ASSESSMENT DAY

College of Workforce, Continuing and Adult Education

School of Occupational Apprenticeships

Electrical Apprentice - Union

May 9, 2019

Strengths

Challenges

Recommendations

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

[1072 - Electrical Apprentice - Union](#)

Action Items from Last Assessment Day

<u>Last Assessment Day: 2/7/2018</u>

1. Think about ways to change the message in the marketing of the program;
2. Implementation of the DSC101 online orientation a week before classes start;
3. Work with Adult Ed to teach the Math course before students start the program and recruitment efforts with the GED students;
4. Fast track students that leave the apprenticeship program into other DSC programs;
5. Mini trade continuing ed. courses at the NSB campus;
6. For Institutional Effectiveness: Talk to Karen and Michelle about the Admission letters going out to admitted students causing confusion.

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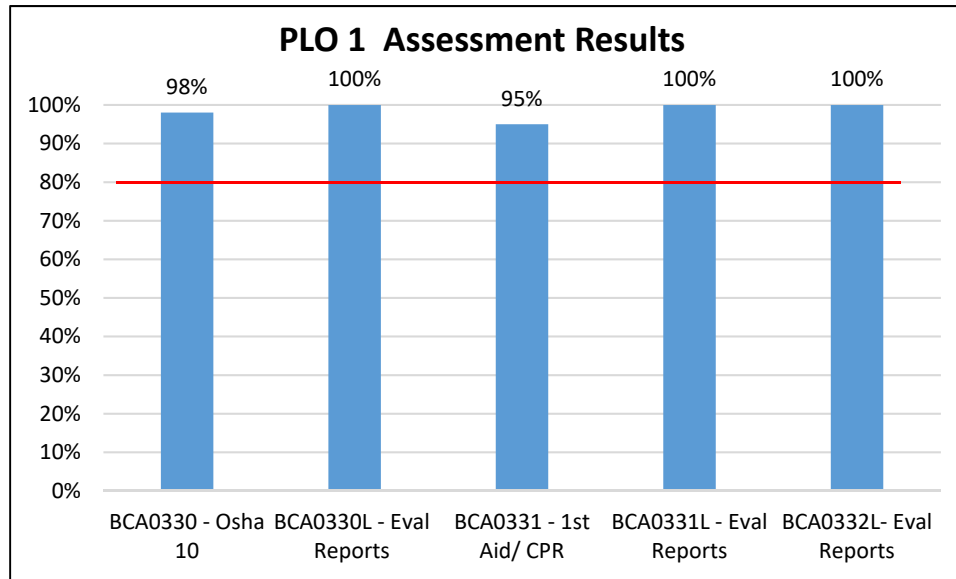
PLO 2: Identify and use different tools, equipment, materials and electrical products used in the trade.

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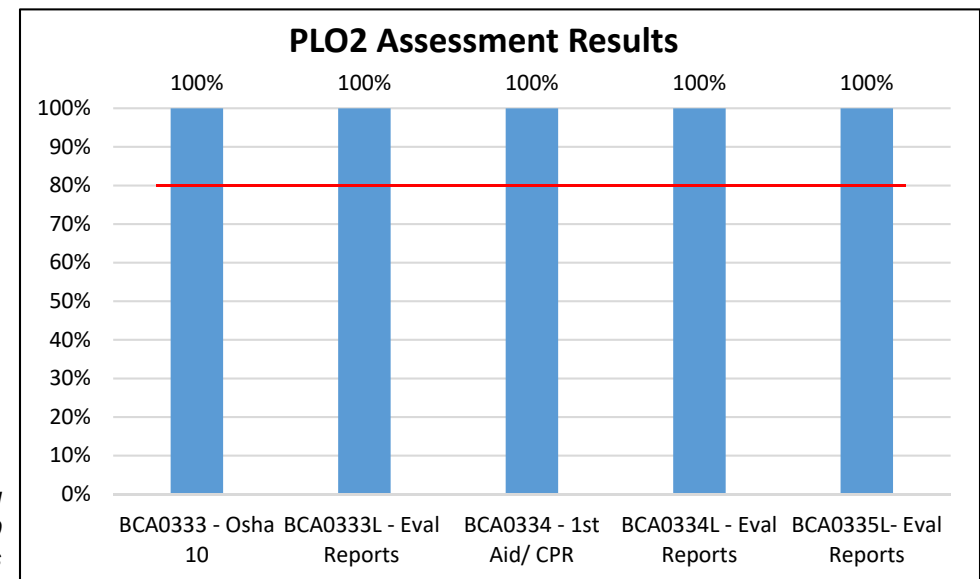
PLO 5: Demonstrate the ability to plan and initiate projects related to the field.

