

ASSESSMENT DAY

College of Workforce, Continuing and Adult Education
School of Occupational Apprenticeships
Electrical Apprentice - Union
February 7, 2018

Strengths

Challenges

Recommendations

Academic Assessment

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

Programs

[1072 - Electrical Apprentice - Union](#)

Action Items from Last Assessment Day

Last Assessment Day: 4/4/2017

1. Working with Perkins to create a model for orientation;
2. Advisor on the Go to have present at night (ATC);
3. Provide information to advisors and recruiters to increase understanding and improve perception of the apprenticeship programs (contact Ken Matthews to see if it can be done in a cross-training session);
4. Parent nights' initiative, which is to educate parents on the apprenticeship programs;
5. Set one or two days per month to meet with prospective students

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.

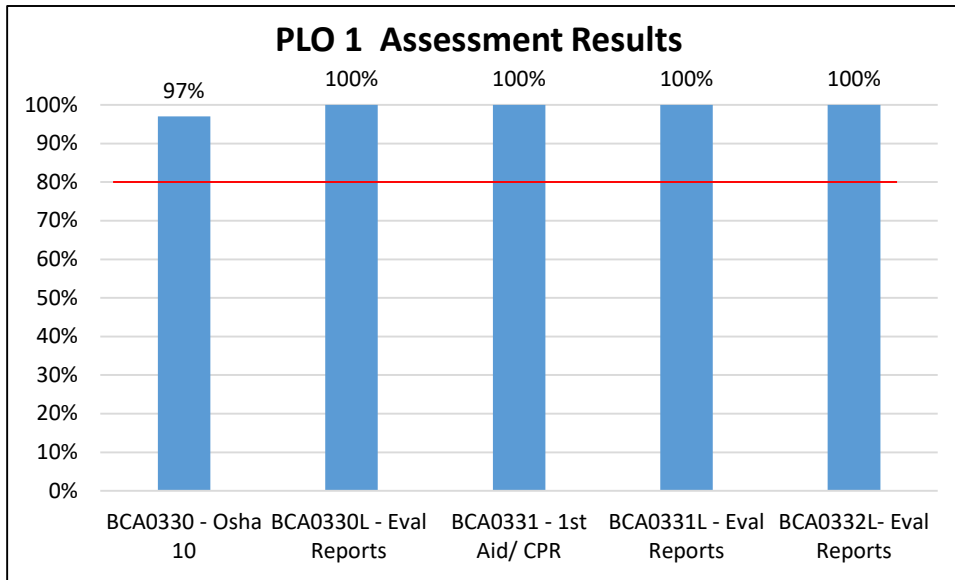
PLO 2: Identify and use different tools, equipment, materials and electrical products used in the trade.

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.

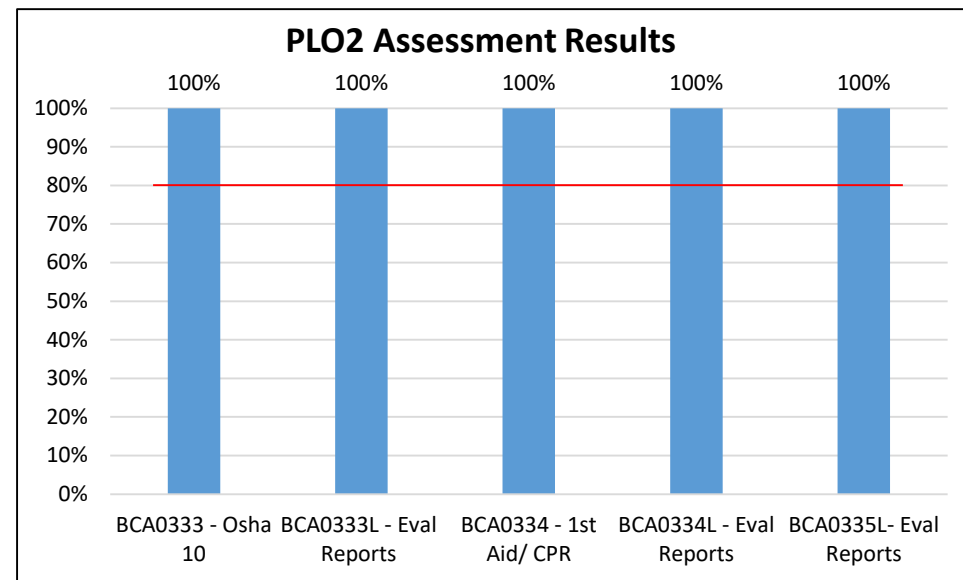
PLO 5: Demonstrate the ability to plan and initiate projects related to the field.

