

# ASSESSMENT DAY

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College of Workforce, Continuing and Adult Education  
School of Occupational Apprenticeships  
Electrical Apprentice – Non-Union  
April 15, 2019

Strengths

Challenges

Recommendations

# 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

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

# Action Items from Last Assessment Day

## Last Assessment Day: 2/5/2018

1. Forecast the demand. Work with the contractors to understand the demand for the next year in term of the numbers of students to enter the program;
2. Invite Mr. Snyder to the monthly meetings;
3. Think about ways to change the message in the marketing of the program. “Students who persist in the program are 85% successful”.
4. Find ways to reach out those students who left the program;
5. Think ways to develop pathways for high school students;
6. Research “New Direction” grant to see how it could benefit the students.

# 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.

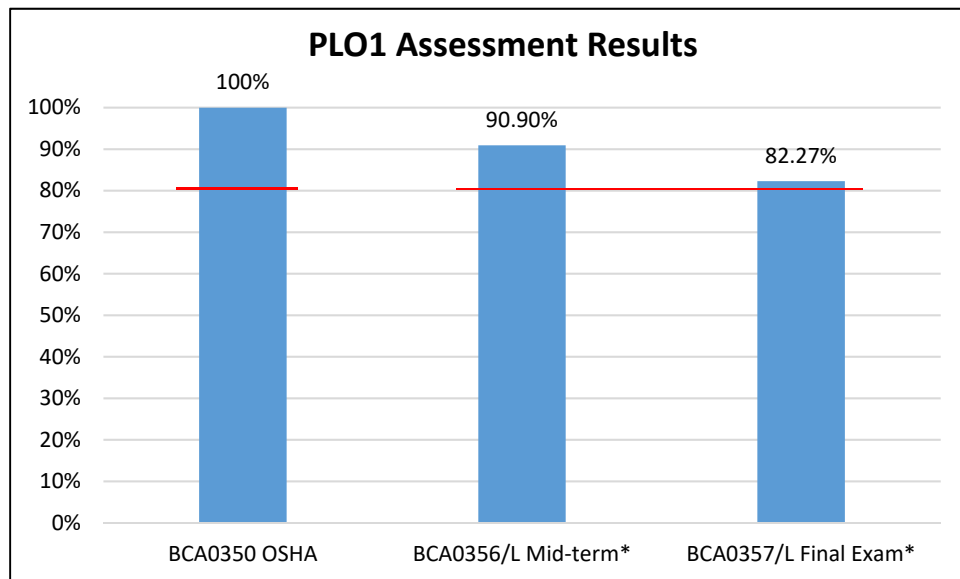
**PLO 2**: Identify and use different tools, equipment, materials and electrical products used in the trade.