Assessment Results 2017-2018

PLO 1 Assessment Results

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 Assessment Results

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 2017-2018

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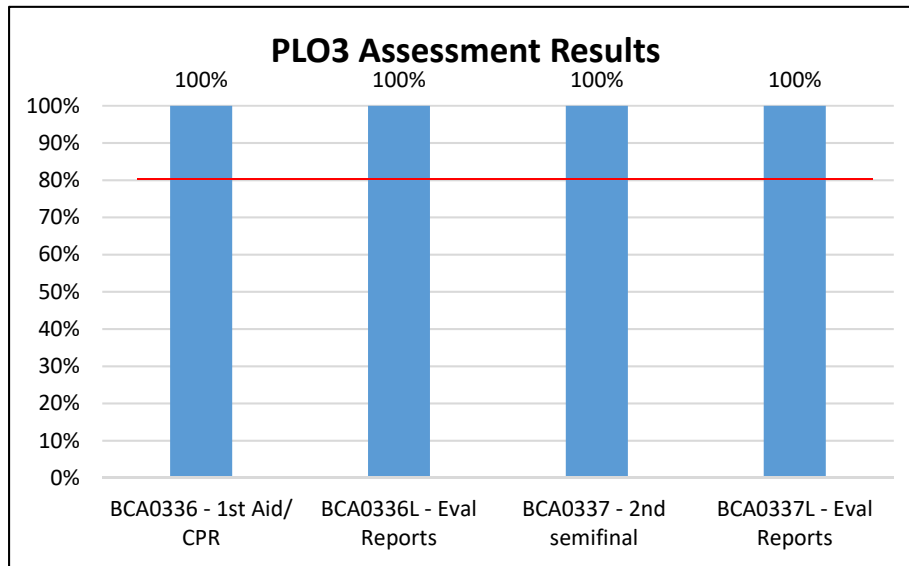
PLO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

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*

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Assessment Results 2017-2018

PLO5 Assessment Results

Category	Value
BCA0390 - Semifinal	100%
BCA0390L- Eval reports	100%
BCA0391 - 2nd semifinal	100%
BCA0391L - Eval Reports	100%
BCA0391L - State exam	100%

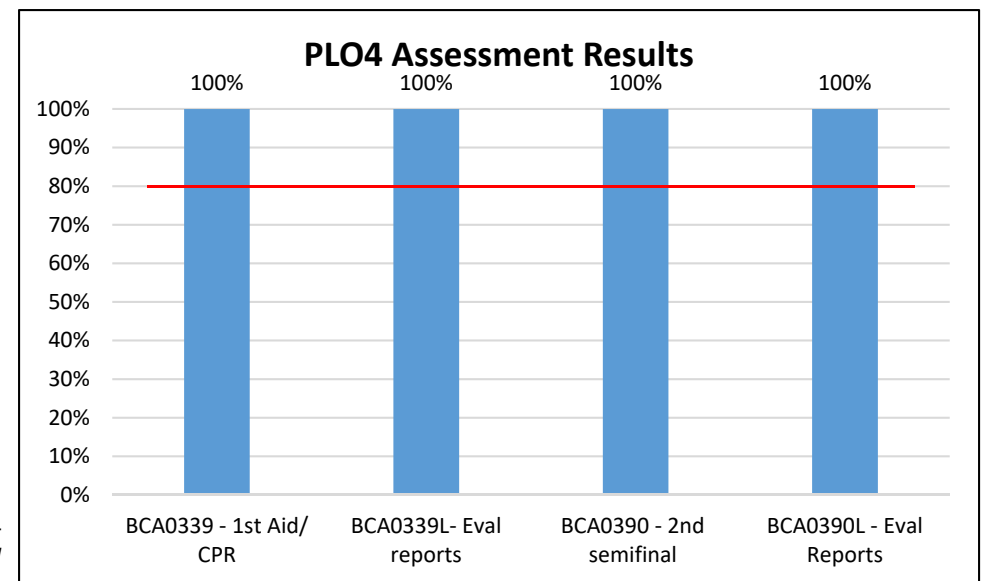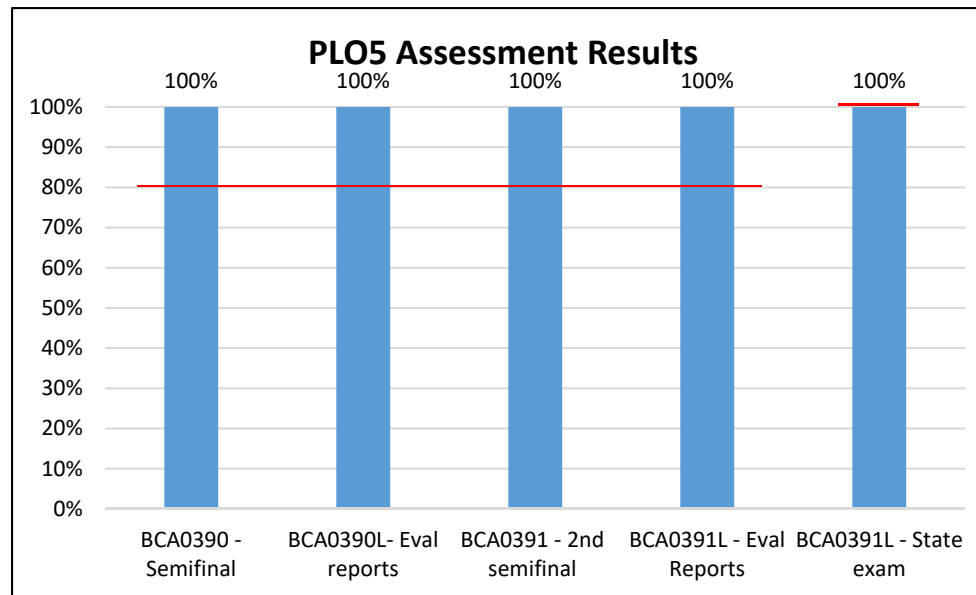PLO5: Demonstrate the ability to plan and initiate projects related to the field.
Target: 80% of student will achieve 75% or higher – Semifinal Osha 10
80% of students will achieve 75% or higher in Eval reports
All students will have an up to date 1st Aid, CPR, and AED card. All students will have
a Journeyman License

