

ASSESSMENT DAY

College of Workforce, Continuing and Adult Education
School of Occupational Apprenticeships
Electrical Apprentice – Non-Union
February 5, 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

[1071 - Electrical Apprentice - Non-Union](#)

Action Items from Last Assessment Day

Last Assessment Day: 3/20/2017

1. Advisor on the Go to have present at night (ATC)
2. 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);
3. Parent nights' initiative, which is to educate parents on the apprenticeship programs

Electrical Apprentice - Non-Union #1071 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.

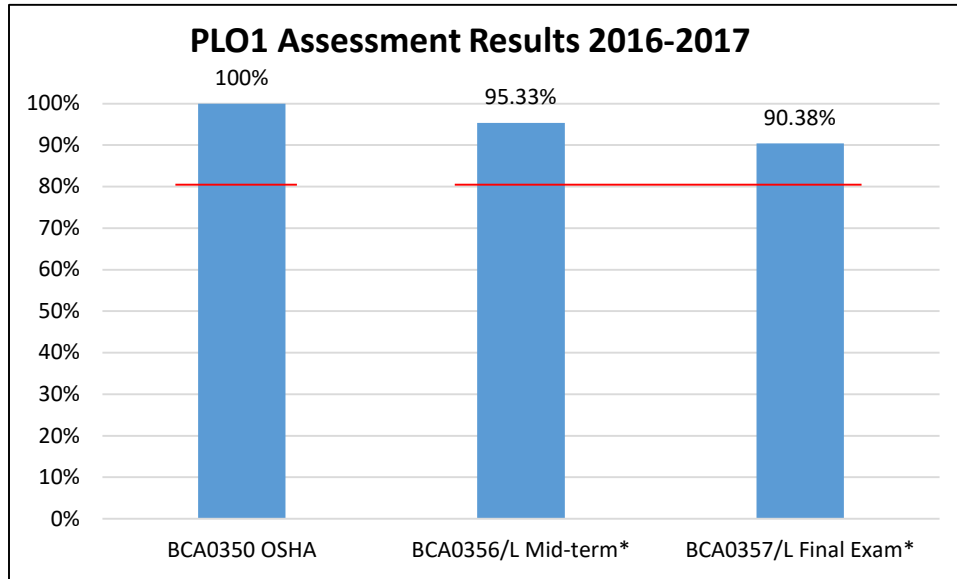
PLO 2: Identify and use different tools, equipment, materials and electrical products used in the trade.

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.

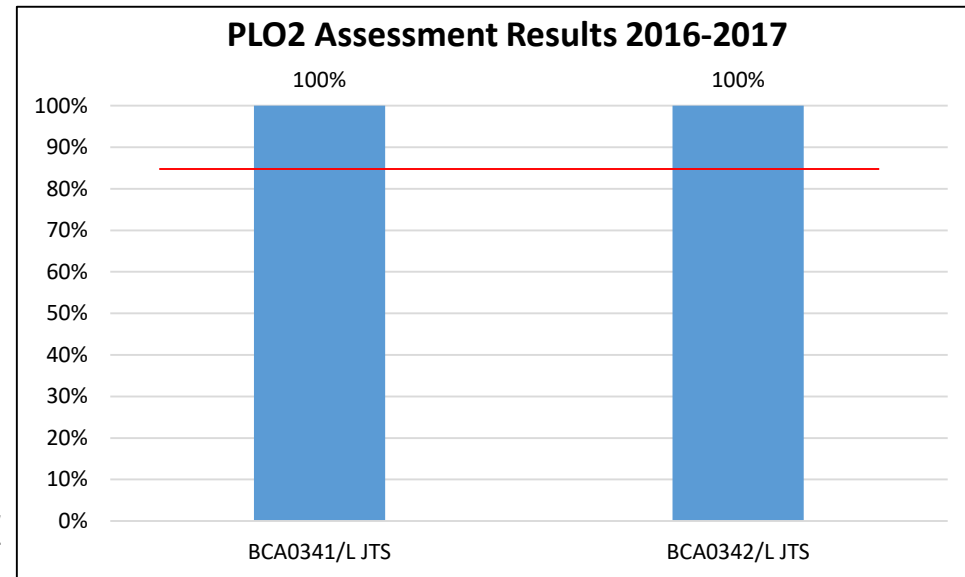
PLO 5: Demonstrate the ability to plan and initiate projects related to the field.

