ASSESSMENT DAY

College of Workforce, Continuing and Adult Education

School of Occupational Apprenticeships

Electrical Apprentice – Non-Union

March 20, 2017

Academic Assessment

	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
Academic Success Committee	Program	• Quality of assessment practices	Committee of peers	Years 1 & 2
Instructional Program Review	Program / Cluster	• 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	• 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: 11/13/2015

1. Review data with IR and report back to the programs in all findings
2. Set appointments with each area to work on the program learning outcomes assessment
3. Brainstorm opportunities to make apprenticeships shorter (from 4 years to 3 years)
4. Provide information to advisors and recruiters to increase understanding and improve perception of the apprenticeships programs. Advisor on the Go?
5. Reaching out to the community
6. Alumni/marketing spotlight on apprenticeships
7. Electrical Non-Union specific:
   a. Revise program learning outcomes.
   b. Develop curriculum maps.
   c. Identify assessment measures.
   d. Collect results from this year in the summer.

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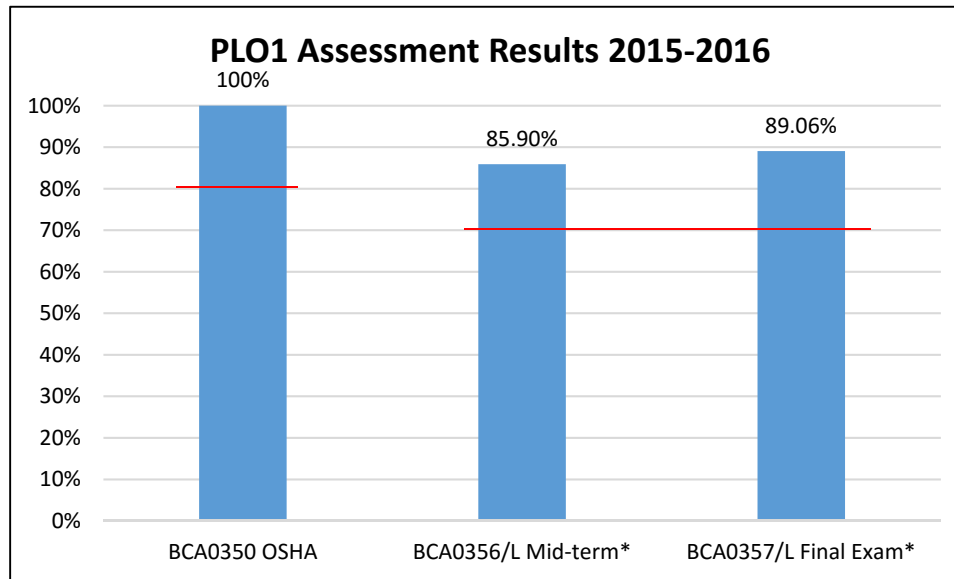
PLO 2: Identify and use different tools, equipment, materials and electrical products used in the trade.

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

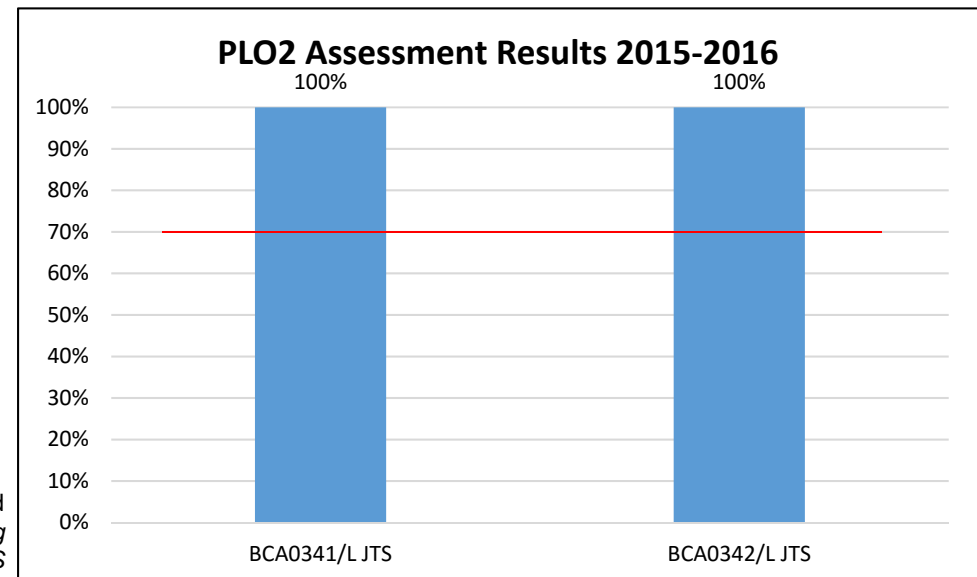**PLO 4**: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