Assessment Data
Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	16/17	17/18	16/17	17/18	16/17	17/18	16/17	17/18
1072 - ELECTRICIAN APPR - UNION	100%	100%	100%	100%	100%	100%	100%	100%

Source: School of Education Assessment Reports

Course Success Rates

Major and Associated Courses (All Lecture)	Campus	2014-2015		2015-2016		2016-2017		2017-2018		
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	
1072 - ELECTRICIAN APPR - UNION	BCA0330	ATC	17	94%	18	67%	39	87%	31	81%	
	BCA0330L	ATC	17	94%	18	83%	34	85%	31	74%	
	BCA0331	ATC	17	82%	15	73%	39	79%	22	86%	↑
	BCA0331L	ATC	16	75%	15	73%	39	82%	20	95%	
	BCA0332L		12	92%	15	87%	13	77%			
	BCA0333	Deland	12	67%	15	87%	11	82%	30	93%	↑
	BCA0333L	ATC	12	67%	15	93%	16	88%	30	87%	
	BCA0334	Deland	8	88%	13	100%	11	82%	29	79%	↑
	BCA0334L	ATC	8	88%	13	100%	11	55%	28	79%	
	BCA0335L		10	100%	7	71%	13	85%			
	BCA0336	ATC	12	75%	5	80%	11	91%	37	84%	
	BCA0336L	ATC	12	75%	5	80%	11	100%	35	89%	
	BCA0337	ATC	9	100%	4	100%	11	91%	9	78%	
	BCA0337L	Deland	9	100%	4	100%	11	91%	10	70%	
	BCA0338	ATC	9	100%	9	100%	4	100%	17	100%	
	BCA0338L	ATC	9	100%	9	100%	5	80%	17	100%	↑
	BCA0339	ATC	9	100%	9	100%	4	100%	10	100%	
	BCA0339L	ATC	9	100%	9	100%	4	100%	10	100%	
	BCA0390	ATC	9	100%	9	78%	4	100%	10	90%	
	BCA0390L	ATC	9	100%	9	78%	4	100%	10	100%	
	BCA0391	ATC			9	100%	7	100%	4	100%	
	BCA0391L	ATC			9	100%	7	100%	4	100%	
	Major Total		363	88%	265	88%	309	85%	394	87%	↑

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

Course Success Rates by Session/Sub-session

Course and Session/Sub-session			2017-2018	
			Attempted	**% Successful**
BCA0336	**Spring**	**Full term**	**27**	**89%**
	Summer	**DYN**	**10**	**70%**
BCA0336L	**Spring**	**Full term**	**25**	**96%**
	Summer	**DYN**	**10**	**70%**
BCA0338	**Spring**	**Full term**	**7**	**100%**
	Summer	**DYN**	**10**	**100%**
BCA0338L	**Spring**	**DYN**	**7**	**100%**
	Summer	**DYN**	**10**	**100%**

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

Course Success Rate By Race/Ethnicity (1 of 2)

Program, Course, & Race/Ethnicity	# Students Enrolled	2017/18 Success Rate
1072 - Electrician - Union	394	87%
BCA0330	31	81%
Black	4	50%
Hispanic	3	100%
Two or More Races	1	100%
Unknown/Prefer not to answer	1	100%
White	22	82%
BCA0330L	31	74%
Black	4	50%
Hispanic	3	100%
Two or More Races	1	100%
Unknown/Prefer not to answer	1	100%
White	22	73%
BCA0331	22	86%
Black	1	100%
Hispanic	3	100%
Two or More Races	1	100%
White	17	82%
BCA0331L	20	95%
Black	1	100%
Hispanic	3	100%
Two or More Races	1	100%
White	15	93%
BCA0333	30	93%
Black	1	0%
Hispanic	4	100%
White	25	96%
BCA0333L	30	87%
Black	1	0%
Hispanic	4	100%
White	25	88%

Program, Course, & Race/Ethnicity	# Students Enrolled	2017/18 Success Rate
BCA0334	29	79%
Hispanic	4	100%
White	25	76%
BCA0334L	28	79%
Hispanic	4	100%
White	24	75%
BCA0336	37	84%
Hispanic	4	100%
White	33	82%
BCA0336L	35	89%
Hispanic	4	100%
White	31	87%
BCA0337	9	78%
White	9	78%
BCA0337L	10	70%
White	10	70%
BCA0338	17	100%
Hispanic	3	100%
Two or More Races	1	100%
White	13	100%
BCA0338L	17	100%
Hispanic	3	100%
Two or More Races	1	100%
White	13	100%
BCA0339	10	100%
Hispanic	3	100%
Two or More Races	1	100%
White	6	100%

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

Course Success Rate By Race/Ethnicity (2 of 2)

Program, Course, & Race/Ethnicity	# Students Enrolled	2017/18 Success Rate
BCA0339L	10	100%
Hispanic	3	100%
Two or More Races	1	100%
White	6	100%
BCA0390	10	90%
Hispanic	3	100%
Two or More Races	1	0%
White	6	100%
BCA0390L	10	100%
Hispanic	3	100%
Two or More Races	1	100%
White	6	100%
BCA0391	4	100%
White	4	100%
BCA0391L	4	100%
White	4	100%

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

Course Success Rate By Race and Ethnicity

Race/Ethnicity	Enrolled	2017/18 Success Rate
Black	12	50%
Hispanic	54	100%
Two or More Races	10	90%
Unknown/Prefer not to answer	2	100%
White	316	86%
Grand Total	394	87%