Assessment Results 2016-2017



PLO1: Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code. *Target: 80% of student will pass the OSHA 80% of students will achieve 70% or higher in the Mid-term and Final Exam.*

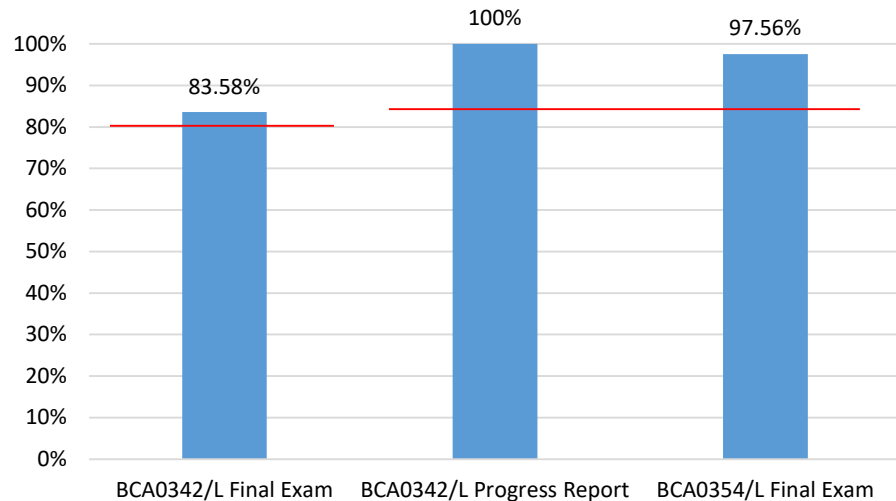
**Results are given in average*



PLO2: Identify and use different tools, equipment, materials and electrical products used in the trade. *Target: 85% of students scoring average or above for all JTS*

Assessment Results 2016-2017

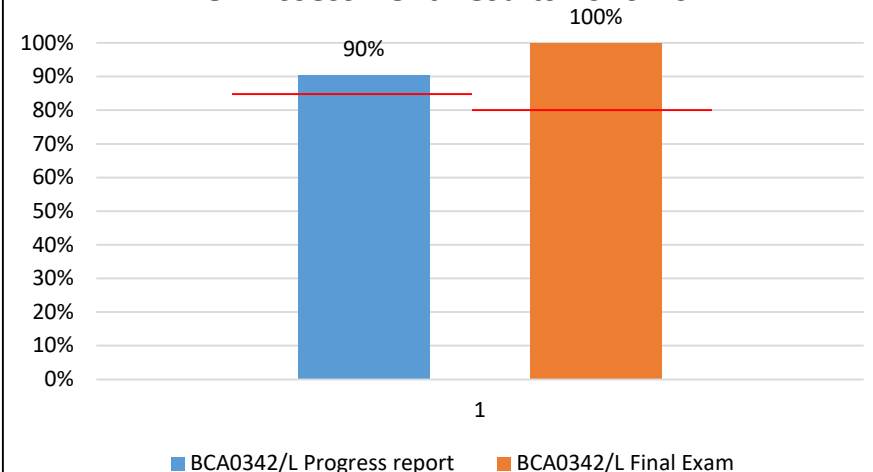
PLO3 Assessment Results 2016-2017



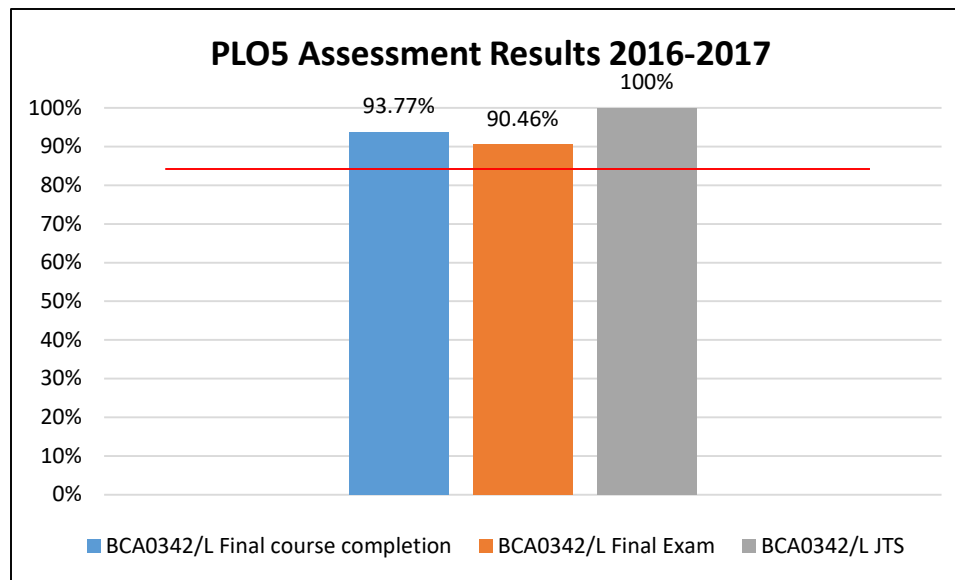
PLO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of students will achieve 70% or higher in the Final Exams. 85% of students achieving "fair" or better in the Progress Report.*