**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.

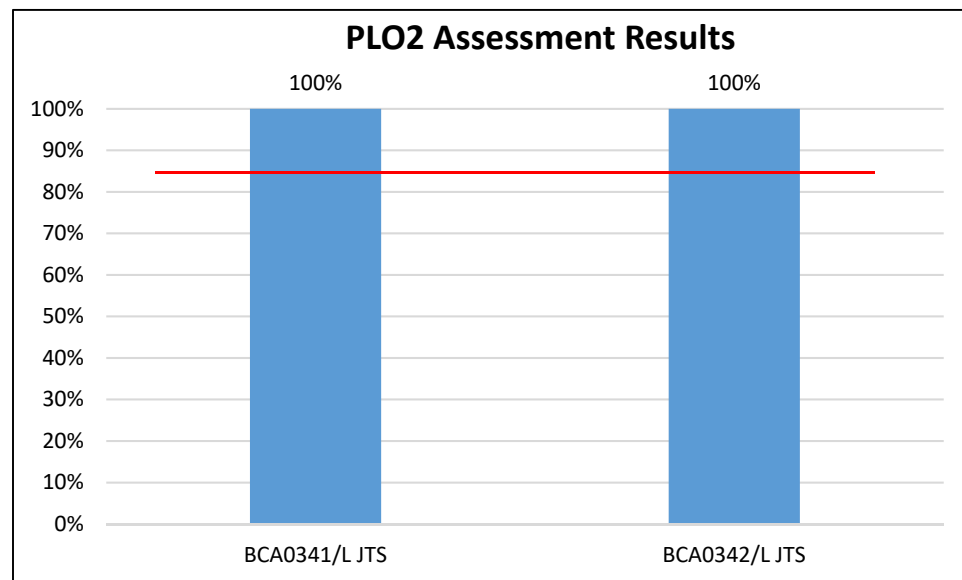
# Assessment Results 2017-2018



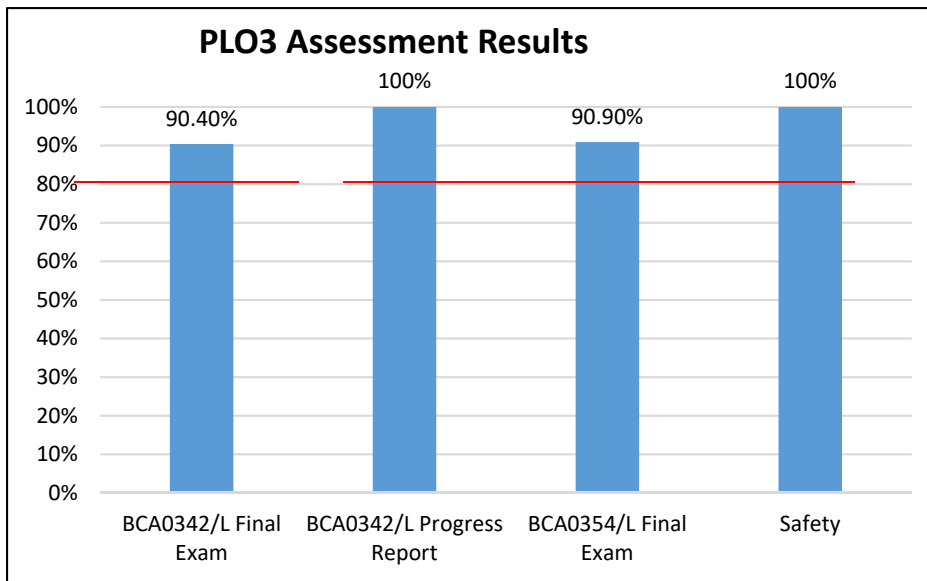
PLO1: Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code. *Target: 80% of student will pass the OSHA 80% of students will achieve 70% or higher in the Mid-term and Final Exam.*

*\*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*

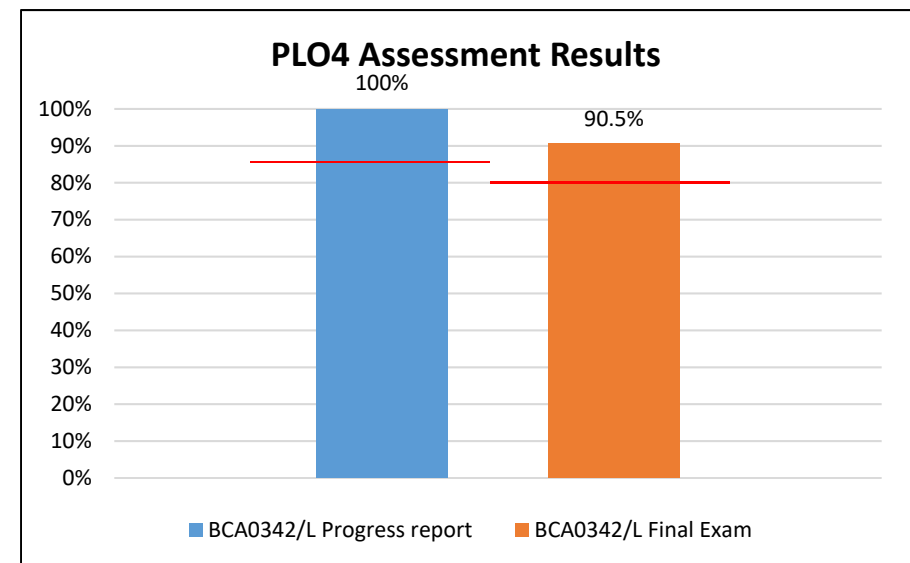


## Assessment Results 2017-2018



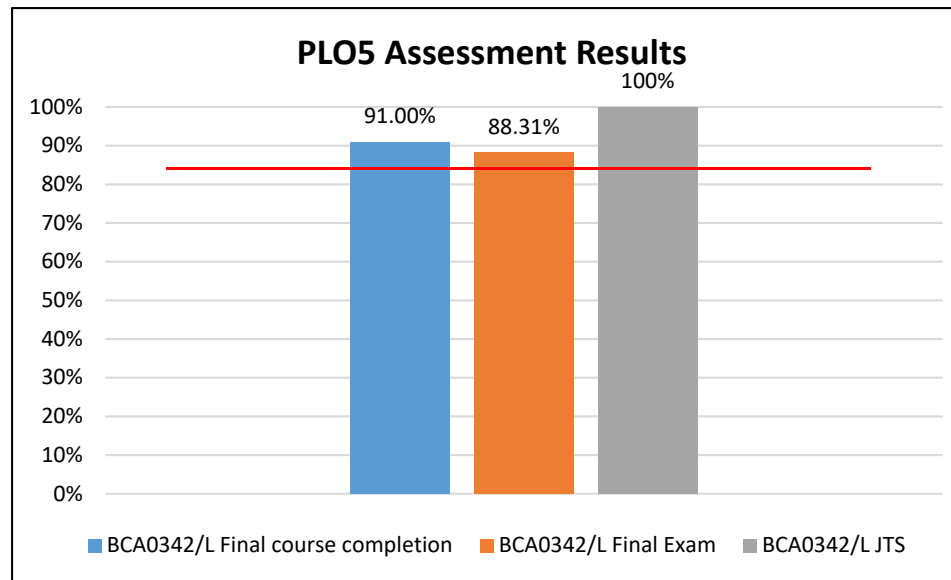
PLO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of students will achieve 70% or higher in the Final Exams. 85% of students achieving "fair" or better in the Progress Report.*