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		2017-2018							
		A	B	C	D	F	FN	W	W1
1072 - ELECTRICIAN APPR - UNION	Summer 2017 BCA0333	13	12	3	0	2	0	0	0
	BCA0333L	5	12	9	2	2	0	0	0
	BCA0336	1	3	3	0	3	0	0	0
	BCA0336L	1	4	2	0	3	0	0	0
	BCA0338	3	7	0	0	0	0	0	0
	BCA0338L	3	7	0	0	0	0	0	0
	BCA0391	0	4	0	0	0	0	0	0
	BCA0391L	4	0	0	0	0	0	0	0
	Summer 2017 Total	30(27.8%)	49(45.4%)	17(15.7%)	2(1.9%)	10(9.3%)	0(0%)	0(0%)	0(0%)
	Fall 2017 BCA0330	7	15	3	1	2	0	3	0
	BCA0330L	4	11	8	3	2	0	3	0
	BCA0334	1	13	9	3	2	0	1	0
	BCA0334L	1	12	9	3	2	0	1	0
	BCA0337	1	4	2	0	2	0	0	0
	BCA0337L	1	4	2	0	0	3	0	0
	BCA0339	5	3	2	0	0	0	0	0
	BCA0339L	5	3	2	0	0	0	0	0
	Fall 2017 Total	25(15.8%)	65(41.1%)	37(23.4%)	10(6.3%)	10(6.3%)	3(1.9%)	8(5.1%)	0(0%)

Grade Distribution (2 of 2)

Major and Associated Courses			2017-2018							
			A	B	C	D	F	FN	W	W1
1072 - ELECTRICIAN APPR - UNION	Spring 2018	BCA0331	7	10	2	0	1	0	2	0
		BCA0331L	5	6	8	1	0	0	0	0
		BCA0336	7	15	2	1	0	0	2	0
		BCA0336L	1	17	6	1	0	0	0	0
		BCA0338	2	5	0	0	0	0	0	0
		BCA0338L	2	5	0	0	0	0	0	0
		BCA0390	0	7	2	1	0	0	0	0
		BCA0390L	4	5	1	0	0	0	0	0
	Spring 2018 Total		28(21.9%)	70(54.7%)	21(16.4%)	4(3.1%)	1(0.8%)	0(0%)	4(3.1%)	0(0%)

Average Class Size by Course

Major and Associated Courses		2014-2015		2015-2016		2016-2017		2017-2018	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
1072 - ELECTRICIAN APPR - UNION	BCA0330	1	17	1	18	2	20	2	16
	BCA0331	1	17	1	15	2	20	2	11
	BCA0333	1	12	1	15	1	11	1	30
	BCA0334	1	8	1	13	1	11	1	29
	BCA0336	1	12	1	5	1	11	2	19
	BCA0337	1	9	1	4	1	11	1	9
	BCA0338	1	9	1	9	1	4	2	9
	BCA0339	1	9	1	9	1	4	1	10
	BCA0390	1	9	1	9	1	4	1	10
	BCA0391			1	9	1	7	1	4
	Total	15	9	10	11	12	12	14	14

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%
	2016	66	4	62	1	2.00%	48	77.00%	78.00%

College average (67.1%)

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.

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	Cohort	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						N	%
1072 ELECTRICIAN APPR - UNION	FA15 to FA16	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%
	FA16 to FA17	Black	2	0	2	0	0%
		Hispanic	9	0	9	7	78%
		Two or More Races	2	0	2	1	50%
		White	53	4	49*	40	82%

*one student was retained by DSC

College average (African American: 49.9%, Hispanic: 66.3%)

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: 95.5%)

Major	2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		Average Annual Salary
	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
1071, 1072	60%	88%	87%	90%	73%	91%	89%	80%	50%	81%	100%	91%	100%	97%	$**,***