PLO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets. *Target: 85% of students will achieve "fair" or better in the Progress Report. 80% of students will achieve 70% or higher in the Final Exams.*

PLO4 Assessment Results 2016-2017



Assessment Results 2016-2017



PLO5: Demonstrate the ability to plan and initiate projects related to the field.
Target: 85% of students will achieve 70% or higher in the final course.

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
1071 - ELECTRICIAN APPR - NON-UNION	89.06%- 93.77%	90.38%- 100%	89.06%- 100%	90.38%- 100%	93.77%- 100%	100%	93.77%- 100%	100%

Course Success Rates

Major and Associated Courses		2013-2014		2014-2015		2015-2016		2015-2016		
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	
1071 - ELECTRICIA N APPR - NON-UNION	BCA0340L	3	100%	3	100%	4	75%	9	100%	↑
	BCA0341	3	100%	3	100%	4	100%	9	100%	
	BCA0341L	3	100%	3	67%	4	100%	9	100%	
	BCA0342	3	100%	3	100%	4	100%	9	100%	
	BCA0342L	3	100%	3	100%	4	100%	9	100%	
	BCA0343L	7	86%	3	100%	3	100%			
	BCA0350					23	65%	21	81%	↑
	BCA0350L	19	95%	17	100%	23	96%	21	81%	
	BCA0351	16	75%	16	94%	21	76%	19	79%	↑
	BCA0351L	16	81%	16	94%	21	95%	19	95%	
	BCA0352L	11	73%	13	85%	15	87%			
	BCA0353	9	89%	12	75%	13	77%	17	82%	↑
	BCA0353L	9	89%	12	83%	13	92%	17	76%	
	BCA0354	8	88%	11	91%	12	83%	14	79%	
	BCA0354L	8	88%	11	91%	12	100%	14	100%	
	BCA0355L	4	100%	7	100%	9	100%			
	BCA0356	4	75%	6	50%	10	60%	12	100%	↑
	BCA0356L	4	75%	6	83%	10	90%	12	100%	
	BCA0357	3	100%	5	80%	9	100%	12	100%	
	BCA0357L	3	100%	5	80%	9	100%	12	100%	
Major Total	302	88%	363	88%	192	86%	235	90%	↑	