Assessment Results 2016-2017



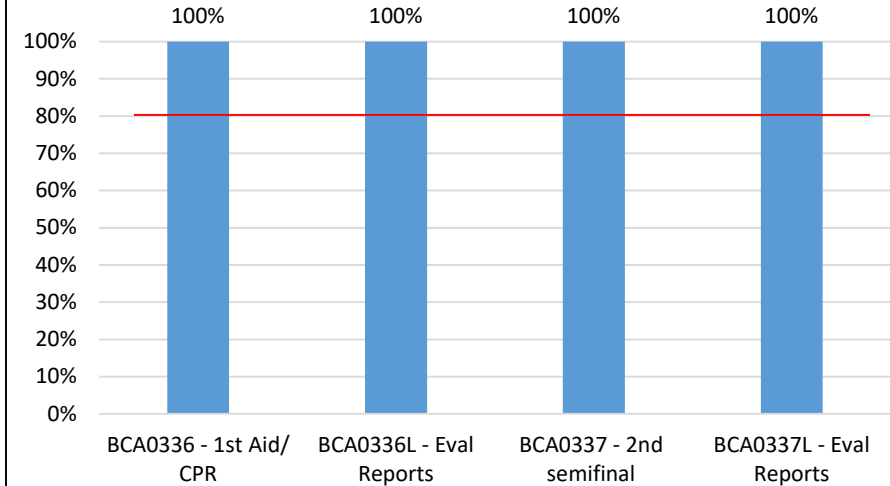
PLO1: Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

PLO2: Identify and use different tools, equipment, materials and electrical products used in the trade. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*



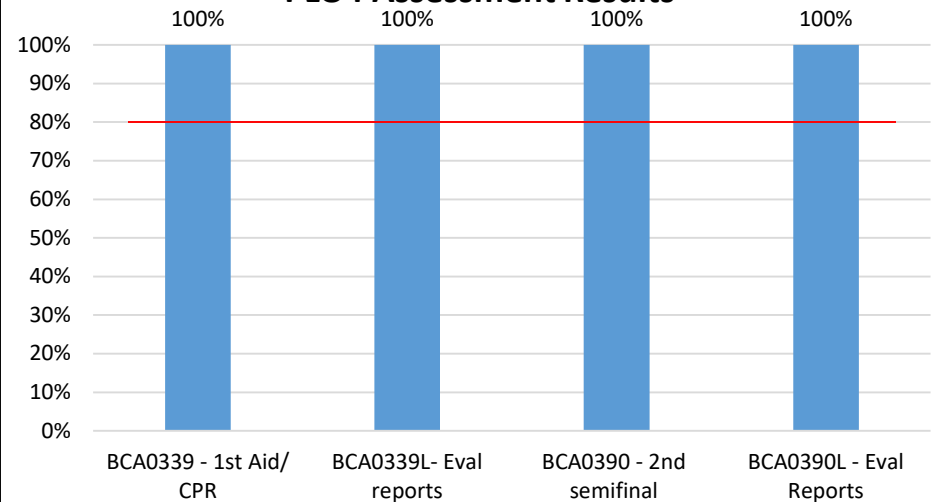
Assessment Results 2016-2017

PLO3 Assessment Results



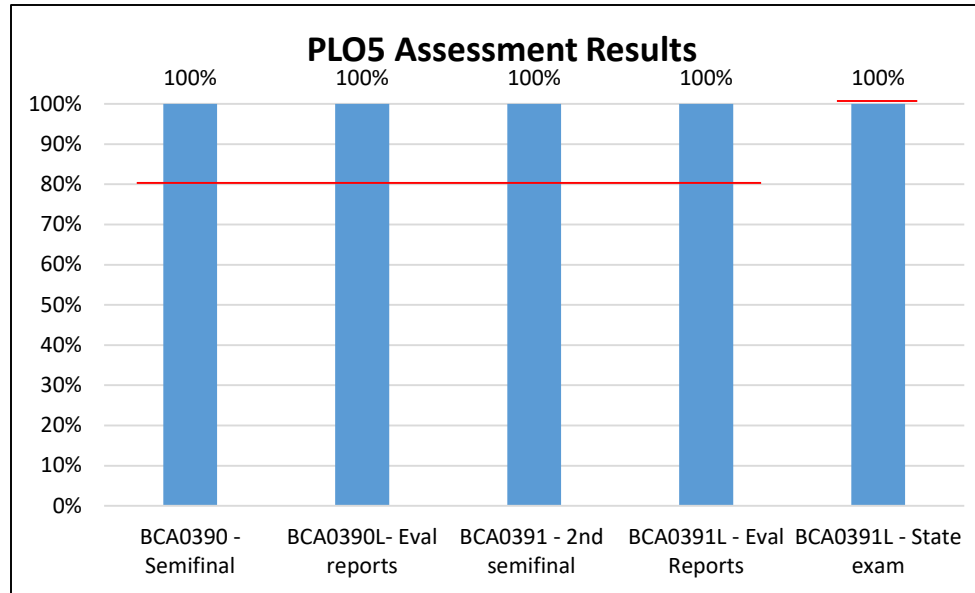
PLO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

PLO4 Assessment Results



PLO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

Assessment Results 2016-2017



PLO5: Demonstrate the ability to plan and initiate projects related to the field.