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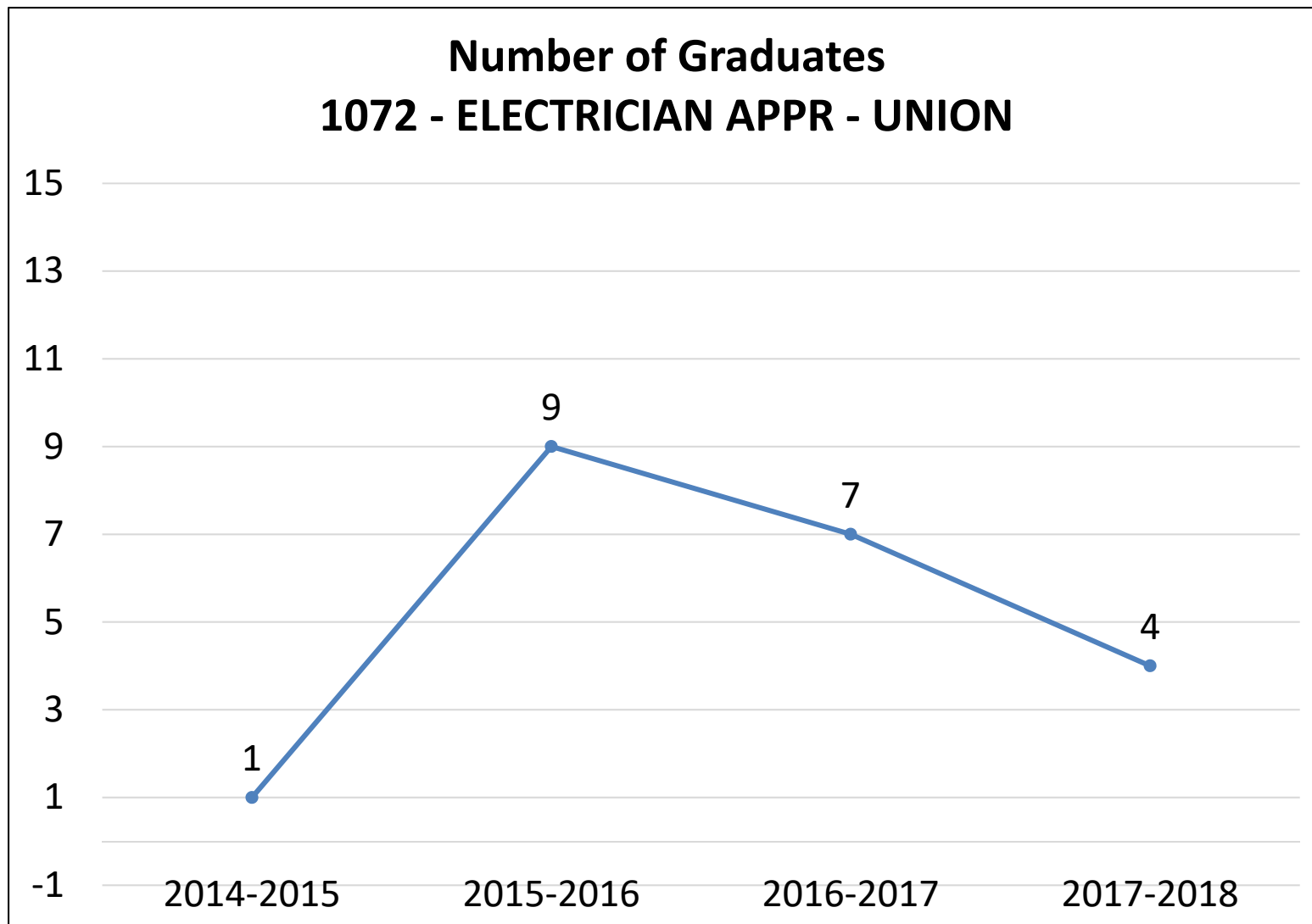■ Indicates the College average below the State Averages

*Currently Inactive Program
N/A - No placement data for the program.
$**,*** Less than 10 graduates found employed.