Indicates a success rate of 90% or higher

Indicates a success rate between 70% and 89%

Indicates a success rate below 70%

Grade Distribution

Major and Associated Courses			2016-2017 (SU16, FA16, SP17)					
			Pass (A, B, C)	Fail (D, F)	FNs	Ws	W1s	Incs
1071 - ELECTRICIAN APPR - NON- UNION	Summer 2016	BCA0340L	9	0	0	0	0	0
	Summer 2016 Total		9 (100%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
	Fall 2016	BCA0341	9	0	0	0	0	0
		BCA0341L	9	0	0	0	0	0
		BCA0350	17	1	1	2	0	0
		BCA0350L	17	1	1	2	0	0
		BCA0353	14	0	0	3	0	0
		BCA0353L	13	1	0	3	0	0
		BCA0356	12	0	0	0	0	0
		BCA0356L	12	0	0	0	0	0
		Fall 2016 Total		103 (87.3%)	3 (2.5%)	2 (1.7%)	10 (8.5%)	0 (0%)
	Spring 2017	BCA0342	9	0	0	0	0	0
		BCA0342L	9	0	0	0	0	0
		BCA0351	15	4	0	0	0	0
		BCA0351L	18	0	1	0	0	0
		BCA0354	11	3	0	0	0	0
		BCA0354L	14	0	0	0	0	0
		BCA0357	12	0	0	0	0	0
		BCA0357L	12	0	0	0	0	0
	Spring 2017 Total		100 (92.6%)	7 (6.4%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)
Grand Total			212 (90.2%)	10 (4.3%)	3 (1.2%)	10 (4.3%)	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
1071 - ELECTRICIAN APPR - NON- UNION	BCA0341	1	3	1	3	1	4	1	9
	BCA0342	1	3	1	3	1	4	1	9
	BCA0350	1	19	1	17	1	23	1	21
	BCA0351	1	16	1	16	1	21	1	19
	BCA0353	1	9	1	12	1	13	1	17
	BCA0354	1	8	1	11	1	12	1	14
	BCA0356	1	4	1	6	1	10	1	12
	BCA0357	1	3	1	5	1	9	1	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.

Performance Funding - Retention Rates

Program and Year		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Total Retained %
					N	%	N	%	
1071 ELECTRICIAN APPR - NON-U	2011	44	13	31	0	0%	16	51.61%	51.61%
	2012	35	6	29	0	0%	16	55.17%	55.17%
	2013	36	3	33	0	0%	21	63.64%	63.64%
	2014	38	3	35	0	0%	26	74.29%	74.29%
	2015	49	4	45	1	2.2%	35	77.8%	80.0%

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	%
1071 ELECTRICIAN APPR - NON- UNION	Black	2	1	1	1	100%
	Hispanic	8	0	8	8	100%
	White	34	3	31	22	71%