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

Assessment Results 2015-2016

PLO1 Assessment Results 2015-2016
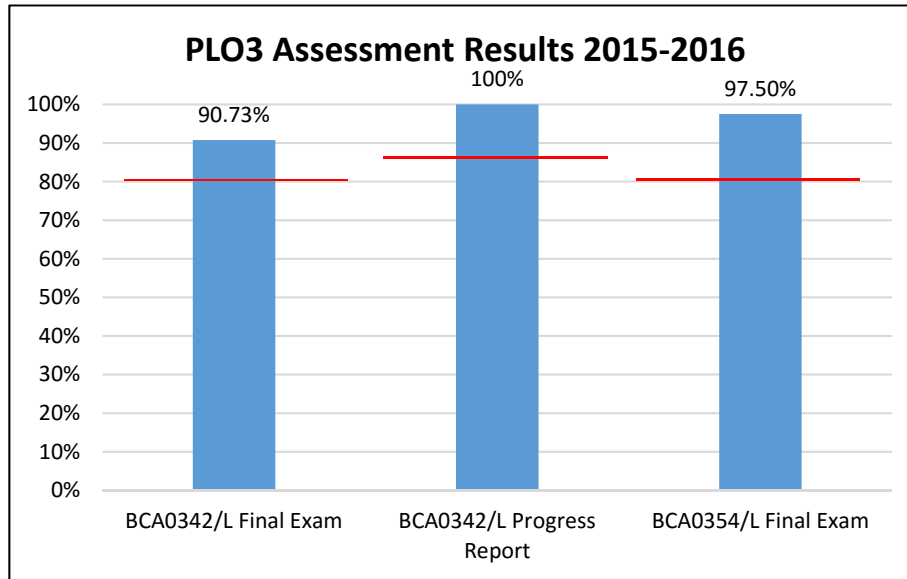

Results are given in average

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.*
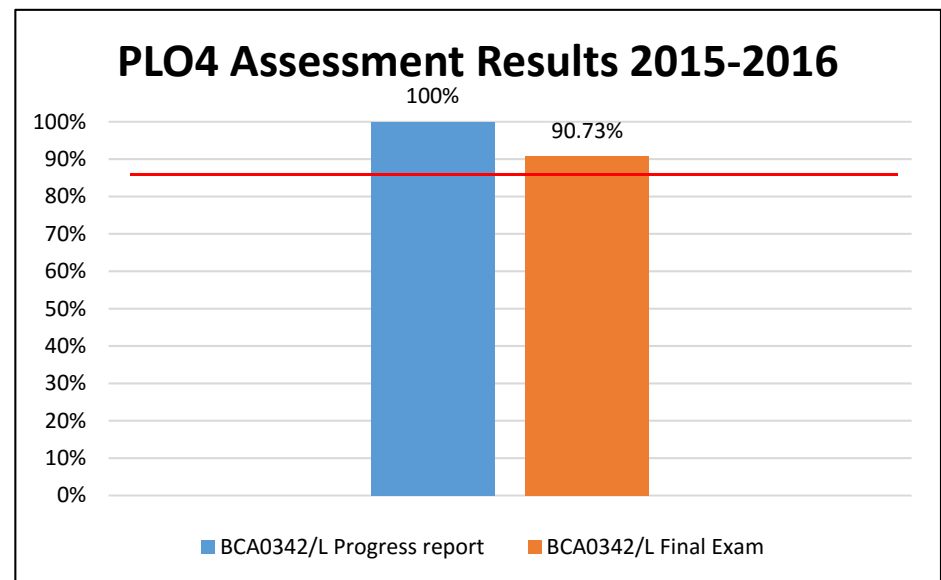
PLO2 Assessment Results 2015-2016