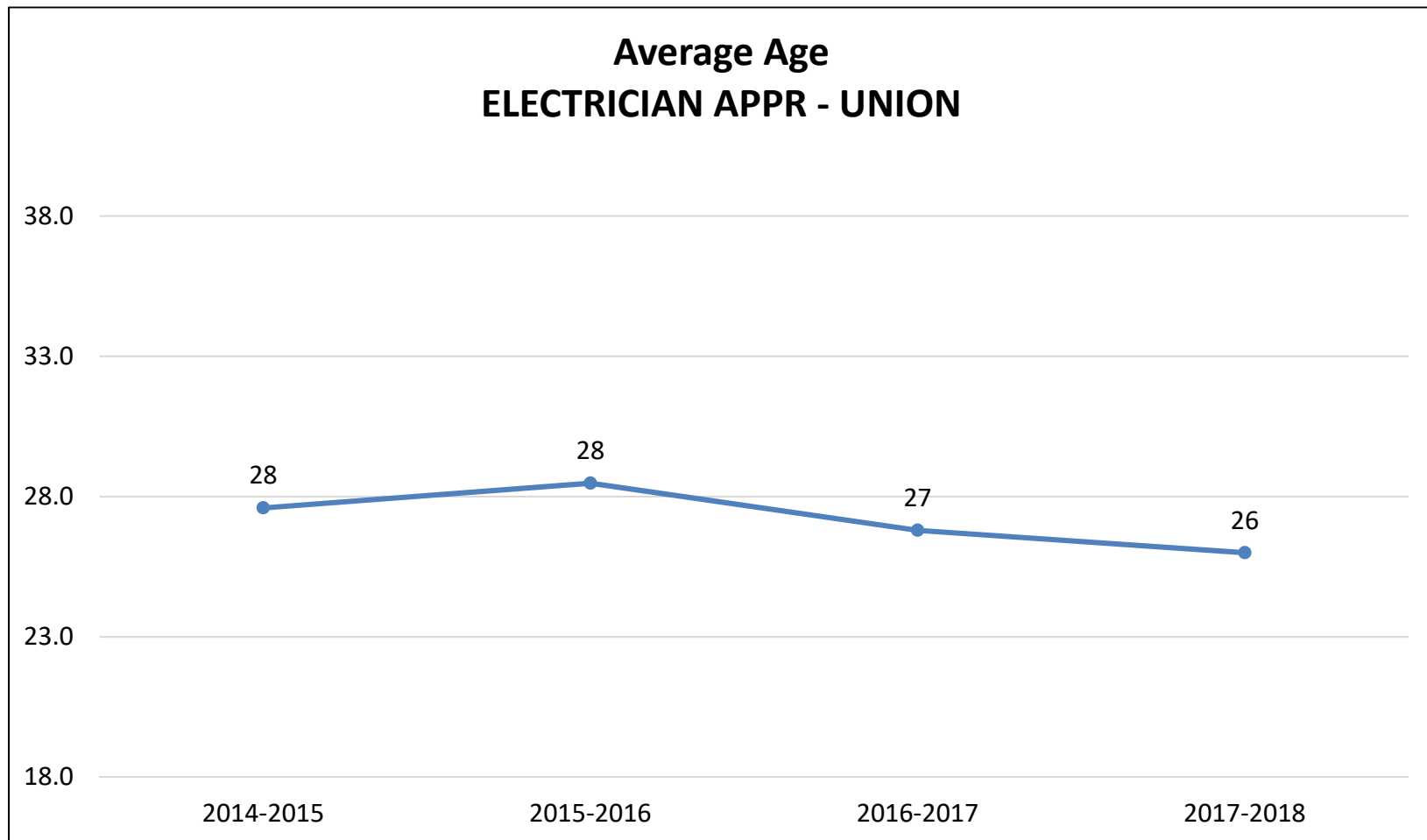Source: IR Program Assessment Data

Headcount in Major
1072 - ELECTRICIAN APPR - UNION
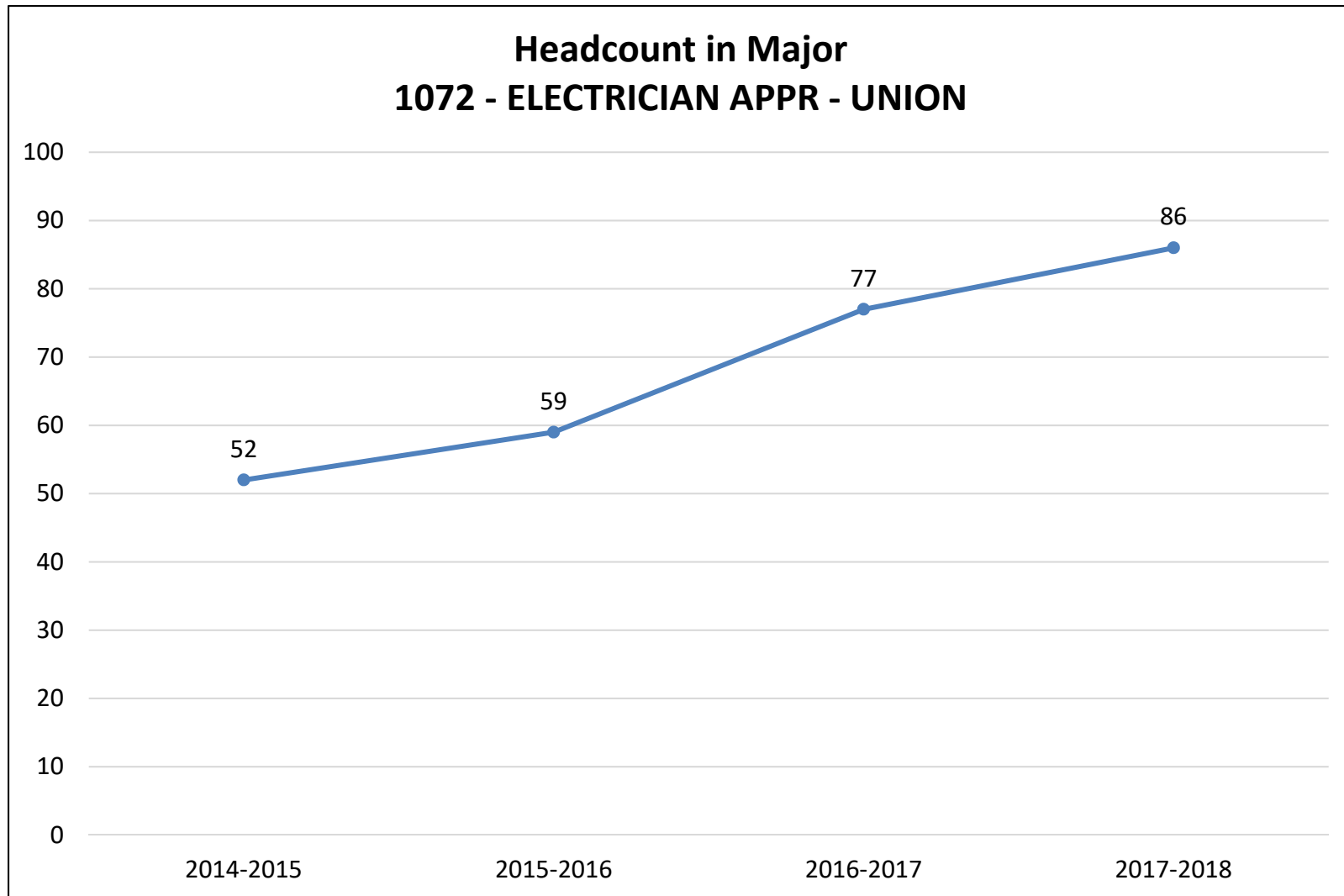