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

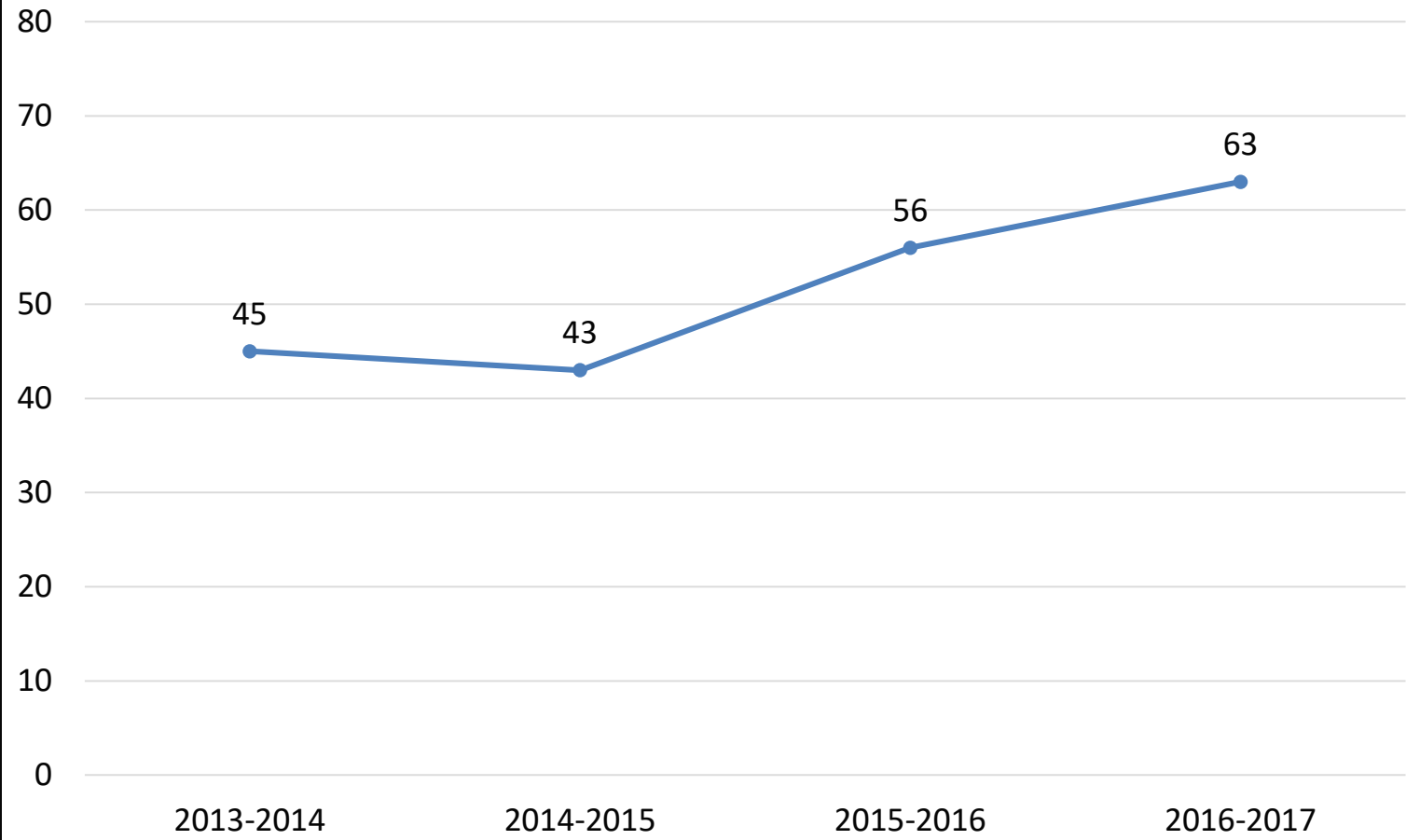
*Currently Inactive Program

N/A - No placement data for the program.

