice 10

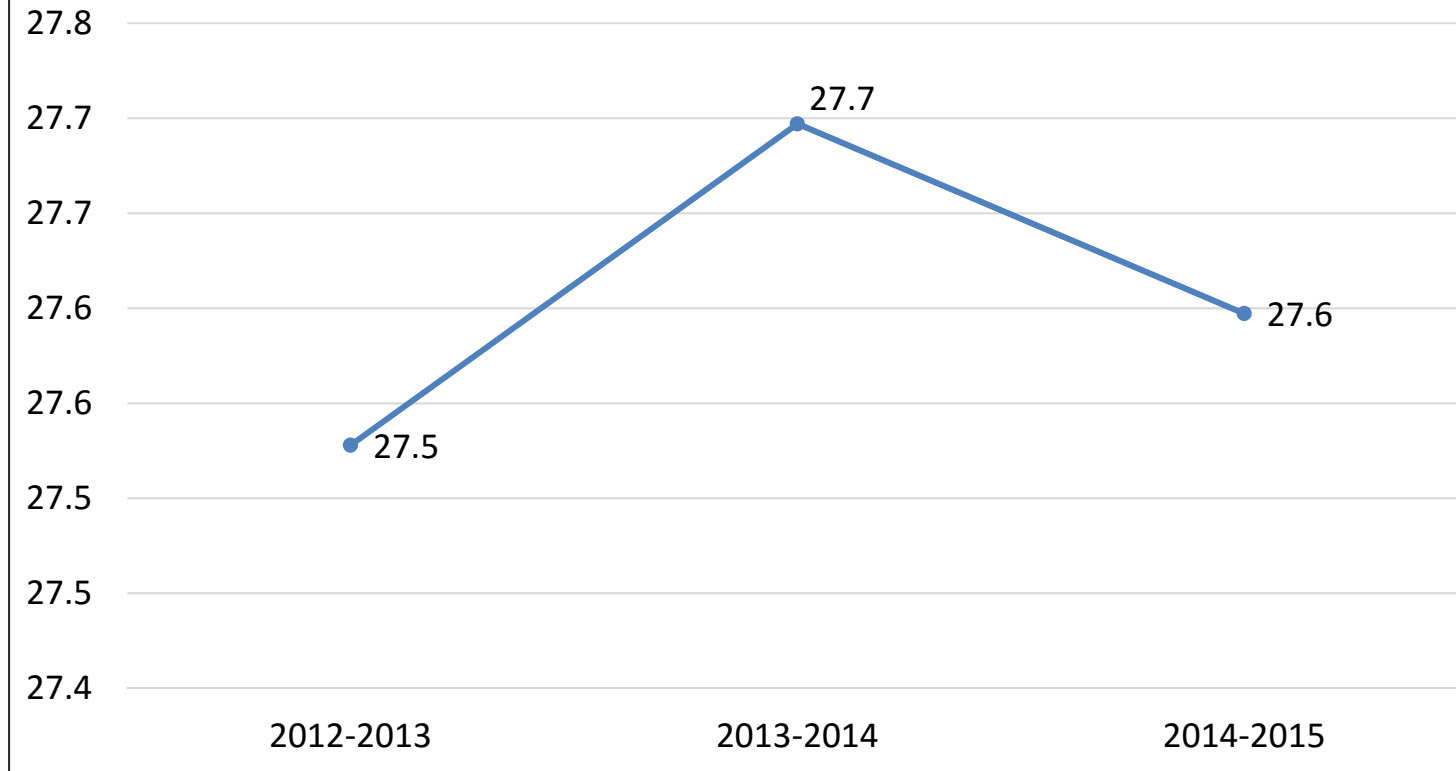
[BCA0390L](#) Electrical Academy Union  
Apprentice 11 Lab-OJT