Target: 80% of student will achieve 75% or higher – Semifinal Osha 10

80% of students will achieve 75% or higher in Eval reports

All students will have an up to date 1st Aid, CPR, and AED card. All students will have a Journeyman License

Assessment Data

Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	15/16	16/17	15/16	16/17	15/16	16/17	15/16	16/17
1072 - ELECTRICIAN APPR - UNION	78%- 100%	100%	78%-100%	100%	78%- 100%	100%	78%-100%	100%

Course Success Rates

Major and Associated Courses		2013-2014		2014-2015		2015-2016		2016-2017	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1072 - ELECTRICIAN APPR - UNION	BCA0330	18	78%	17	94%	18	67%	39	87%
	BCA0330L	18	72%	17	94%	18	83%	34	85%
	BCA0331	13	85%	17	82%	15	73%	39	79%
	BCA0331L	13	85%	16	75%	15	73%	39	82%
	BCA0332L	13	100%	12	92%	15	87%	13	77%
	BCA0333	14	71%	12	67%	15	87%	11	82%
	BCA0333L	14	86%	12	67%	15	93%	16	88%
	BCA0334	12	83%	8	88%	13	100%	11	82%
	BCA0334L	12	83%	8	88%	13	100%	11	55%
	BCA0335L	9	100%	10	100%	7	71%	13	85%
	BCA0336	9	100%	12	75%	5	80%	11	91%
	BCA0336L	9	100%	12	75%	5	80%	11	100%
	BCA0337	9	100%	9	100%	4	100%	11	91%
	BCA0337L	9	100%	9	100%	4	100%	11	91%
	BCA0338			9	100%	9	100%	4	100%
	BCA0338L			9	100%	9	100%	5	80%
	BCA0339			9	100%	9	100%	4	100%
	BCA0339L			9	100%	9	100%	4	100%
	BCA0390			9	100%	9	78%	4	100%
	BCA0390L			9	100%	9	78%	4	100%
BCA0391	6	100%			9	100%	7	100%	
BCA0391L	6	100%			9	100%	7	100%	
Major Total		302	88%	363	88%	265	88%	309	85%

Indicates a success rate of 90% or higher

Indicates a success rate between 70% and 89%

Indicates a success rate below 70%

Course Success Rates in the Major by Instructional Method

Major and Instructional Method		2013-2014		2014-2015		2015-2016		2016-2017	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1072 - ELECTRICI AN APPR - UNION	Lab							38	84%
	Lecture	109	86%	141	86%	106	86%	141	87%
	OJT	193	89%	222	90%	159	89%	130	85%
	Major Total	302	88%	363	88%	265	88%	309	85%

■ Indicates a success rate of 90% or higher
■ Indicates a success rate between 70% and 89%
■ Indicates a success rate below 70%

Source: IR Program Assessment Data

Grade Distribution (1 of 2)

Major and Associated Courses		2016-2017 (SU16, FA16, SP17)						
		Pass (A, B, C)	Fail (D, F)	FNs	Ws	W1s	Incs	
1072 - ELECTRICIAN APPR - UNION	BCA0332L	10	0	2	1	0	0	
	BCA0335L	11	0	0	2	0	0	
	Summer 2016	BCA0338	4	0	0	0	0	0
	BCA0338L	4	0	0	0	0	0	
	BCA0391	7	0	0	0	0	0	
	BCA0391L	7	0	0	0	0	0	
	Summer 2016 Total	43	0	2	3	0	0	
	Fall 2016	BCA0330	34	5	0	0	0	0
	BCA0330L	29	5	0	0	0	0	
	BCA0333	9	2	0	0	0	0	
	BCA0333L	14	2	0	0	0	0	
	BCA0336	10	1	0	0	0	0	
	BCA0336L	11	0	0	0	0	0	
	BCA0339	4	0	0	0	0	0	
	BCA0339L	4	0	0	0	0	0	
	Fall 2016 Total	115 (88.5%)	15 (11.5%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	

Grade Distribution (2 of 2)

Major and Associated Courses			2016-2017 (SU16, FA16, SP17)					
			Pass (A, B, C)	Fail (D, F)	FNs	Ws	W1s	Incs
1072 - ELECTRICIAN APPR - UNION	Spring 2017	BCA0331	31	4	2	2	0	0
		BCA0331L	32	1	4	2	0	0
		BCA0334	9	2	0	0	0	0
		BCA0334L	6	3	2	0	0	0
		BCA0337	10	1	0	0	0	0
		BCA0337L	10	0	1	0	0	0
		BCA0390	4	0	0	0	0	0
		BCA0390L	4	0	0	0	0	0
	Spring 2017 Total		106 (81.5%)	11 (8.5%)	9 (6.9%)	4 (3.1%)	0 (0%)	0 (0%)
Grand Total			264 (85.7%)	26 (8.4%)	11 (3.6%)	7 (2.3%)	0 (0%)	0 (0%)