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

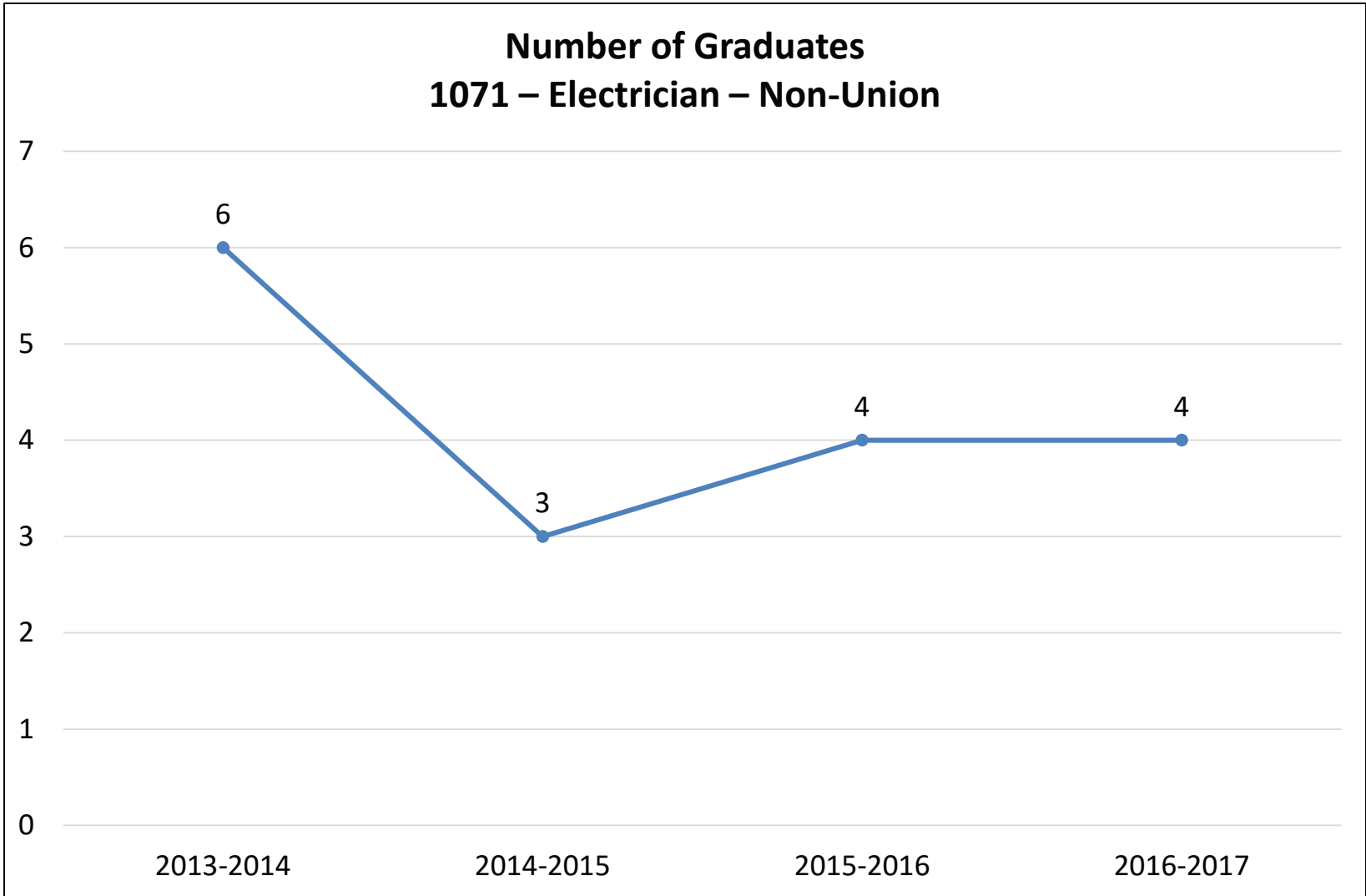
Source: IR Program Assessment Data

Headcount 1071 - Electrician - Non-Union



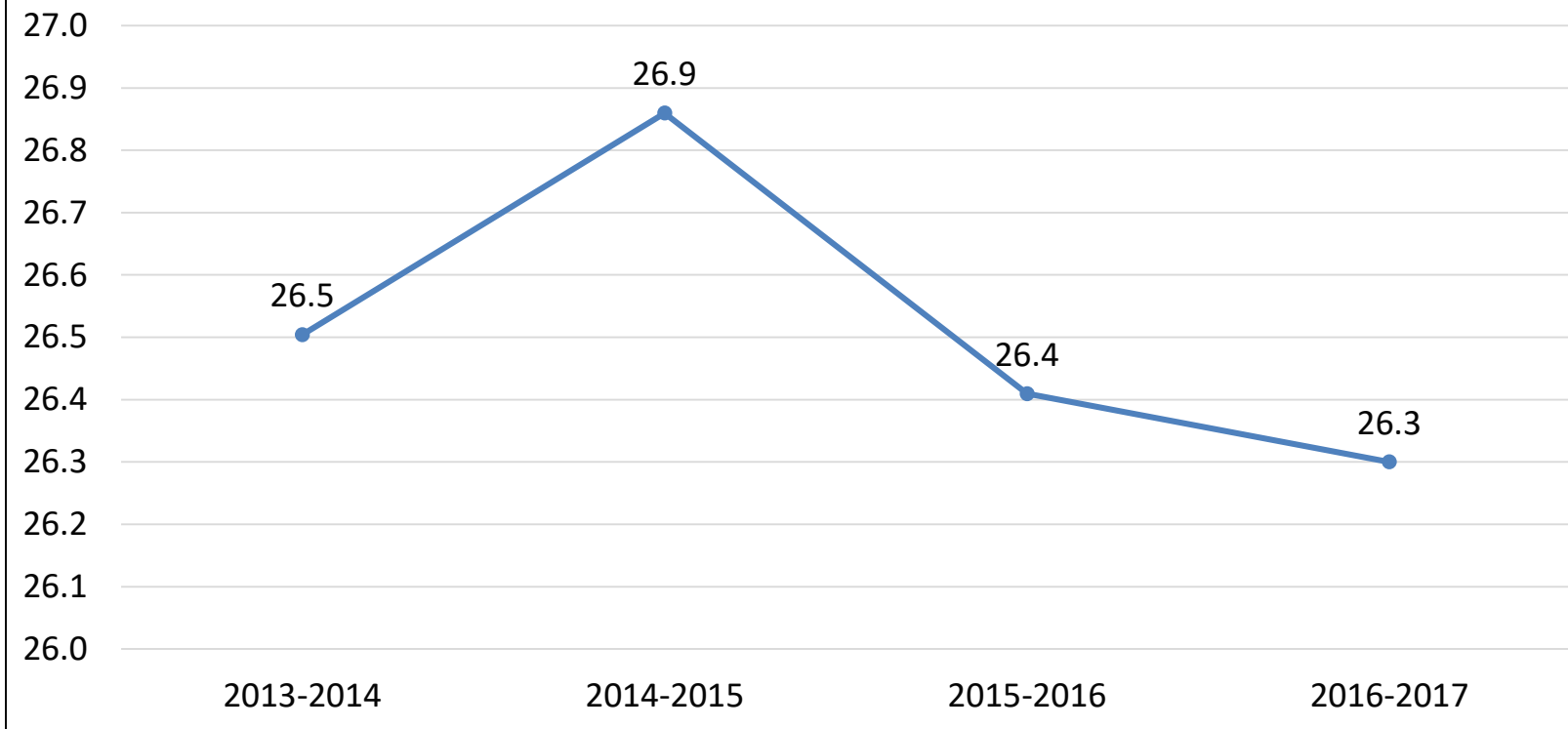
College Enrollment Decreased: 3%(13/14); 0.73%(14/15); 1.14% (15/16); 5.5%(16/17)