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.*





## Assessment Results 2017-2018



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	
	16/17	17/18	16/17	17/18	16/17	17/18	16/17	17/18
1071 - ELECTRICIAN APPR - NON-UNION	90.38%-100%	91%-100%	90.38%-100%	91%-100%	100%	91%-100%	100%	91%-100%

## Course Success Rates

Major and Associated Courses (All courses are Lecture at the ATC)		2014-2015		2015-2016		2016-2017		2017-2018	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1071 - ELECTRICIAN APPR - NON- UNION	BCA0340L	3	100%	4	75%	9	100%	12	100%
	BCA0341	3	100%	4	100%	9	100%	12	100%
	BCA0341L	3	67%	4	100%	9	100%	12	83%
	BCA0342	3	100%	4	100%	9	100%	12	92%
	BCA0342L	3	100%	4	100%	9	100%	11	91%
	BCA0343L	3	100%	3	100%			9	100%
	BCA0350			23	65%	21	81%	35	69%
	BCA0350L	17	100%	23	96%	21	81%	35	80%
	BCA0351	16	94%	21	76%	19	79%	26	92%
	BCA0351L	16	94%	21	95%	19	95%	25	100%
	BCA0352L	13	85%	15	87%			18	78%
	BCA0353	12	75%	13	77%	17	82%	13	77%
	BCA0353L	12	83%	13	92%	17	76%	15	80%
	BCA0354	11	91%	12	83%	14	79%	11	91%
	BCA0354L	11	91%	12	100%	14	100%	10	100%
	BCA0355L	7	100%	9	100%			14	71%
	BCA0356	6	50%	10	60%	12	100%	12	83%
	BCA0356L	6	83%	10	90%	12	100%	14	71%
	BCA0357	5	80%	9	100%	12	100%	10	90%
	BCA0357L	5	80%	9	100%	12	100%	10	90%
<b>Major Total</b>		<b>363</b>	<b>88%</b>	<b>192</b>	<b>86%</b>	<b>235</b>	<b>90%</b>	<b>316</b>	<b>85%</b>

■ 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
1071 - Electrician - Non-Union	316	85%
BCA0340L	12	100%
Black	1	100%
Hispanic	1	100%
White	10	100%
BCA0341	12	100%
Black	1	100%
Hispanic	1	100%
White	10	100%
BCA0341L	12	83%
Black	1	100%
Hispanic	1	100%
White	10	80%
BCA0342	12	92%
Black	1	100%
Hispanic	1	100%
White	10	90%
BCA0342L	11	91%
Black	1	100%
Hispanic	1	100%
White	9	89%
BCA0343L	9	100%
Hispanic	3	100%
Unknown/Prefer not to answer	1	100%
White	5	100%
BCA0350	35	69%
Black	4	25%
Hispanic	9	56%
Two or More Races	1	0%
Unknown/Prefer not to answer	1	100%
White	20	85%

Program, Course, & Race/Ethnicity	# Students Enrolled	2017/18 Success Rate
BCA0350L	35	80%
Black	4	75%
Hispanic	9	78%
Two or More Races	1	100%
Unknown/Prefer not to answer	1	100%
White	20	80%
BCA0351	26	92%
Black	2	50%
Hispanic	6	83%
Unknown/Prefer not to answer	1	100%
White	17	100%
BCA0351L	25	100%
Black	2	100%
Hispanic	5	100%
Unknown/Prefer not to answer	1	100%
White	17	100%
BCA0352L	18	78%
Hispanic	5	60%
Two or More Races	1	0%
White	12	92%
BCA0353	13	77%
Hispanic	2	50%
White	11	82%
BCA0353L	15	80%
Hispanic	3	67%
Two or More Races	1	0%
White	11	91%
BCA0354	11	91%
Hispanic	2	50%
White	9	100%
BCA0354L	10	100%
Hispanic	1	100%
White	9	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
<b>BCA0355L</b>	<b>14</b>	<b>71%</b>
Black	1	0%
Hispanic	4	100%
Unknown/Prefer not to answer	4	50%
White	5	80%
<b>BCA0356</b>	<b>12</b>	<b>83%</b>
Hispanic	4	100%
Unknown/Prefer not to answer	4	75%
White	4	75%
<b>BCA0356L</b>	<b>14</b>	<b>71%</b>
Black	1	0%
Hispanic	4	100%
Unknown/Prefer not to answer	4	75%
White	5	60%
<b>BCA0357</b>	<b>10</b>	<b>90%</b>
Hispanic	4	100%
Unknown/Prefer not to answer	3	100%
White	3	67%
<b>BCA0357L</b>	<b>10</b>	<b>90%</b>
Hispanic	4	100%
Unknown/Prefer not to answer	3	100%
White	3	67%

 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	19	63%
Hispanic	70	83%
Two or More Races	4	25%
Unknown/Prefer not to answer	23	83%
White	200	90%
<b>Grand Total</b>	<b>316</b>	<b>85%</b>

