

# ASSESSMENT DAY

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College of Workforce, Continuing and Adult Education  
School of Occupational Apprenticeships  
Plumbers Apprentice  
February 7, 2018

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

[1070 - Plumbers Apprentice - Union](#)

# Action Items from Last Assessment Day

Last Assessment Day: 3/7/2017

1. 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).
2. Research possibility of creating an advising model through Perkins.
3. Reach out to the community and administrators.
4. Speaking to customers and clients.

# Plumbers Apprentice #1070 Program Learning Outcomes

Graduates of the program will be able to:

**PLO 1**: Demonstrate the ability to follow rules, building codes, and be OSHA certified by the local Plumbers and Pipefitters Union.

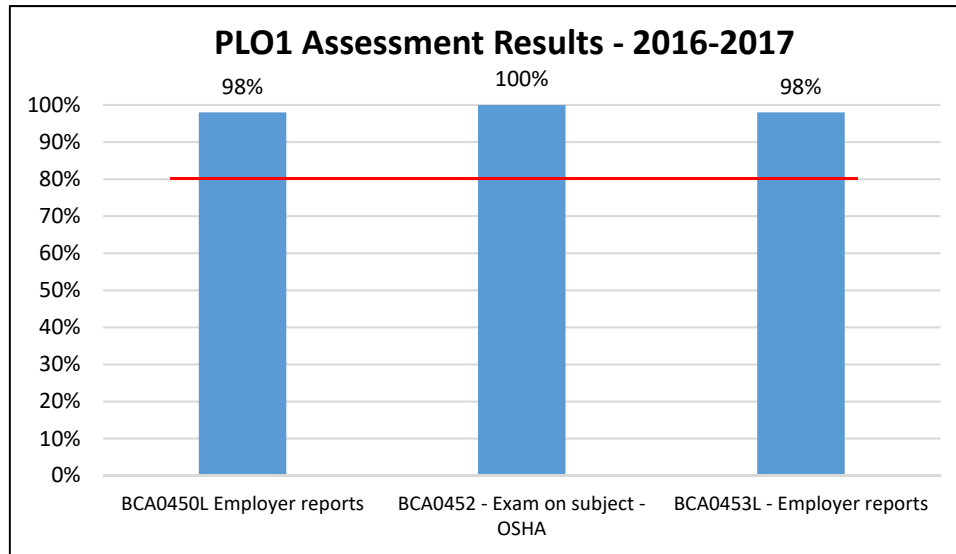
**PLO 2**: Demonstrate proper usage of different tools, equipment, materials and products used in the trade.

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

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

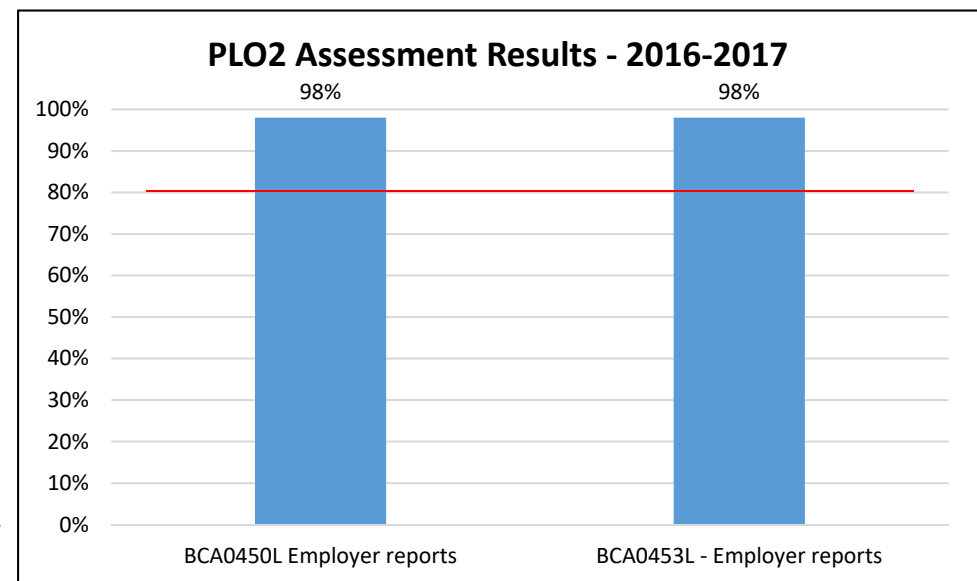
**PLO 5**: Demonstrate the ability to develop and implement projects related to the field.