Number of Graduates 1071 – Electrician – Non-Union



Source: IR Program Assessment Data

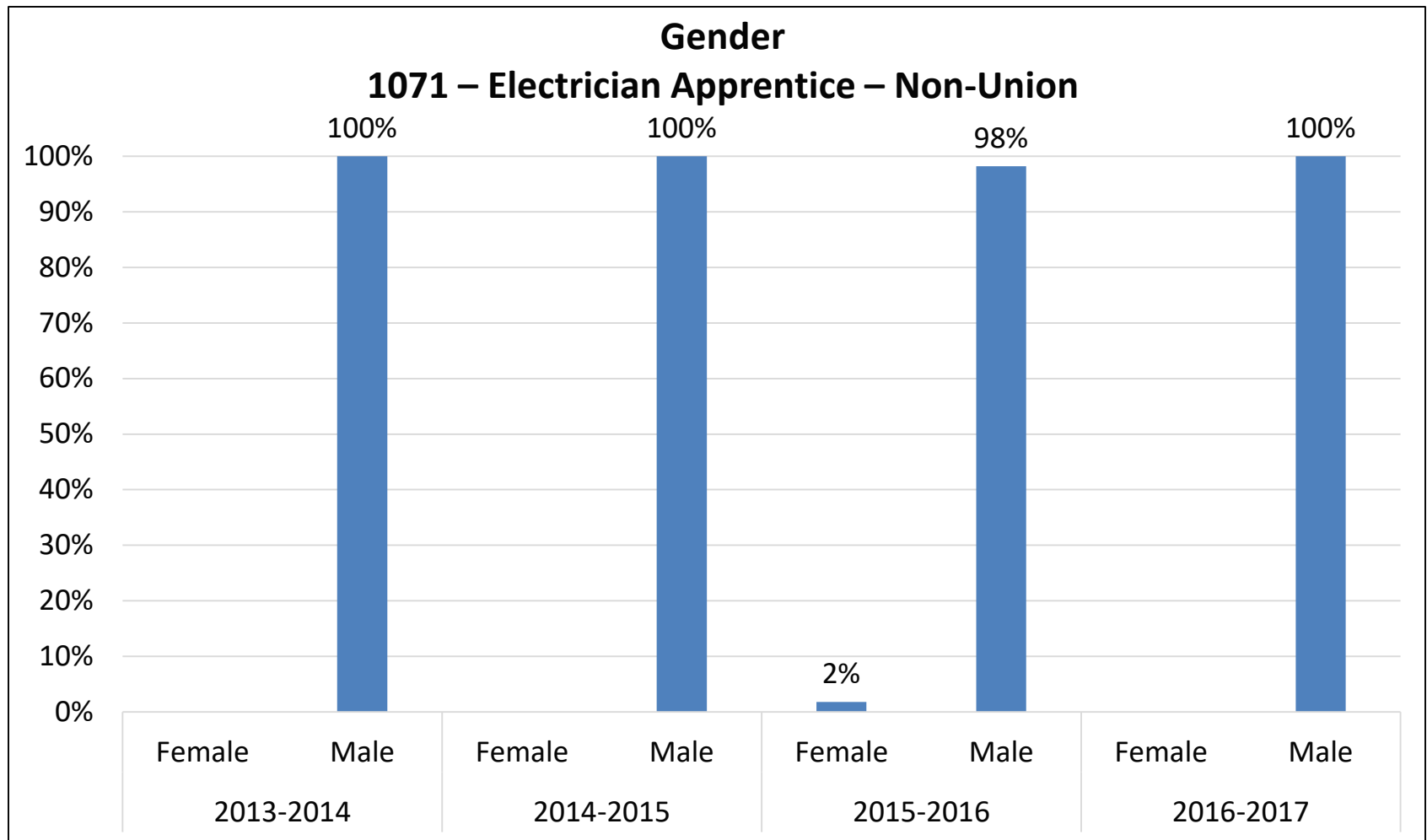
Average Age 1071 – Electrician – Non-Union