Average Class Size by Course

Major and Associated Courses		2013-2014		2014-2015		2015-2016		2016-2017	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
1072 - ELECTRICIAN APPR - UNION	BCA0330	1	18	1	17	1	18	2	20
	BCA0331	1	13	1	17	1	15	2	20
	BCA0333	1	14	1	12	1	15	1	11
	BCA0334	1	12	1	8	1	13	1	11
	BCA0336	1	9	1	12	1	5	1	11
	BCA0337	1	9	1	9	1	4	1	11
	BCA0338			1	9	1	9	1	4
	BCA0339			1	9	1	9	1	4
	BCA0390			1	9	1	9	1	4
	BCA0391	1	6			1	9	1	7
	Total	13	8	15	9	10	11	12	12

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

Performance Funding - 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	0	38	0	0%	20	52.63%	52.63%
	2013	40	0	40	0	0%	30	75.00%	75.00%
	2014	49	9	40	1	2.50%	27	67.50%	70.00%
	2015	48	7	41	1	2.43%	27	65.85%	68.28%

College average (64.4%)

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

2016-2017 Retention Rates by Race/Ethnicity

Major	Fall Term	Registered	Exclusions	Adjusted Cohort	Retained by Program	
					N	%
1072 ELECTRICIAN APPR - UNION	Black	1	0	1	0	0%
	Hispanic	6	0	6*	3	50%
	Two or More Races	2	0	2	2	100%
	White	39	7	32	22	69%

**one student was retained by DSC*

College average (African American: 48.1%, Hispanic: 62.1%)

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.

Adjusted Cohort - Registered students less exclusions.

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

Performance Funding - Placement Rates (College average: 94.5%)

Program	Major	2010/11		2011/12		2012/13		2013/14		2014/15		Average Annual Salary
		DSC %	FCS %	DSC %	FCS %	DSC %	FCS%	DSC%	FCS %	DSC %	FCS %	
ELECTRICIAN	1071, 1072	60%	88%	87%	90%	73%	91%	89%	80%	50%	81%	\$**, ***

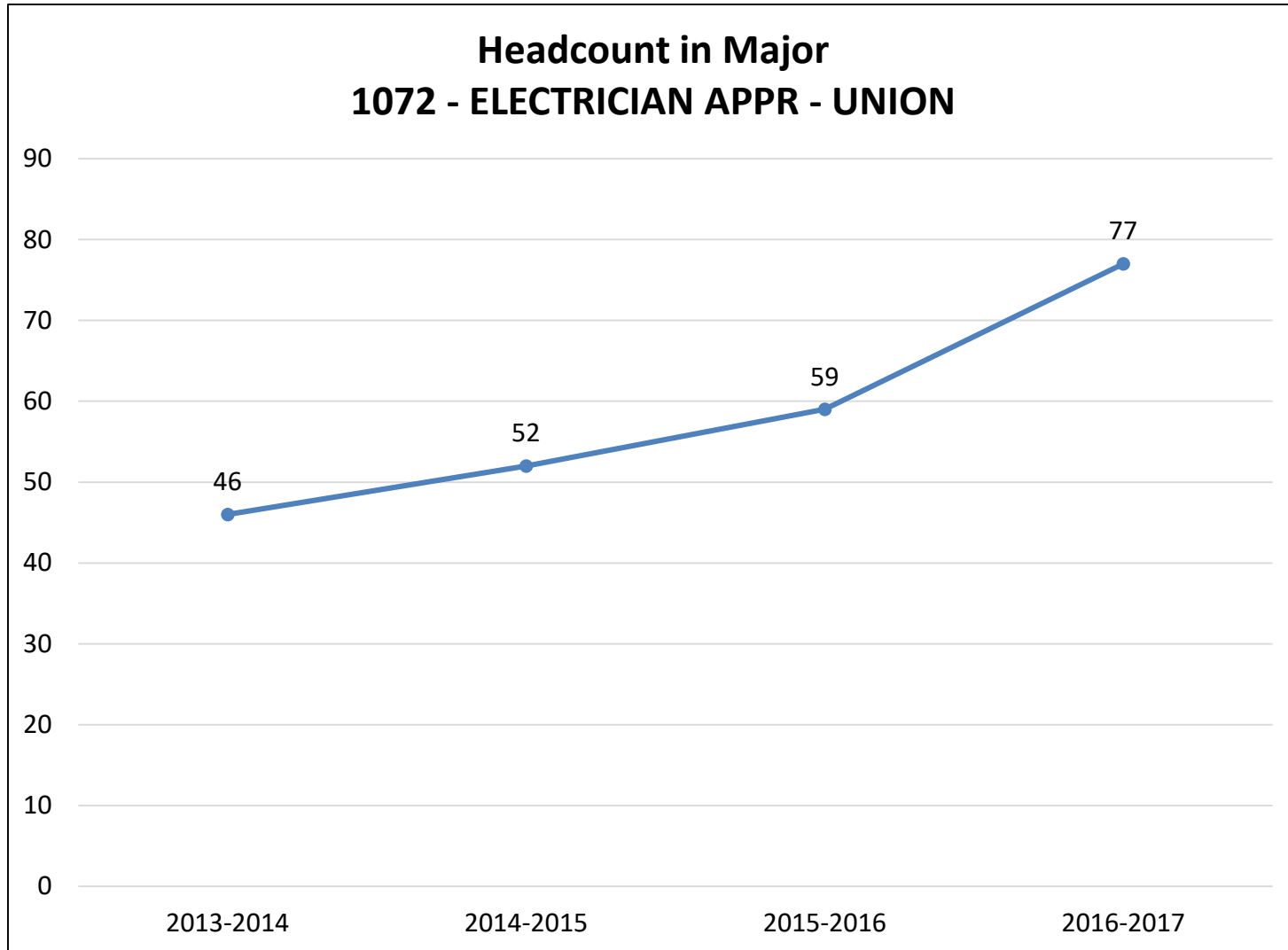
■ Indicates the College average above the State Averages
■ Indicates the College average same as the State Averages
■ Indicates the College average below the State Averages