 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			2017-2018							
			A	B	C	D	F	FN	W	W1
1071 - ELECTRICIAN APPR - NON- UNION	Summer 2017	BCA0340L	8	3	1	0	0	0	0	0
		BCA0343L	6	1	2	0	0	0	0	0
		BCA0352L	6	8	0	3	0	1	0	0
		BCA0355L	6	4	0	4	0	0	0	0
	Summer 2017 Total		26(49.1%)	16(30.2%)	3(5.7%)	7(13.2%)	0(0%)	1(1.9%)	0(0%)	0(0%)
	Fall 2017	BCA0341	5	7	0	0	0	0	0	0
		BCA0341L	6	4	0	2	0	0	0	0
		BCA0350	10	11	3	9	2	0	0	0
		BCA0350L	16	9	3	2	5	0	0	0
		BCA0353	3	7	0	0	3	0	0	0
		BCA0353L	8	3	1	0	1	0	2	0
		BCA0356	4	6	0	1	0	0	1	0
		BCA0356L	3	6	1	0	1	0	3	0
	Fall 2017 Total		55(37.2%)	53(35.8%)	8(5.4%)	14(9.5%)	12(8.1%)	0(0%)	6(4.1%)	0(0%)
	Spring 2018	BCA0342	5	6	0	0	0	0	1	0
		BCA0342L	8	2	0	1	0	0	0	0
		BCA0351	17	7	0	1	0	0	1	0
		BCA0351L	9	10	6	0	0	0	0	0
		BCA0354	8	2	0	0	0	0	1	0
		BCA0354L	5	4	1	0	0	0	0	0
		BCA0357	4	4	1	0	1	0	0	0
		BCA0357L	5	2	2	0	1	0	0	0
	Spring 2018 Total		61(53%)	37(32.2%)	10(8.7%)	2(1.7%)	2(1.7%)	0(0%)	3(2.6%)	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
1071 - ELECTRICIAN APPR - NON- UNION	BCA0340L							1	12
	BCA0341	1	3	1	4	1	9	1	12
	BCA0342	1	3	1	4	1	9	1	12
	BCA0350	1	17	1	23	1	21	1	35
	BCA0351	1	16	1	21	1	19	1	26
	BCA0353	1	12	1	13	1	17	1	13
	BCA0354	1	11	1	12	1	14	1	11
	BCA0356	1	6	1	10	1	12	1	12
	BCA0357	1	5	1	9	1	12	1	10

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	%	
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%
	2016	57	9	48	1	2%	39	81%	83%

### 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

## Retention Rates by Race/Ethnicity

Major	Cohort	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						N	%
1071 ELECTRICIAN APPR - NON- UNION	FA15 to FA16	Black	2	1	1	1	100%
		Hispanic	8	0	8	8	100%
		White	34	3	31	22	71%
	FA16 to FA17	Black	2	0	2	2	100%
		Hispanic	13	3	10	8	80%
		Two or More Races	1	0	1	1	100%
		White	36	5	31*	24	77%

*\*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%	\$**,***

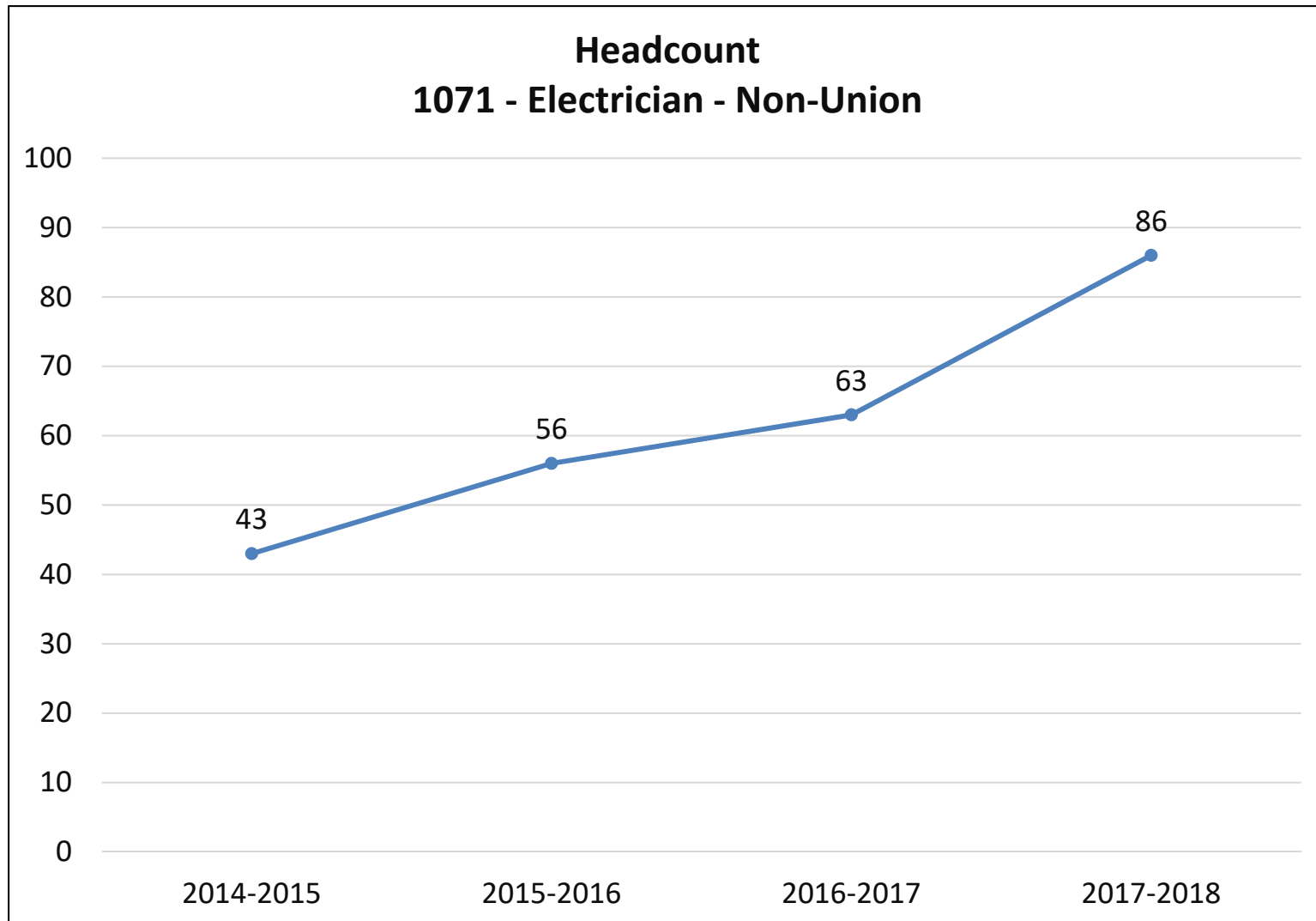
■ Indicates the College average above the State Averages  
■ Indicates the College average same as the State Averages  
■ Indicates the College average below the State Averages