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 2015-2016

PLO3 Assessment Results 2015-2016

PLO3 Assessment Results 2015-2016

- BCA0342/L Final Exam: 90.73%
- BCA0342/L Progress Report: 100%
- BCA0354/L Final Exam: 97.50%

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.*

PLO4 Assessment Results 2015-2016

- BCA0342/L Progress report: 100%
- BCA0342/L Final Exam: 90.73%

Assessment Results 2015-2016

PLO5 Assessment Results 2015-2016
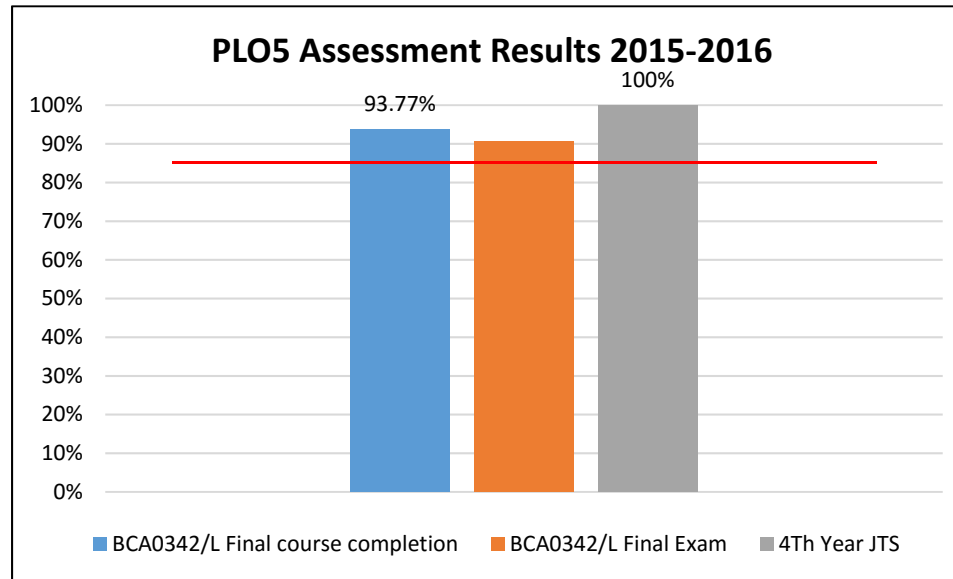
PLO5: Demonstrate the ability to plan and initiate projects related to the field.
Target: 85% of students will achieve 70% or higher in the final course.

Assessment Data
Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	14/15	15/16	14/15	15/16	14/15	15/16	14/15	15/16
1071 - ELECTRICIAN APPR - NON-UNION	NR	89.06%-93.77%	NR	89.06%-100%	NR	93.77%-100%	NR	93.77%-100%

NR: No Report

Course Success Rates

Major and Associated Courses	2012-2013		2013-2014		2014-2015		2015-2016	
	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
BCA0340L	7	100%	3	100%	3	100%	4	75%
BCA0341	7	100%	3	100%	3	100%	4	100%
BCA0341L	7	100%	3	100%	3	67%	4	100%
BCA0342	7	86%	3	100%	3	100%	4	100%
BCA0342L	7	100%	3	100%	3	100%	4	100%
BCA0343L	13	100%	7	86%	3	100%	3	100%
BCA0350							23	65%
BCA0350L	19	84%	19	95%	17	100%	23	96%
BCA0351	19	47%	16	75%	16	94%	21	76%
BCA0351L	19	63%	16	81%	16	94%	21	95%
BCA0352L	6	100%	11	73%	13	85%	15	87%
BCA0353	5	80%	9	89%	12	75%	13	77%
BCA0353L	5	100%	9	89%	12	83%	13	92%
BCA0354	4	100%	8	88%	11	91%	12	83%
BCA0354L	4	100%	8	88%	11	91%	12	100%
BCA0355L	7	100%	4	100%	7	100%	9	100%
BCA0356	3	100%	4	75%	6	50%	10	60%
BCA0356L	3	100%	4	75%	6	83%	10	90%
BCA0357	3	100%	3	100%	5	80%	9	100%
BCA0357L	3	100%	3	100%	5	80%	9	100%
Major Total	309	87%	302	88%	363	88%	192	86%