	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

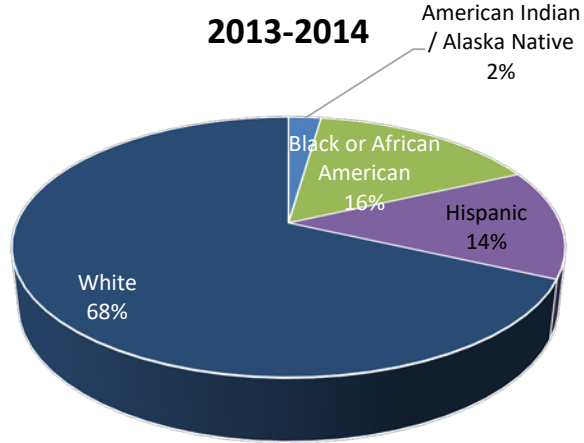


Major	2013-2014		2014-2015		2015-2016		2016-2017	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	59%	41%	60%	40%	60%	40%	60%	40%

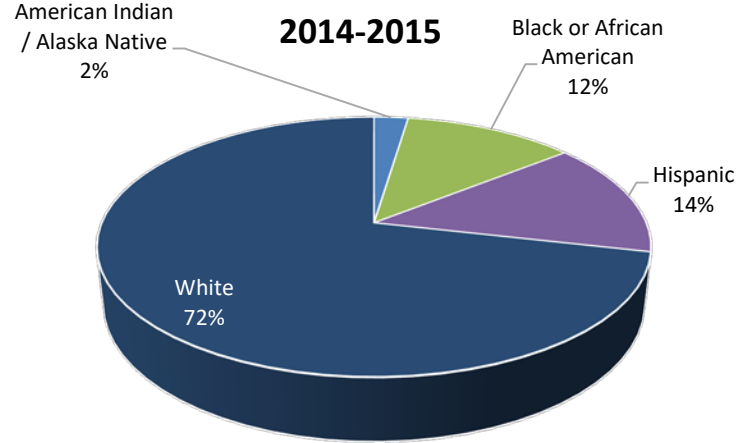
Excludes individuals whose gender is not reported.

Source: IR Program Assessment Data

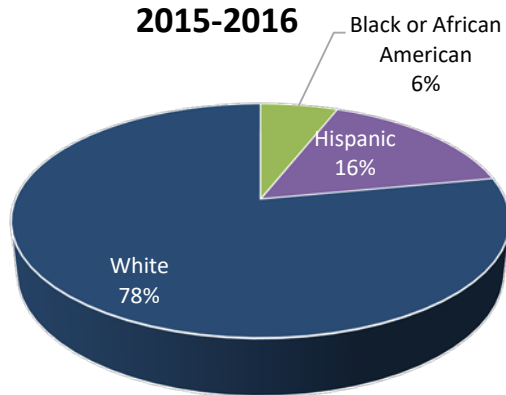
Race / Ethnicity by Program



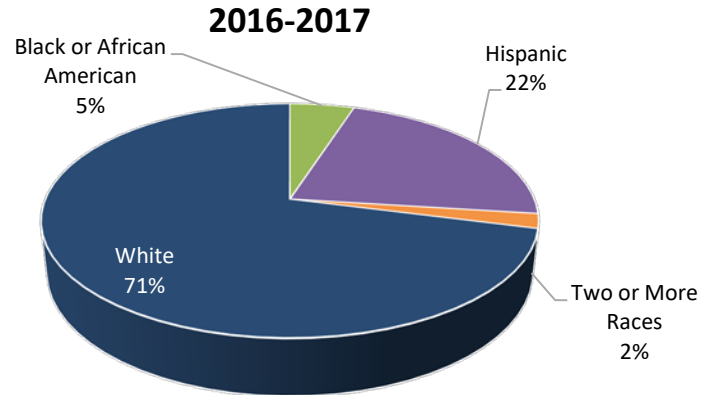
N = 44



N = 42



N = 50



N = 59

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%

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

Source: IR Program Assessment Data