\*Currently Inactive Program

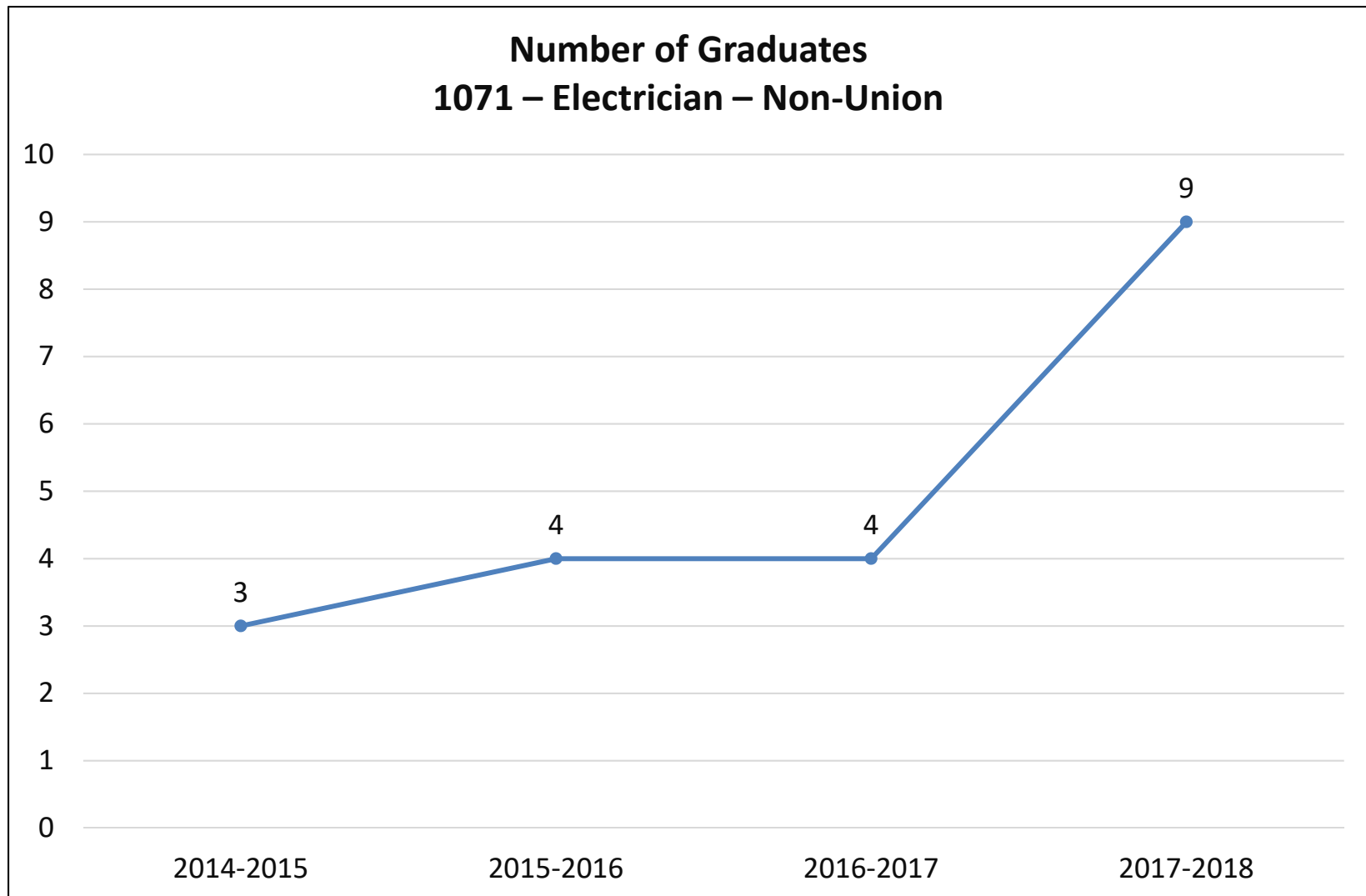
N/A - No placement data for the program.