Row label spanning the table: **1071 - ELECTRICIAN APPR - NON-UNION**

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

Average Class Size by Course

Major and Associated Courses		2012-2013		2013-2014		2014-2015		2015-2016	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
1071 - ELECTRICIAN APPR - NON-UNION	BCA0341	1	7	1	3	1	3	1	4
	BCA0342	1	7	1	3	1	3	1	4
	BCA0350	1	19	1	19	1	17	1	23
	BCA0351	1	19	1	16	1	16	1	21
	BCA0353	1	5	1	9	1	12	1	13
	BCA0354	1	4	1	8	1	11	1	12
	BCA0356	1	3	1	4	1	6	1	10
	BCA0357	1	3	1	3	1	5	1	9

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%

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

Performance Funding - Placement Rates										
Program	**Major**	**2010/11**		**2011/12**		**2012/13**		**2013/14**		**Average Annual Salary**
		DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
ELECTRICIAN	**1071, 1072**	60%	88%	87%	90%	73%	91%	89%	80%	$39,212

■ 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.
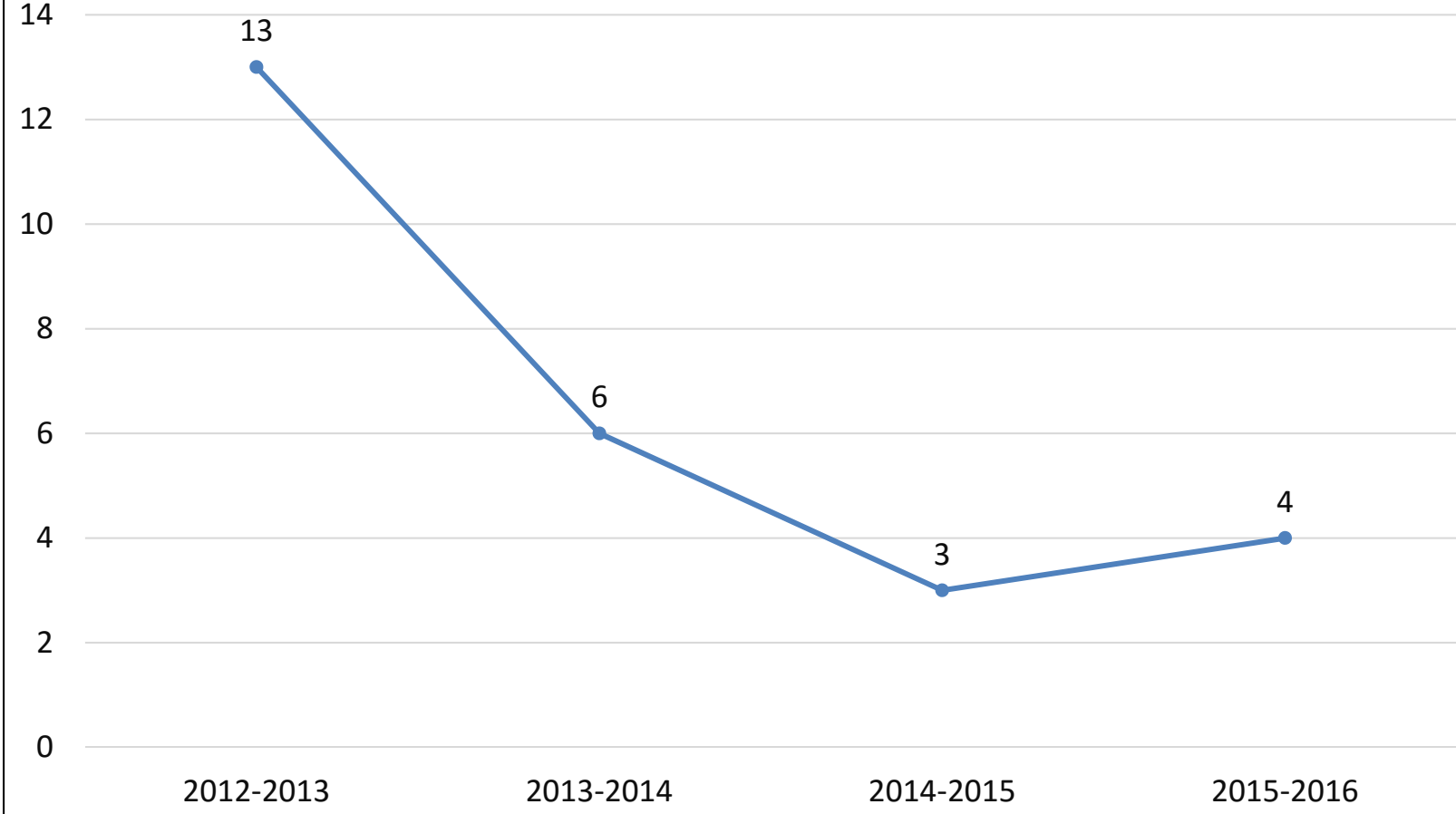$**,*** Less than 10 graduates found employed.
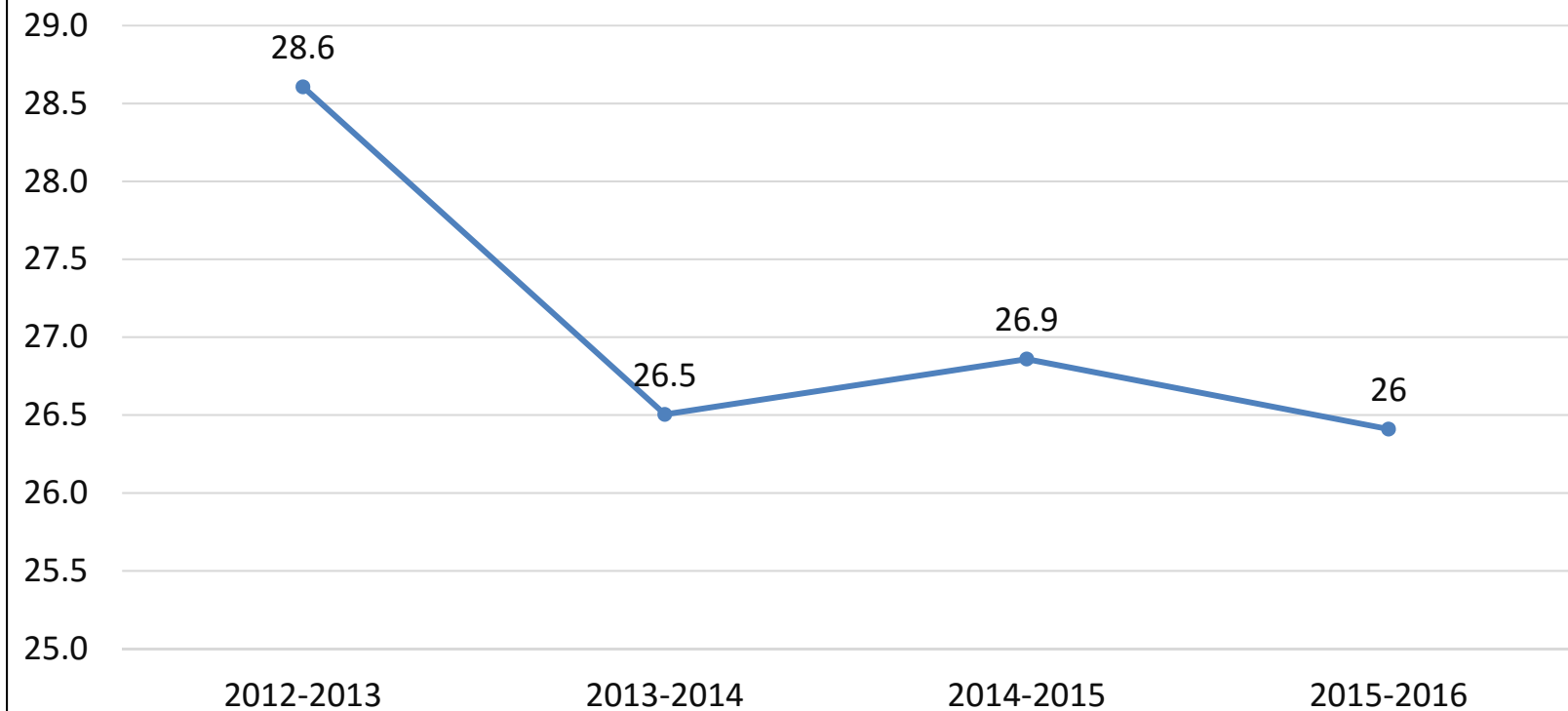
Headcount
1071 - Electrician - Non-Union