College Enrollment Decreased: 0.7%(14/15); 1.15% (15/16); 3.7%(16/17); 0.7%(17/18)
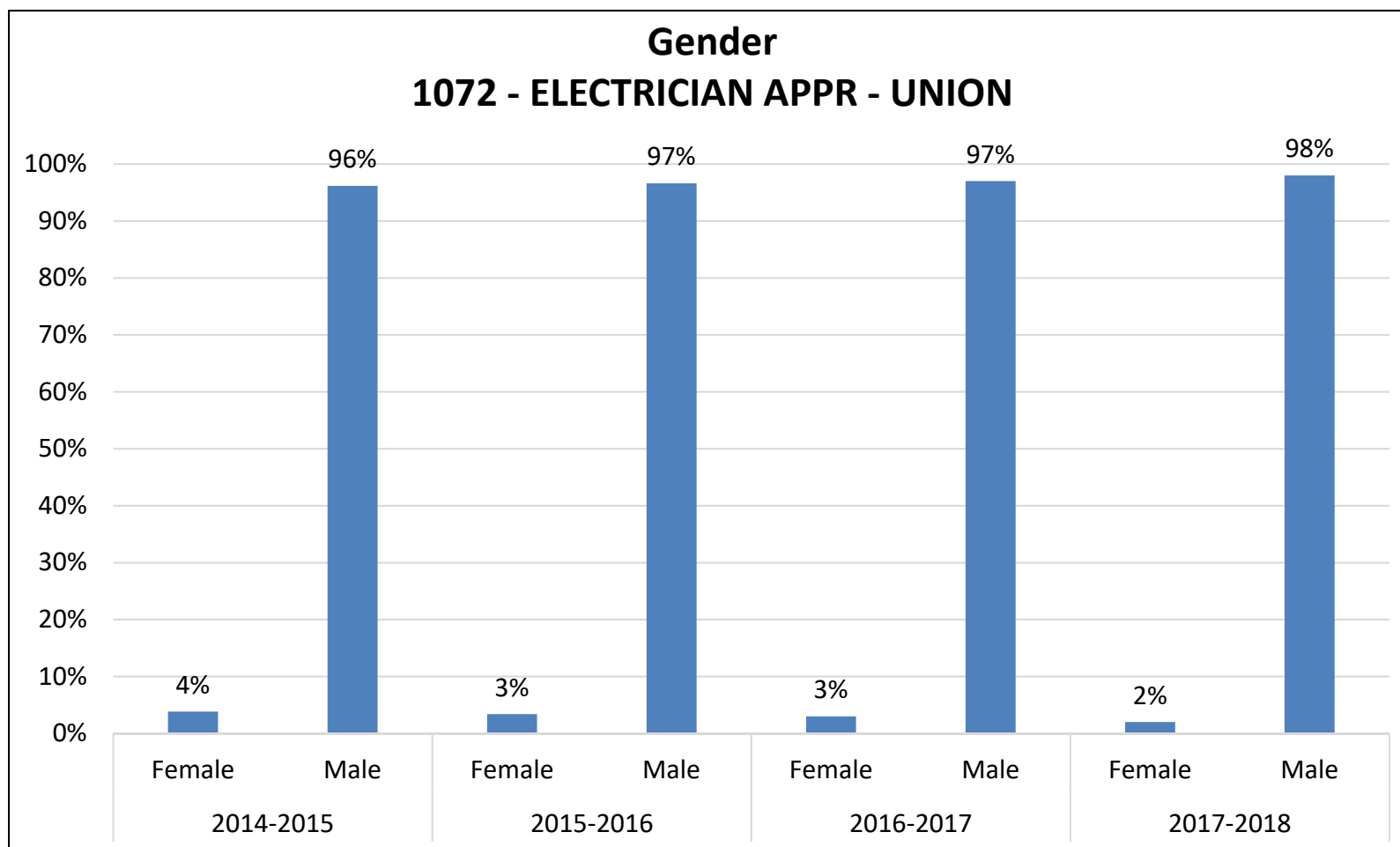
Source: IR Program Assessment Data