*Currently Inactive Program

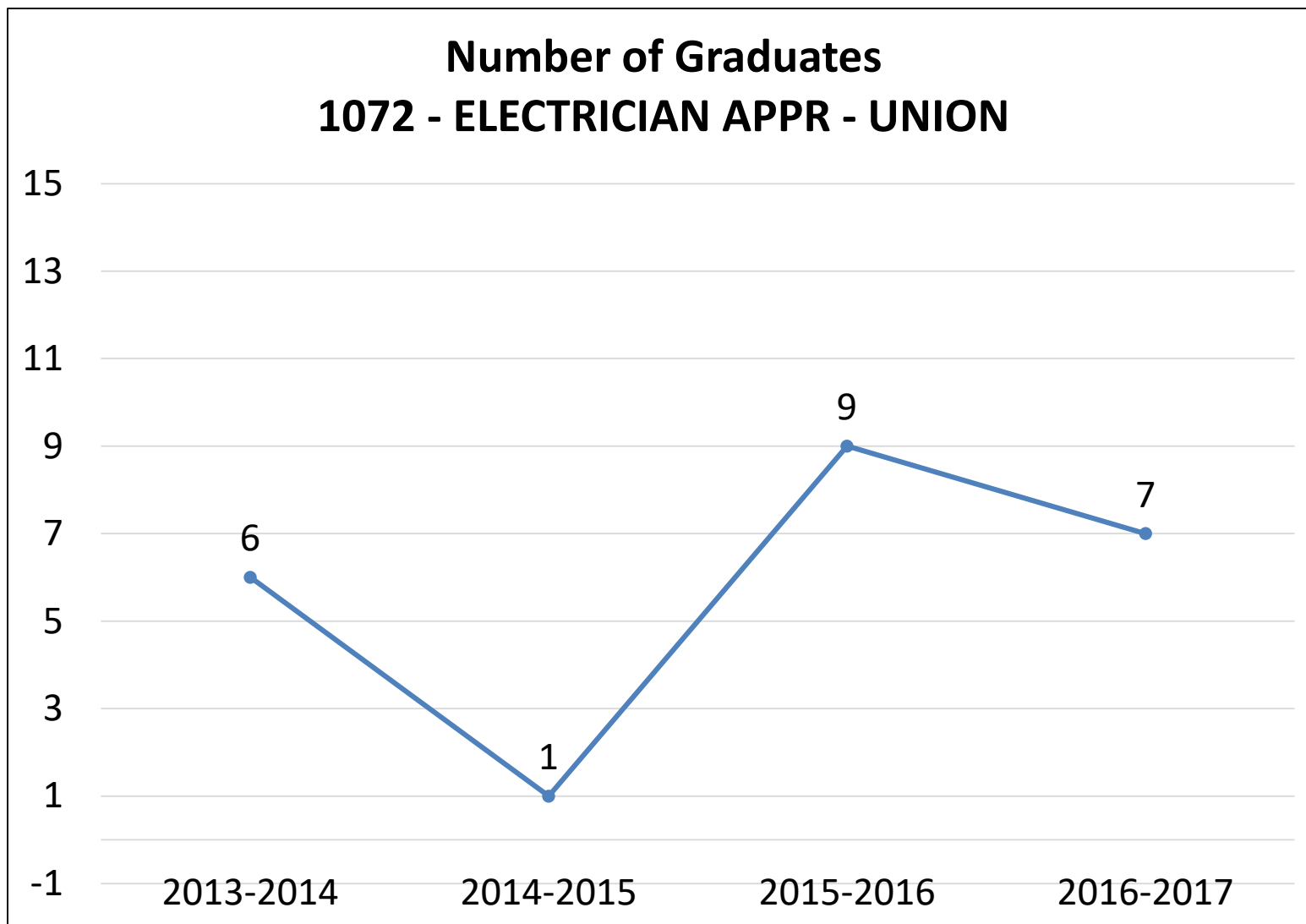
N/A - No placement data for the program.