### Headcount in Major 1072 – Electrical Apprentice - Union



Source: IR Program Assessment Data

### Average Age 1072 – Electrical Apprentice - Union

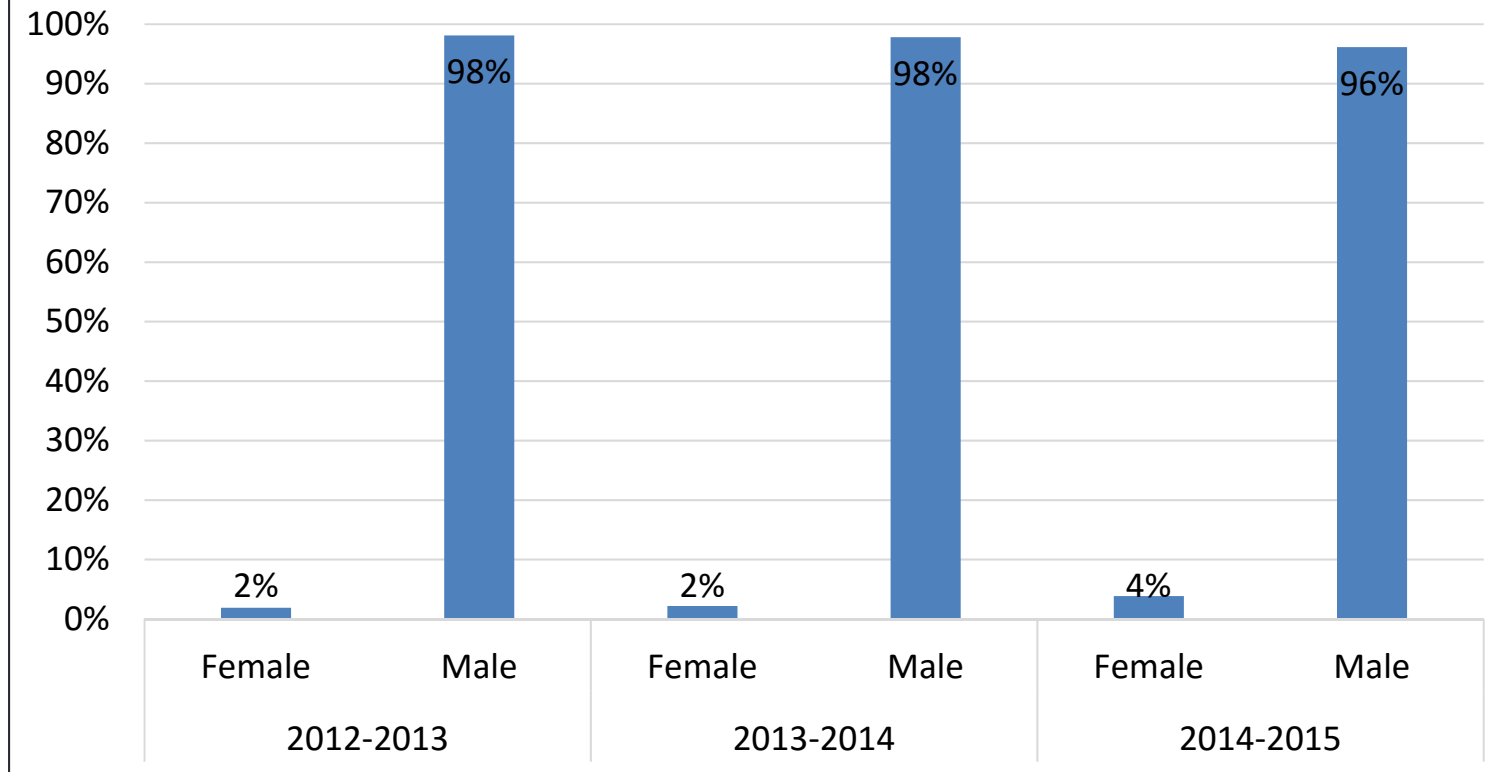


Major	2012-2013	2013-2014	2014-2015
All Programs	31.2	30.4	30.0
Daytona State College	26.7	26.6	26.4

Calculation excludes individuals whose birthdates are not reported.

Source: IR Program Assessment Data

## Gender 1072 – Electrical Apprentice - Union



Major	2012-2013		2013-2014		2014-2015	
	Female	Male	Female	Male	Female	Male
Daytona State College	60%	40%	59%	41%	60%	40%

Excludes individuals whose gender is not reported.