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

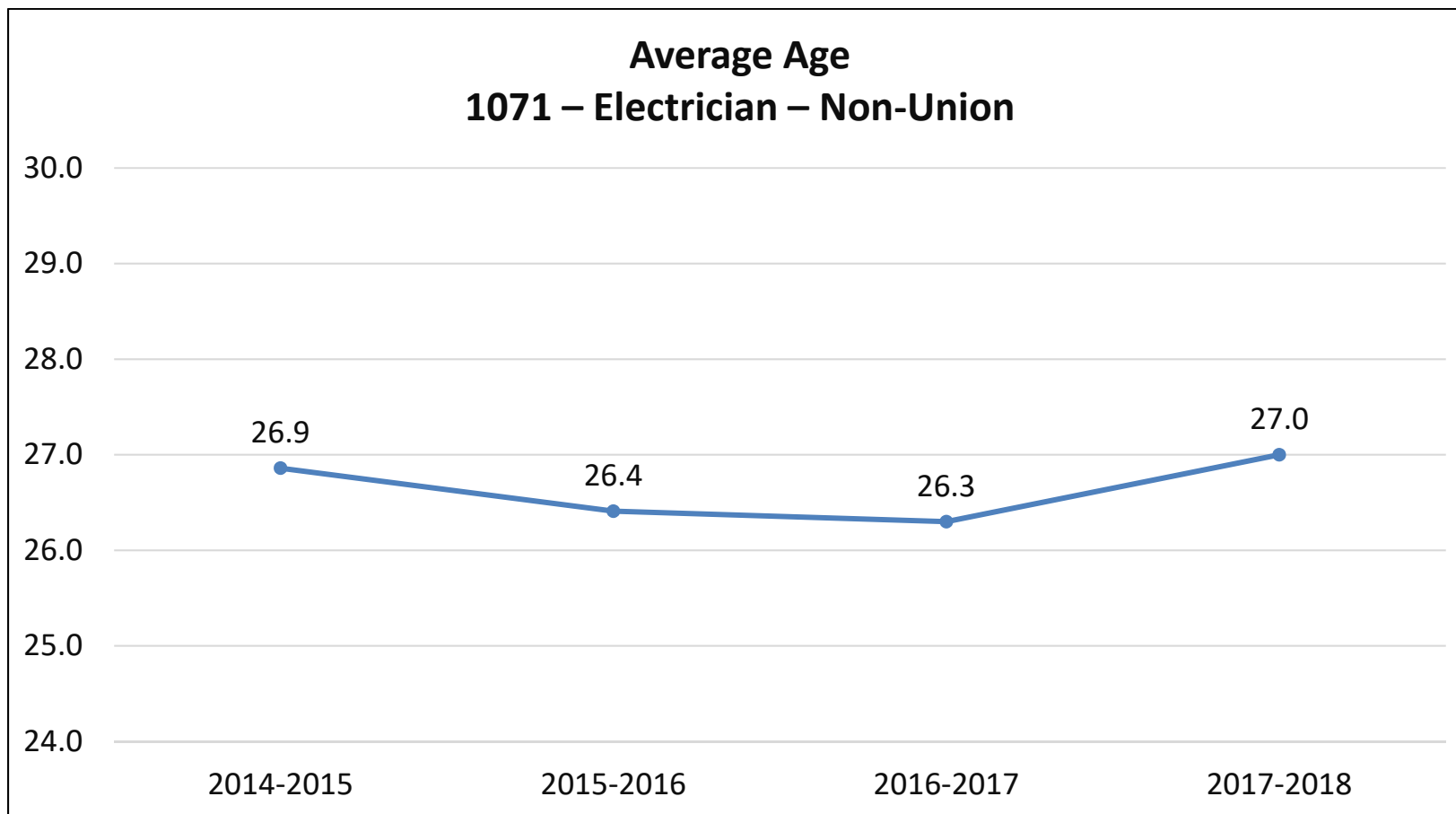
Source: IR Program Assessment Data



*College Enrollment Decreased: 0.7%(14/15); 1.15% (15/16); 3.7%(16/17); 0.7%(17/18)*