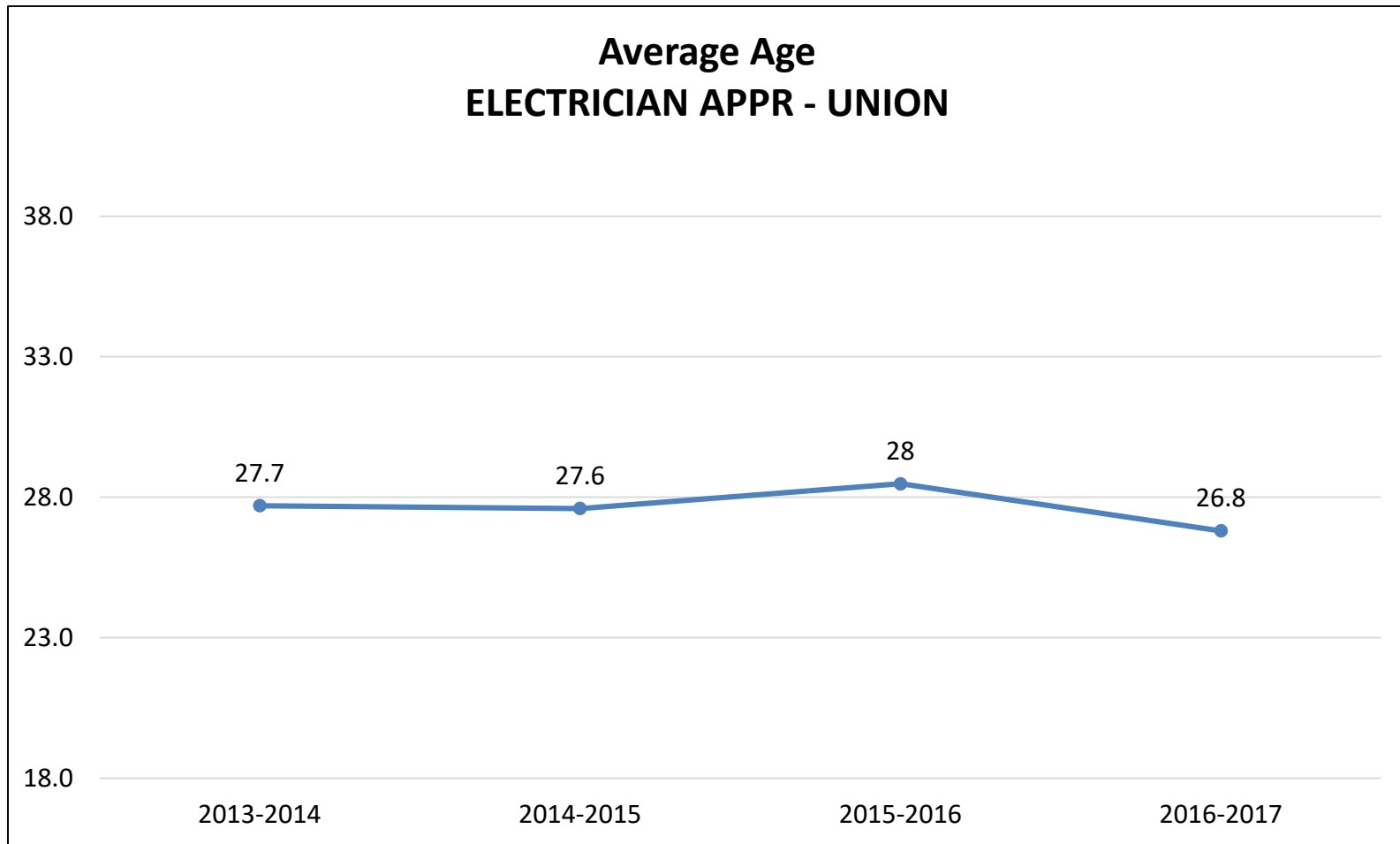
\$**, *** Less than 10 graduates found employed.

Source: IR Program Assessment Data



College Enrollment Decreased: 3%(13/14); 0.73%(14/15); 1.14% (15/16); 5.5%(16/17)