Source: IR Program Assessment Data

## Race / Ethnicity by Program

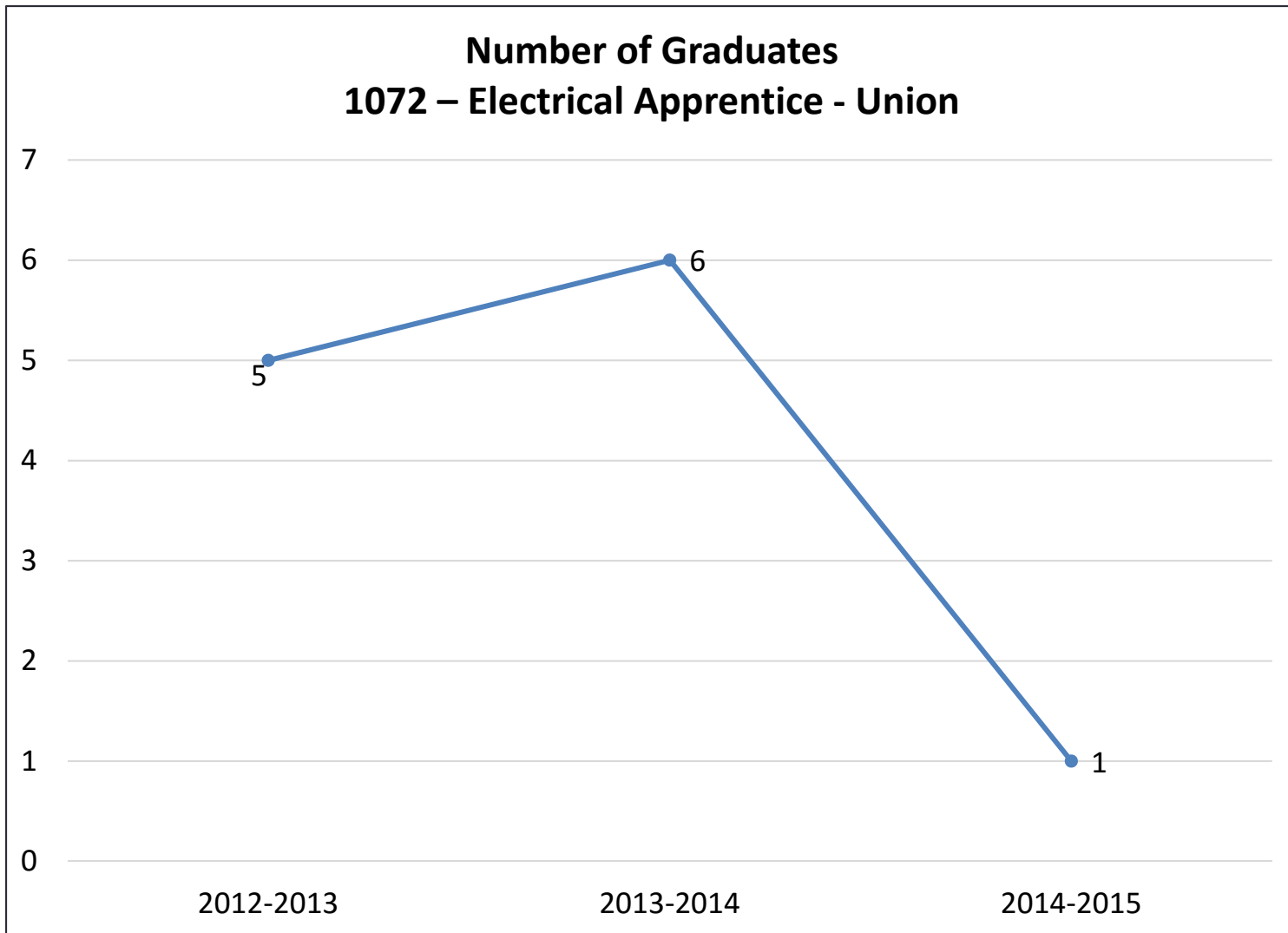
Program		2012-2013		2013-2014		2014-2015		DSC
		#	%	#	%	#	%	
<b>1072 - ELECTRICIAN APPR - UNION</b>	Asian	1	2%	1	2%	2	4%	2%
	Black or African American	6	11%	2	4%	2	4%	14%
	Hispanic	3	6%			5	10%	13%
	Two or More Races					2	4%	2%
	White	42	79%	42	91%	41	79%	67%
<b>All Programs</b>	American Indian / Alaska Native	2	1%	2	1%	1	0.5%	0.5%
	Asian	2	1%	4	2%	3	1%	2%
	Black or African American	26	12%	17	9%	18	9%	14%
	Hispanic	22	10%	23	13%	27	13%	13%
	Native Hawaiian / Pacific Islander	2	1%	2	1%	3	1%	0.2%
	Two or More Races					2	1%	2%
	White	156	74%	128	72%	144	72%	67%