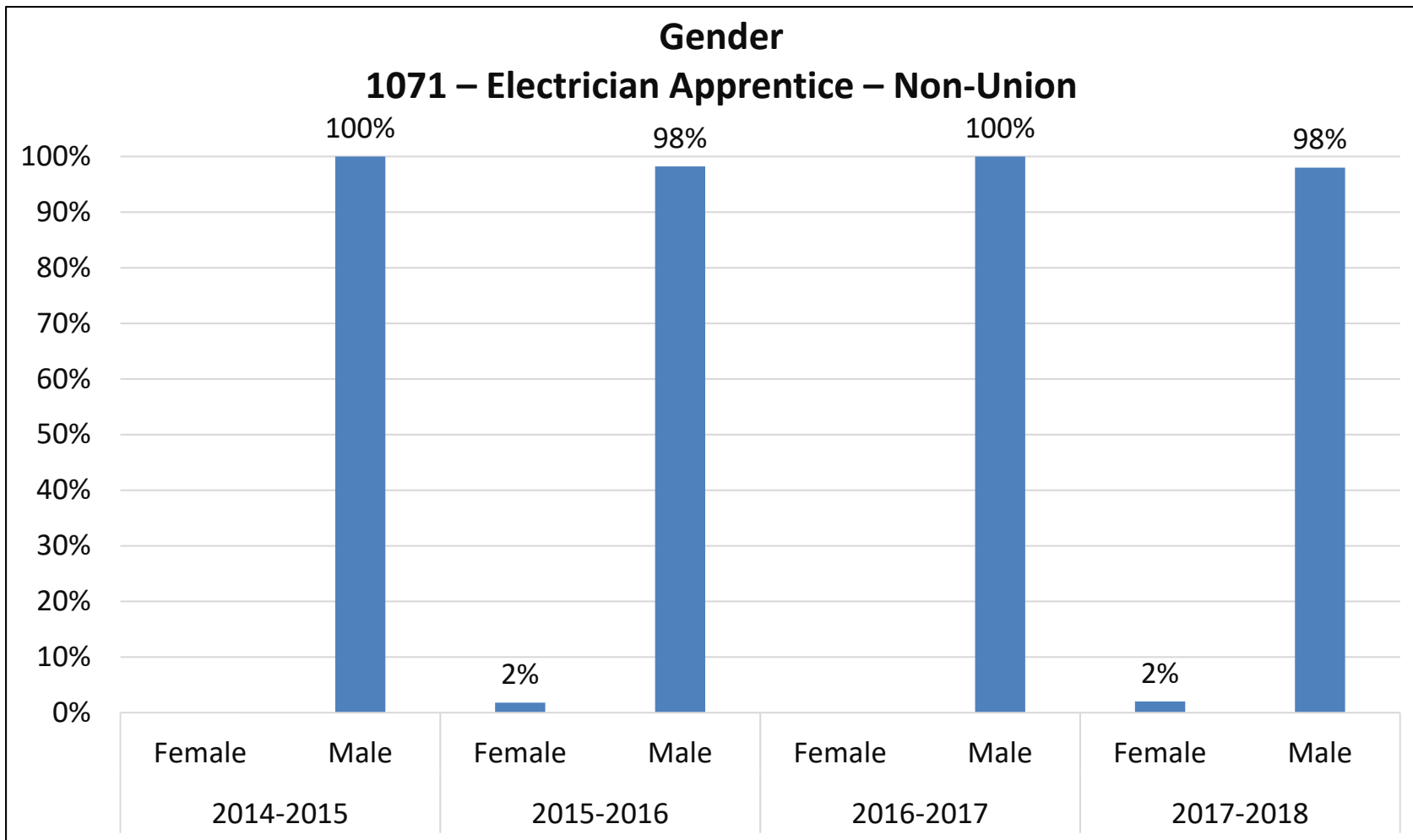
Source: IR Program Assessment Data



	2014-2015	2015-2016	2016-2017	2017-2018
<b>Daytona State College</b>	26.4	26	27	27

Calculation excludes individuals whose birthdates are not reported.