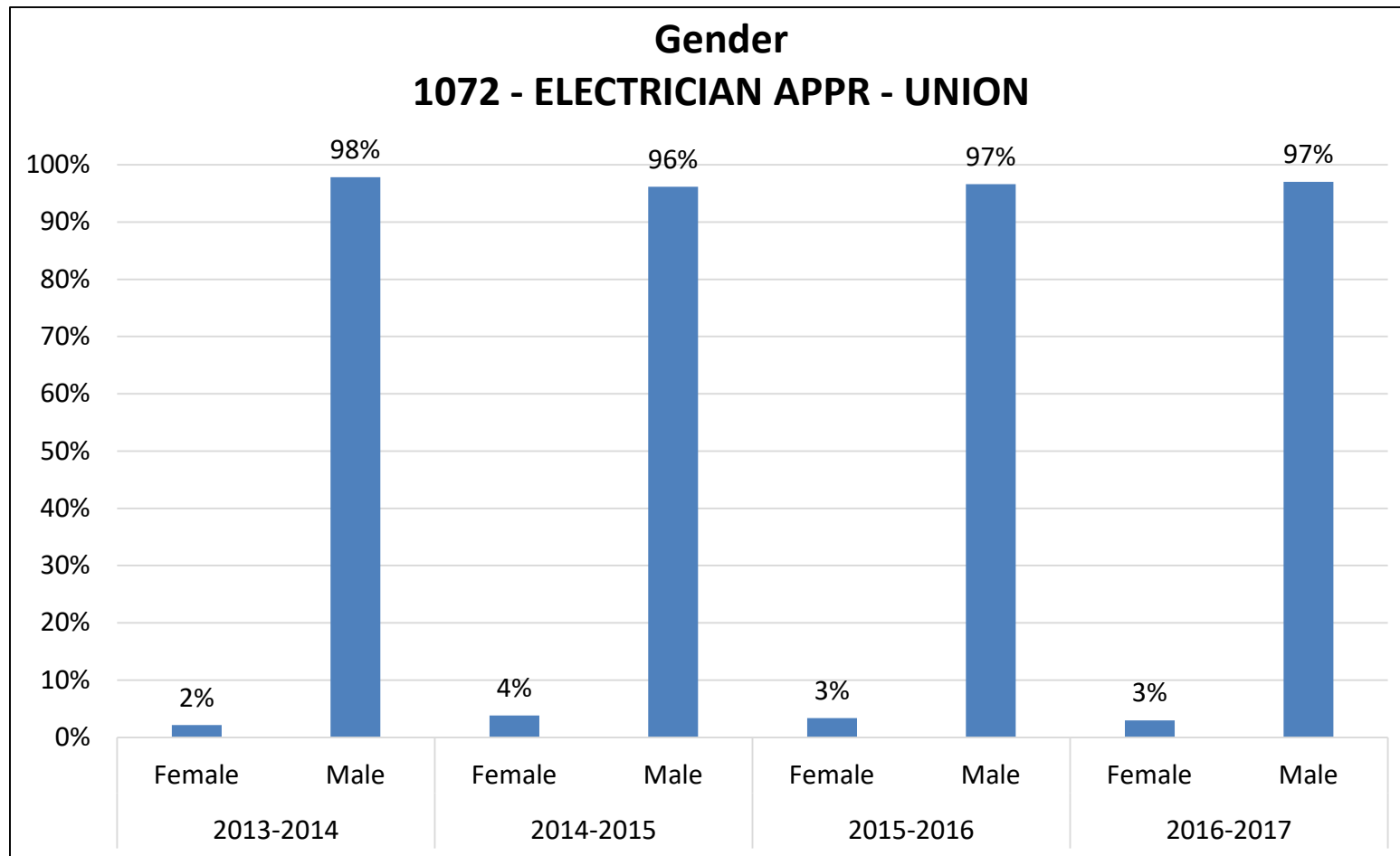




	2013-2014	2014-2015	2015-2016	2016-2017
Daytona State College	26.6	26.4	26	27

Calculation excludes individuals whose birthdates are not reported.