Blank cells or missing years indicate no enrollment.  
Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data



### Number of Graduates 1072 – Electrical Apprentice - Union



Source: IR Program Assessment Data

## Retention Rates

Program and Year		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Total Retained
					N	%	N	%	%
1072 ELECTRICIAN APPR - UNION	2011	37	5	32	0	0%	15	46.88%	46.88%
	2012	38		38	0	0%	20	52.63%	52.63%
	2013	40		40	0	0%	30	75.00%	75.00%

**Less than College average (FT- 60.48%, PT- 52.08%)**

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.

Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.

Not retained - Students who were not registered the following fall term.

Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.

Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

## Average Class Size by Course

Major and Associated Courses		2012-2013		2013-2014		2014-2015	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
<b>1072 - ELECTRICIAN APPR - UNION</b>	<b>BCA0330</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>18</b>	<b>1</b>	<b>17</b>
	<b>BCA0331</b>	<b>1</b>	<b>15</b>	<b>1</b>	<b>13</b>	<b>1</b>	<b>17</b>
	<b>BCA0333</b>	<b>1</b>	<b>11</b>	<b>1</b>	<b>14</b>	<b>1</b>	<b>12</b>
	<b>BCA0334</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>12</b>	<b>1</b>	<b>8</b>
	<b>BCA0336</b>			<b>1</b>	<b>9</b>	<b>1</b>	<b>12</b>
	<b>BCA0337</b>			<b>1</b>	<b>9</b>	<b>1</b>	<b>9</b>
	<b>BCA0338</b>	<b>1</b>	<b>7</b>			<b>1</b>	<b>9</b>
	<b>BCA0339</b>	<b>1</b>	<b>7</b>			<b>1</b>	<b>9</b>
	<b>BCA0390</b>	<b>1</b>	<b>6</b>			<b>1</b>	<b>9</b>
	<b>BCA0391</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>6</b>		
	<b>Total</b>	<b>14</b>	<b>8</b>	<b>13</b>	<b>8</b>	<b>15</b>	<b>9</b>

Blank cells or missing years indicate no enrollment.

To prevent data from skewing, excludes, labs, clinicals, private/performance, open lab, co-op, DIS, and internships.

Source: IR Program Assessment Data

## Course Success Rates


Major and Associated Courses		2012-2013		2013-2014		2014-2015	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1072 - ELECTRICIAN APPR - UNION	BCA0330	20	70%	18	78%	17	94%
	BCA0330L	20	70%	18	72%	17	94%
	BCA0331	15	87%	13	85%	17	82%
	BCA0331L	15	87%	13	85%	16	75%
	BCA0332L	13	92%	13	100%	12	92%
	BCA0333	11	82%	14	71%	12	67%
	BCA0333L	11	82%	14	86%	12	67%
	BCA0334	9	100%	12	83%	8	88%
	BCA0334L	9	100%	12	83%	8	88%
	BCA0335L			9	100%	10	100%
	BCA0336			9	100%	12	75%
	BCA0336L			9	100%	12	75%
	BCA0337			9	100%	9	100%
	BCA0337L			9	100%	9	100%
	BCA0338	7	86%			9	100%
	BCA0338L	7	86%			9	100%
	BCA0339	7	100%			9	100%
	BCA0339L	7	100%			9	100%
	BCA0390	6	100%			9	100%
	BCA0390L	6	100%			9	100%
BCA0391	9	89%	6	100%			
BCA0391L	9	89%	6	100%			
<b>Major Total</b>		<b>309</b>	<b>87%</b>	<b>302</b>	<b>88%</b>	<b>363</b>	<b>88%</b>

■ Indicates more than 5% decrease from prior year or less than 70% success rate.  
Years are reporting years, SU through SP.