## Assessment Results 2016-2017

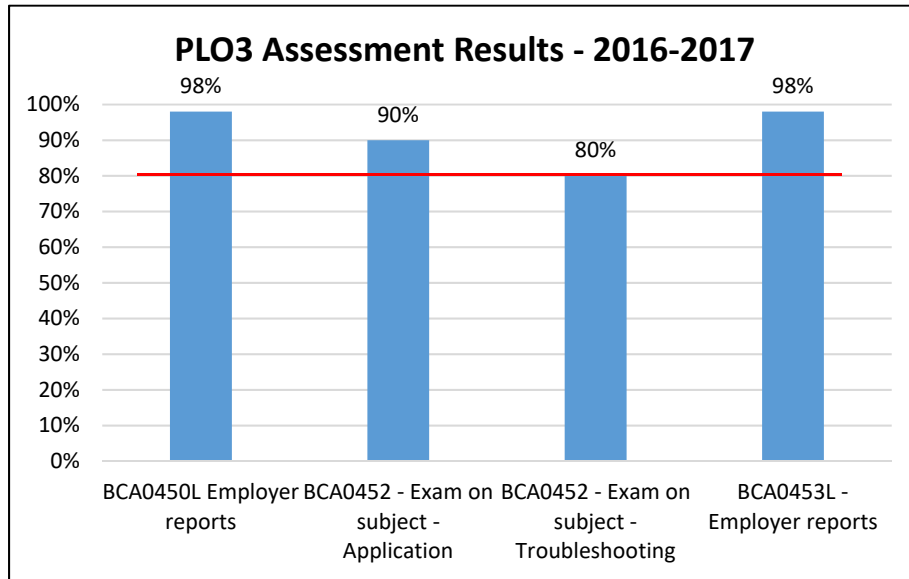


PLO1: Demonstrate the ability to follow rules, building codes, and be OSHA certified by the local Plumbers and Pipefitters Union. *Target: 80% of student will pass the OSHA. 80% of students will achieve satisfactory employer reports.*

PLO2: Demonstrate proper usage of different tools, equipment, materials and products used in the trade. *Target: 80% of students will achieve satisfactory employer reports.*