Number of Graduates
1072 - ELECTRICIAN APPR - UNION

Source: IR Program Assessment Data

Average Age
ELECTRICIAN APPR - UNION

	2014-2015	2015-2016	2016-2017	2017-2018
Daytona State College	26.4	26	27	27

Calculation excludes individuals whose birthdates are not reported.
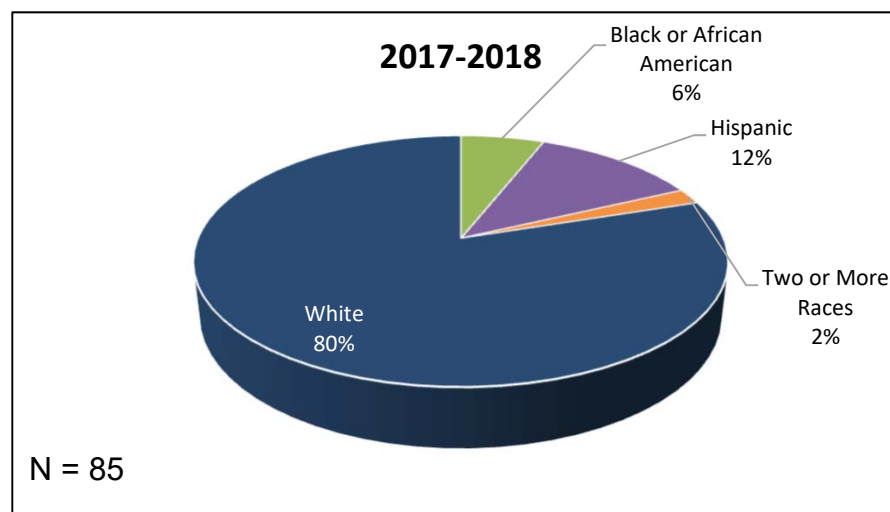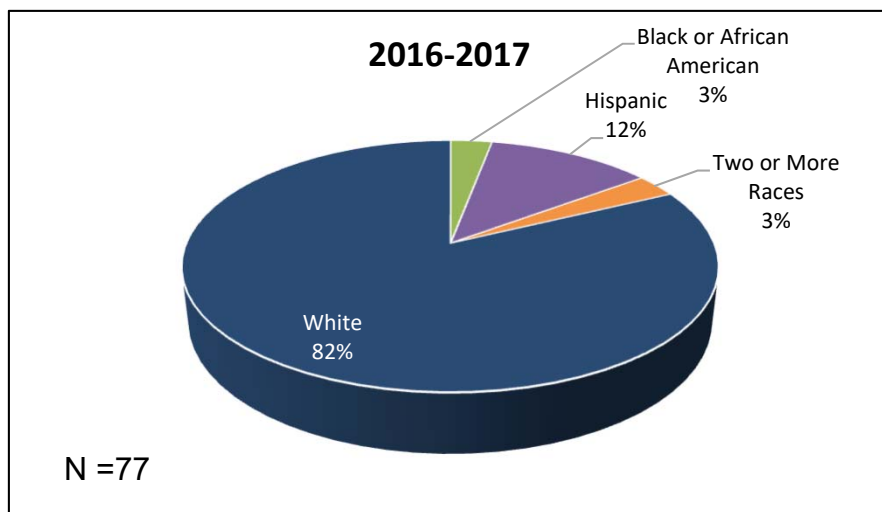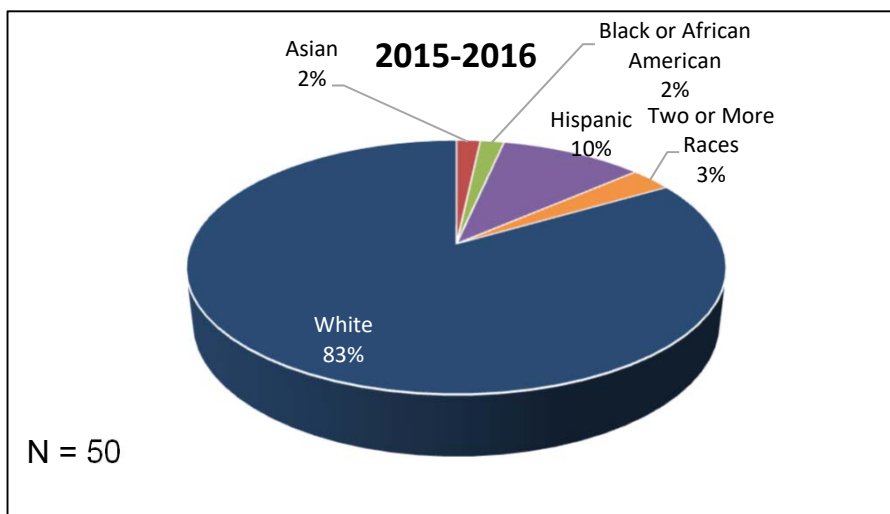
Source: IR Program Assessment Data

Gender
1072 - ELECTRICIAN APPR - UNION

Major	2014-2015		2015-2016		2016-2017		2017-2018	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	60%	40%	60%	40%	60%	40%	58%	39%

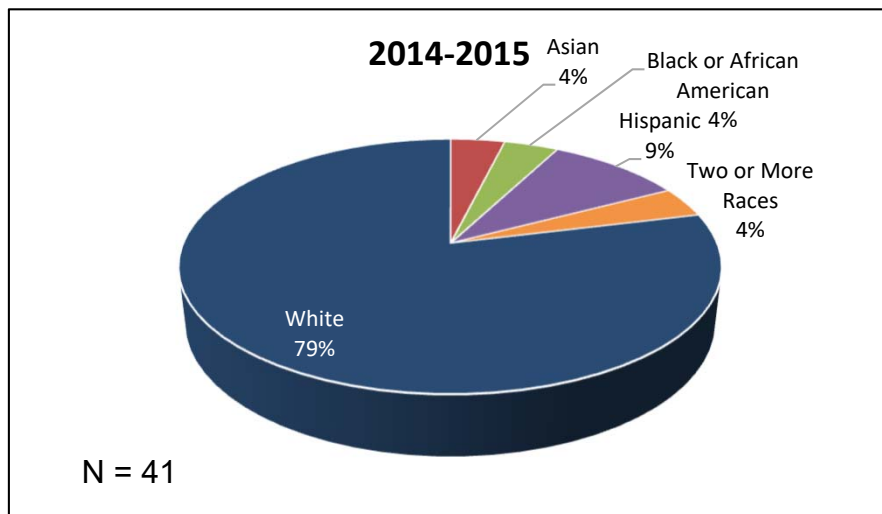Excludes individuals whose gender is not reported.

Source: IR Program Assessment Data

Race / Ethnicity by Program

2014-2015
- Asian 4%
- Black or African American 4%
- Hispanic 4%
- Two or More Races 4%
- White 79%
- N = 41

2015-2016
- Asian 2%
- Black or African American 2%
- Hispanic 10%
- Two or More Races 3%
- White 83%
- N = 50

2016-2017
- Black or African American 3%
- Hispanic 12%
- Two or More Races 3%
- White 82%
- N = 77

2017-2018
- Black or African American 6%
- Hispanic 12%
- Two or More Races 2%
- White 80%
- N = 85

DSC Averages 2017-2018			
Black or African Amer	Hispanic	2 or More Races	White
14%	19%	3%	59%

Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data