College Enrollment Decreased: 7.9%(12/13); 3%(13/14); 0.73%(14/15); 1.14% (15/16)

Number of Graduates
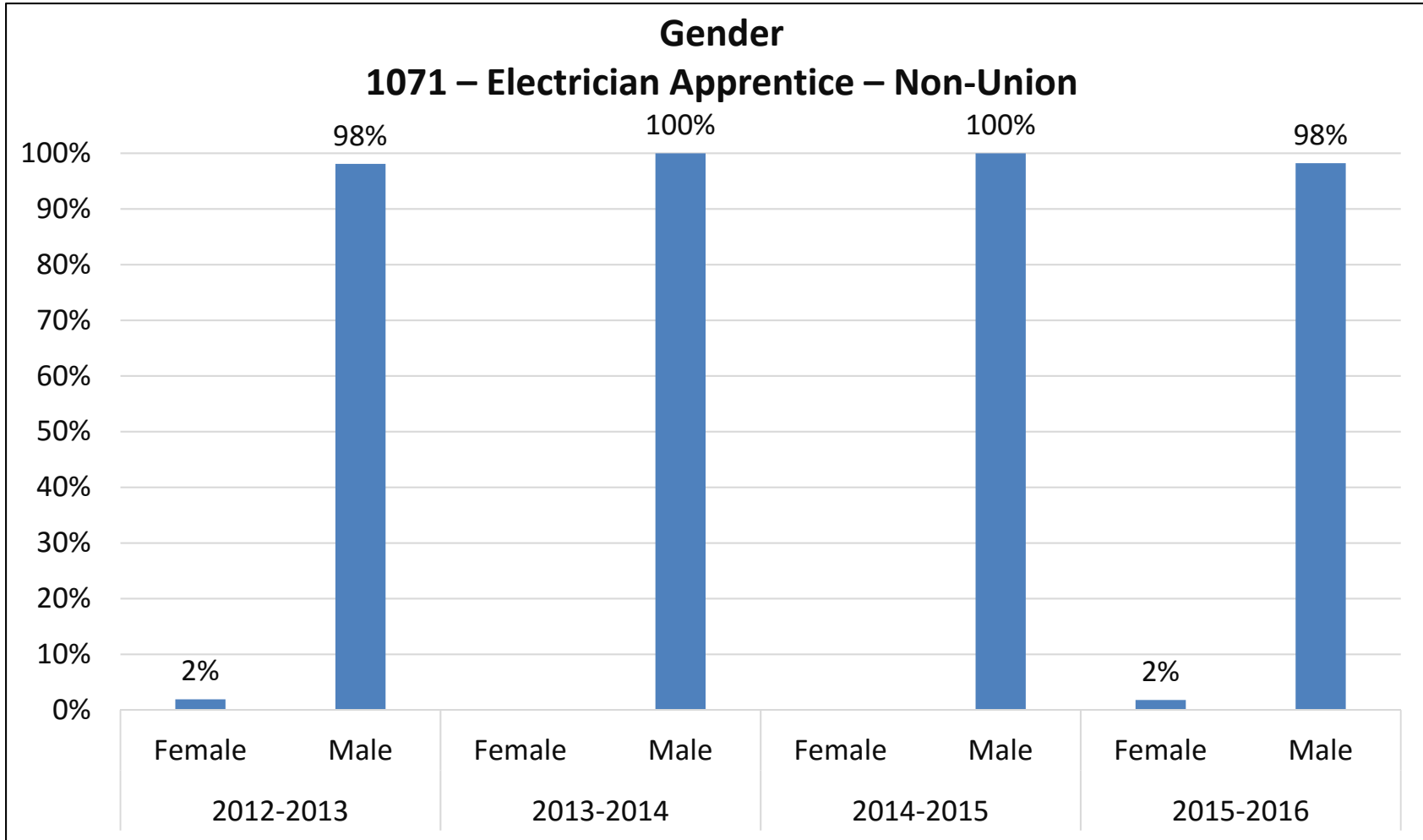**1071 – Electrician – Non-Union**