Source: IR Program Assessment Data

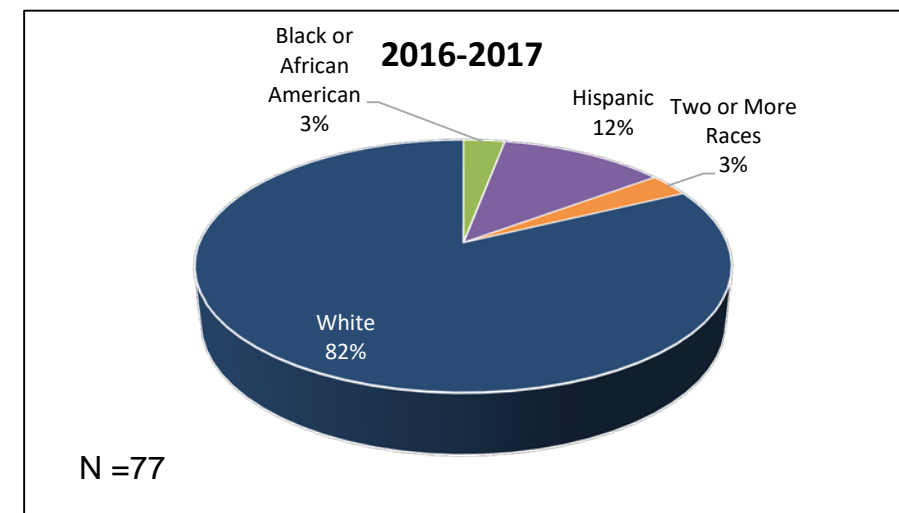
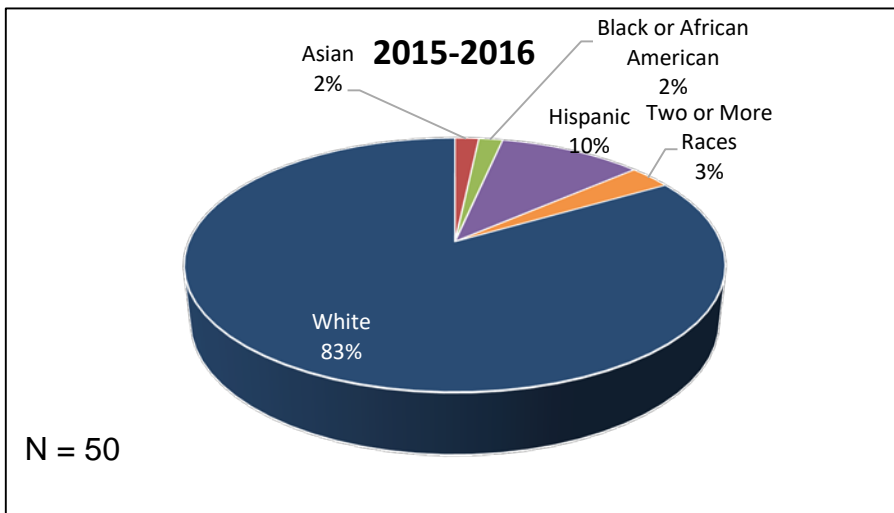
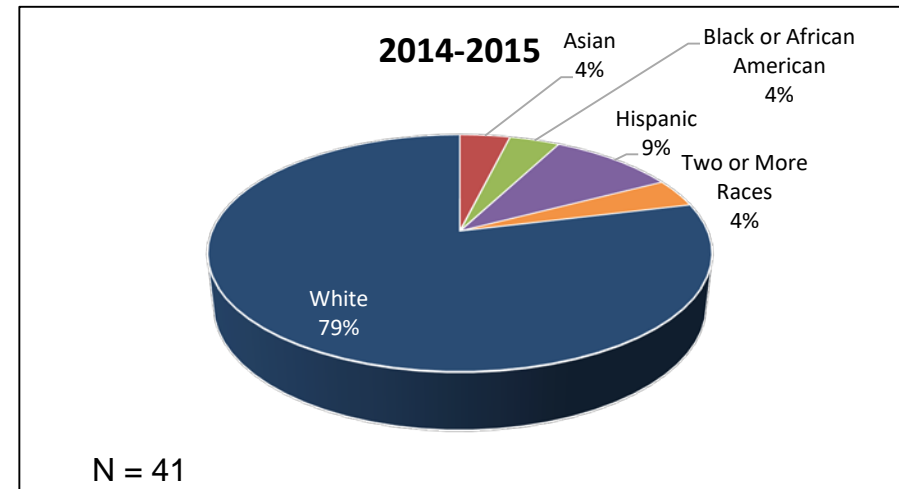
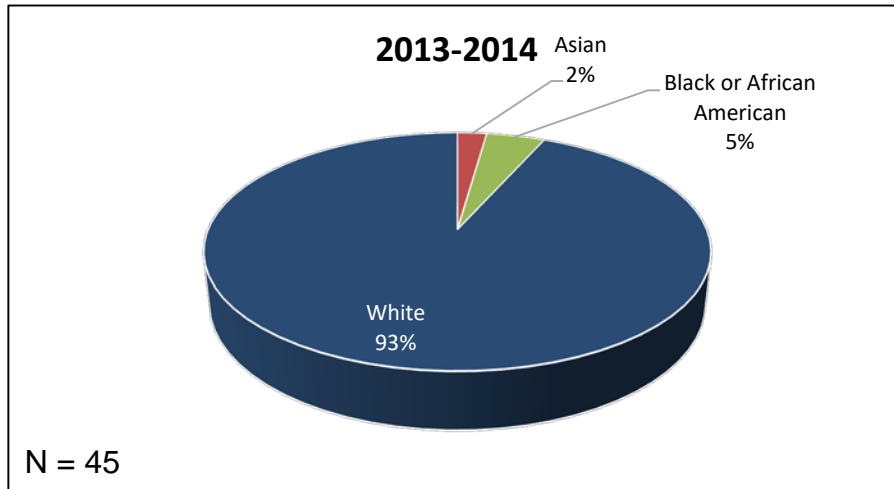


Major	2013-2014		2014-2015		2015-2016		2016-2017	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	59%	41%	60%	40%	60%	40%	60%	40%

Excludes individuals whose gender is not reported.

Source: IR Program Assessment Data

Race / Ethnicity by Program



DSC Averages 2016-2017						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0.4%	2%	14%	15%	0.2%	2%	66%

Excludes individuals whose race / ethnicity is not reported.