Source: IR Program Assessment Data

## Course Success Rates in the Major by Instructional Method

Major and Instructional Method		2012-2013		2013-2014		2014-2015	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1072 - ELECTRICIA N APPR - UNION	Lecture	112	84%	109	86%	141	86%
	OJT	197	88%	193	89%	222	90%
	Major Total	309	87%	302	88%	363	88%

 Indicates more than 5% difference between campuses.  
Includes all courses, sections, IM's; lectures, labs, etc.

Source: IR Program Assessment Data

## Placement Rates

Placement Rates								
		2010/11		2011/12		2012/13		Average Annual Salary
Program Title	Major(s)	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
ELECTRICIAN	1071, 1072	60%	88%	87%	90%	73%	91%	\$ 31,916

**Notes:**

Graduates in cohort year are tracked in the following year and reported 1 year later.

All continuing education outcomes are based on enrollment data for the fall semester and preliminary winter/spring semester.

All employment outcomes are based on the October - December quarterly data each year.

Individuals are only counted in one educational sector.

Full quarter earnings displayed only when 10 or more graduates are employed full time/full quarter.

Source: IR Program Assessment Data

# Electrical Apprentice - Union #1072

## Program Learning Outcomes

Graduates of the program will be able to:

**PLO 1**: Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code.

**PLO 2**: Identify and use different tools, equipment, materials and electrical products used in the trade.

**PLO 3**: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.

**PLO 4**: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

**PLO 5**: Demonstrate the ability to plan and initiate projects related to the field.

# Electrical Apprentice - Union #1072

## Program Learning Outcomes

### Curriculum Mapping

<b>PLOs vs. ILOs</b>	<b>Critical Thinking</b>	<b>Communication</b>	<b>Cultural Literacy</b>	<b>Information and Technical Literacy</b>
<b><u>PLO 1:</u> Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code</b>				
<b><u>PLO 2:</u> Identify and use different tools, equipment, materials and electrical products used in the trade</b>				
<b><u>PLO 3:</u> Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety</b>				
<b><u>PLO 4:</u> Demonstrate knowledge and skill in the residential, commercial and industrial markets</b>				
<b><u>PLO 5:</u> Demonstrate the ability to plan and initiate projects related to the field</b>				



# Electrical Apprentice - Union #1072 Program Learning Outcomes

## Curriculum Mapping

<b>PLOs vs. CLOs</b>	<a href="#">BCA0330</a>	<a href="#">BCA0330L</a>	<a href="#">BCA0331</a>	<a href="#">BCA0331L</a>	<a href="#">BCA0332L</a>	<a href="#">BCA0333</a>	<a href="#">BCA0333L</a>	<a href="#">BCA0334</a>	<a href="#">BCA0334L</a>	<a href="#">BCA0335L</a>	<a href="#">BCA0336</a>	<a href="#">BCA0336L</a>	<a href="#">BCA0337</a>	<a href="#">BCA0337L</a>	<a href="#">BCA0338</a>	<a href="#">BCA0338L</a>	<a href="#">BCA0339</a>	<a href="#">BCA0339L</a>	<a href="#">BCA0390</a>	<a href="#">BCA0390L</a>	<a href="#">BCA0391</a>	<a href="#">BCA0391L</a>
<b><u>PLO 1</u></b>	IN		RE			MA																
<b><u>PLO 2</u></b>																						
<b><u>PLO 3</u></b>																						
<b><u>PLO 4</u></b>																						
<b><u>PLO 5</u></b>																						

*IN: Introduce the PLO; RE: Reinforce the PLO; MA: Master the PLO*



## Assessment Data

### Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and technical Literacy	
	13/14	14/15	13/14	14/15	13/14	14/15	13/14	14/15
1072 - ELECTRICIAN APPR - UNION	87%	NR	100%	NR	NR	NR	90%	NR

*NR: No Report*