Average Age
1071 – Electrician – Non-Union

	2012-2013	2013-2014	2014-2015	2015-2016
All Programs	32	32	32	32
Daytona State College	26.7	26.6	26.4	26

Calculation excludes individuals whose birthdates are not reported.

Gender
1071 – Electrician Apprentice – Non-Union

Major	2012-2013		2013-2014		2014-2015		2015-2016	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	60%	40%	59%	41%	60%	40%	60%	40%

Excludes individuals whose gender is not reported.

Race / Ethnicity by Program

2012-2013

- Black or African American 19%
- Hispanic 2%
- White 79%

N = 52

2013-2014

- American Indian / Alaska Native 2%
- Black or African American 16%
- Hispanic 14%
- White 68%

N = 44

2014-2015

- American Indian / Alaska Native 2%
- Black or African American 12%
- Hispanic 14%
- White 72%

N = 42

2015-2016

- Black or African American 6%
- Hispanic 16%
- White 78%

N = 50
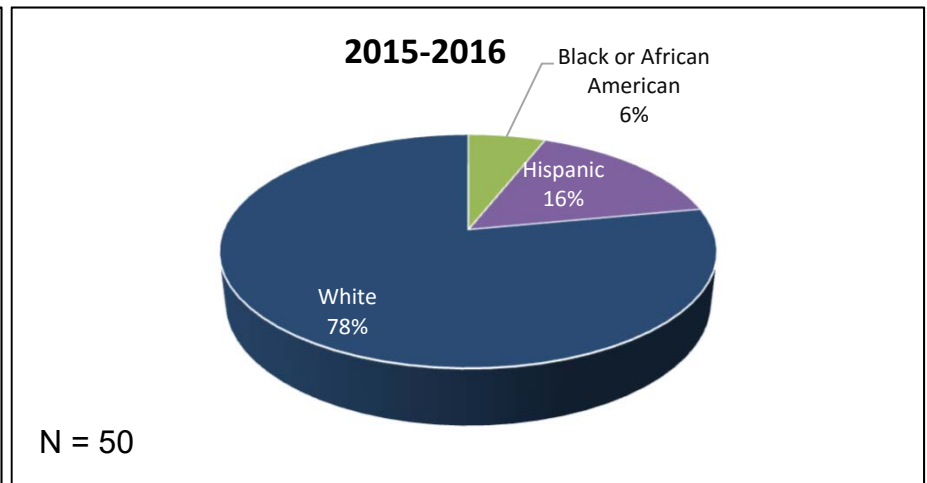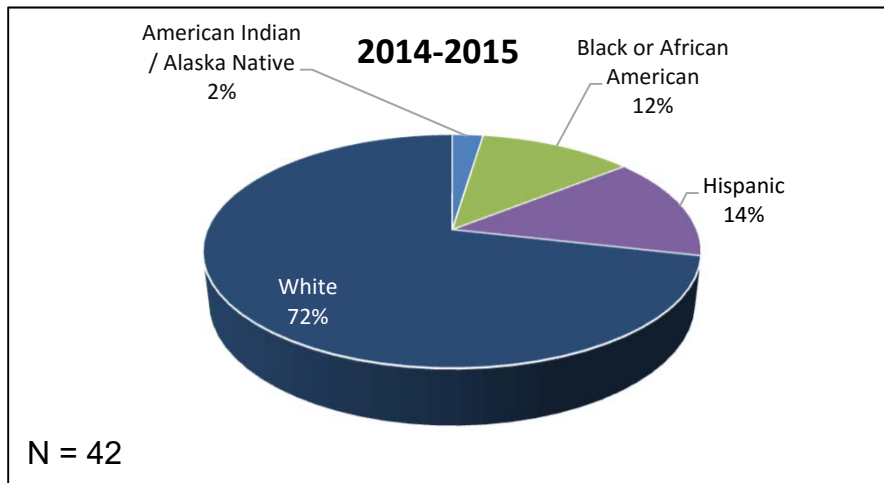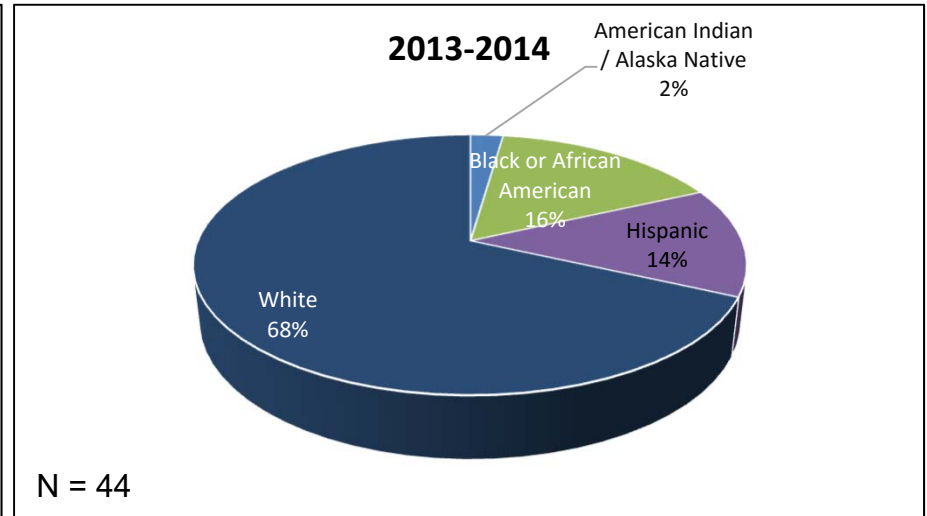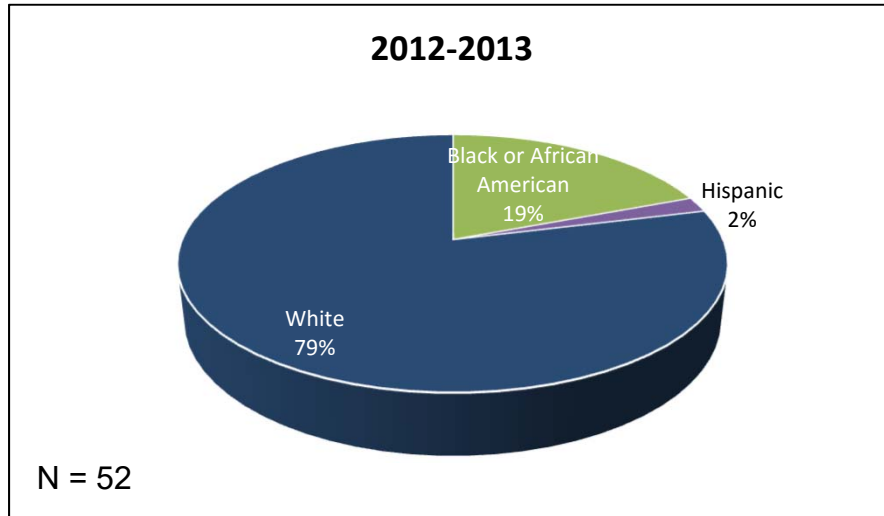
DSC Averages 2015-2016						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0%	2%	14%	14%	0%	2%	66%

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