Source: IR Program Assessment Data

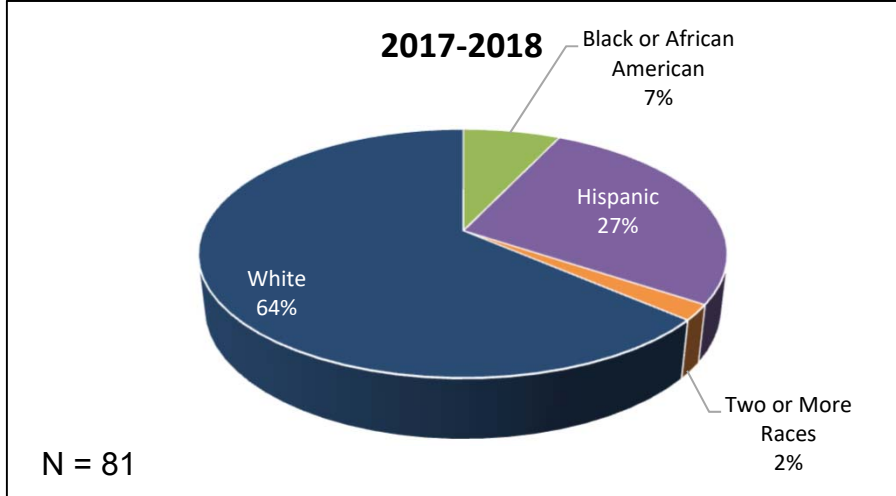
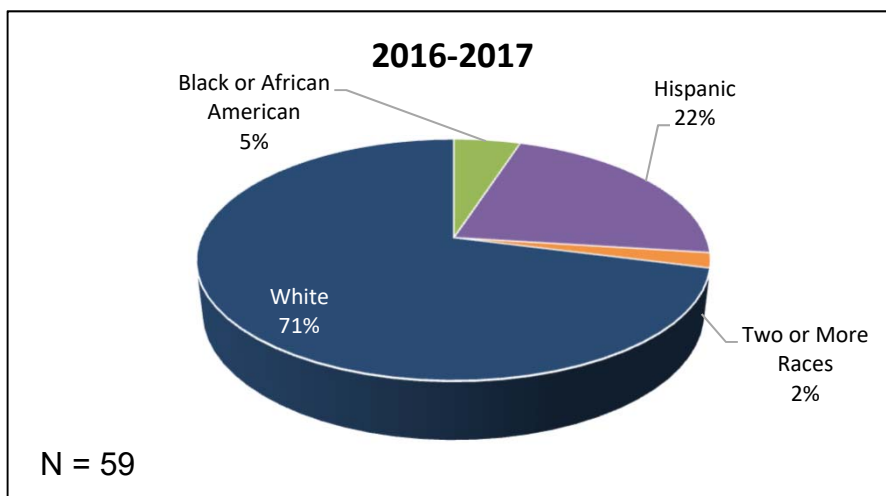
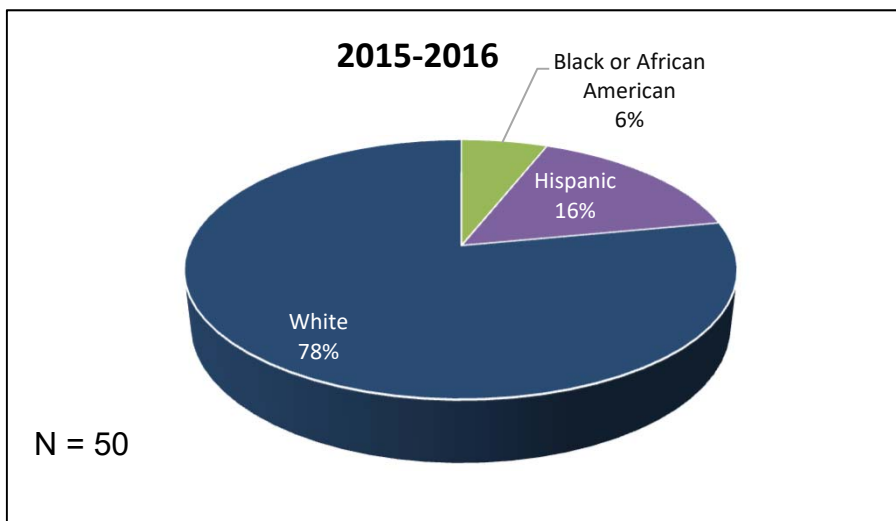
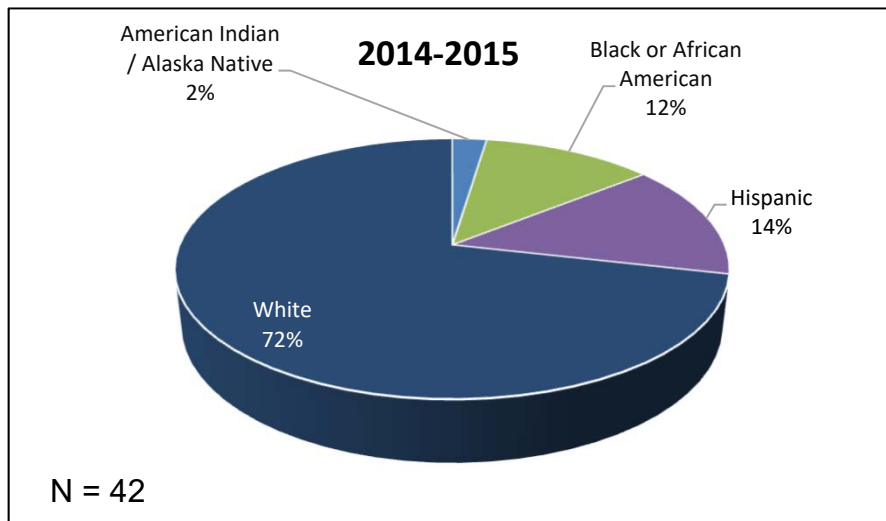


Major	2014-2015		2015-2016		2016-2017		2017-2018	
	Female	Male	Female	Male	Female	Male	Female	Male
<b>Daytona State College</b>	<b>60%</b>	<b>40%</b>	<b>60%</b>	<b>40%</b>	<b>60%</b>	<b>40%</b>	<b>58%</b>	<b>39%</b>

Excludes individuals whose gender is not reported.

Source: IR Program Assessment Data

## Race / Ethnicity by Program



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

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