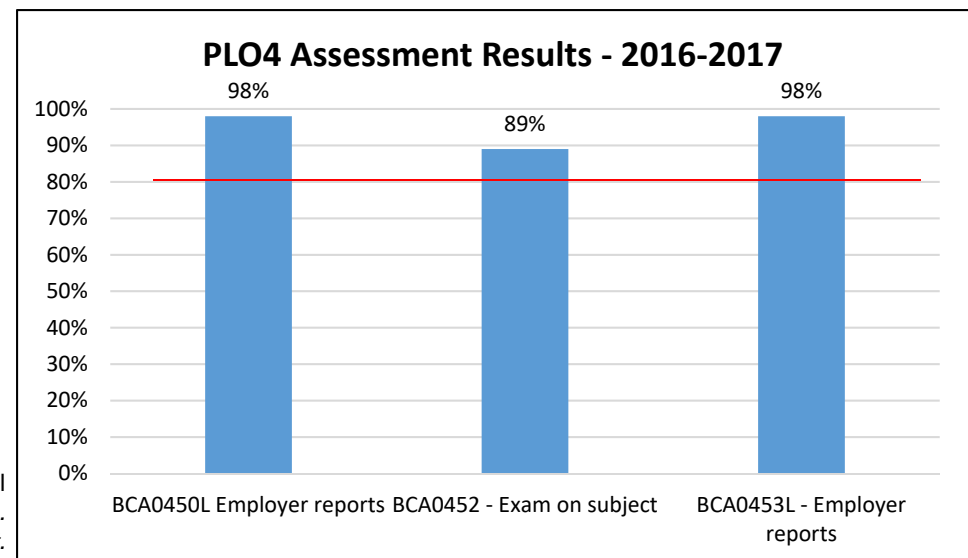


## Assessment Results 2016-2017



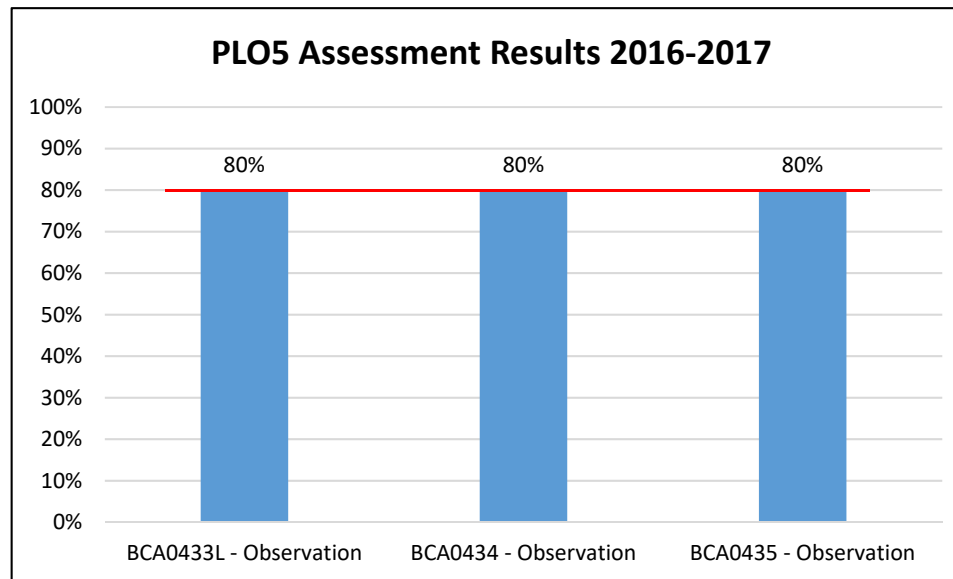
PLO3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of students will achieve satisfactory employer reports. 80% of student will pass exam on subject.*

PLO4: Demonstrate skills in the residential, commercial and industrial markets. *Target: 80% of students will achieve satisfactory employer reports. 80% of student will pass exam on subject.*





## Assessment Results 2016-2017



PLO5: Demonstrate the ability to develop and implement projects related to the field.  
*Target: 80% of students will achieve 80% or higher in all assessment measures*

## 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
<b>1070 - PLUMBERS APPRENTICE - UNION</b>	100%*	80%-98%	100%*	98%-100%	NR	80%-98%	100%*	80%-98%

\*: Missing one assessment result

NR: No Report

## Course Success Rates

Major and Associated Courses		2013-2014		2014-2015		2015-2016		2016-2017	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1070 - PLUMBERS APPRENTICE - UNION	BCA0431	5	100%						
	BCA0431L	5	100%						
	BCA0432	5	80%					1	100%
	BCA0432L	5	80%					1	100%
	BCA0433L	5	100%			5	100%		
	BCA0434	5	100%	5	80%			1	100%
	BCA0434L	5	100%	5	80%			1	100%
	BCA0435			5	100%				
	BCA0435L			5	100%				
	BCA0450L					28	100%	13	100%
	BCA0451					26	96%	13	100%
	BCA0451L					26	96%	13	100%
	BCA0452			33	85%	14	79%	22	82%
	BCA0452L			33	85%	14	86%	22	86%
	BCA0453L							22	95%
	BCA0454							21	100%
	BCA0454L							21	100%
	BCA0455					26	35%	13	85%
	BCA0455L					26	85%	13	92%
	BCA0456L	5	100%					1	100%
	BCA0457								
	BCA0457L							1	100%
	BCA0458	1	100%					22	86%
BCA0458L			1	100%			22	95%	
BCA0459L			6	100%	1	100%			
<b>Total</b>	<b>41</b>	<b>95%</b>	<b>93</b>	<b>87%</b>	<b>166</b>	<b>83%</b>	<b>223</b>	<b>93%</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 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
1070 - PLUMBERS APPRENTICE - UNION	DIS	1	100%	1	100%	1	100%		
	Lab							35	97%
	Lecture	15	93%	43	86%	66	68%	93	90%
	OJT	25	96%	49	88%	99	93%	95	95%
	<b>Total</b>	<b>41</b>	<b>95%</b>	<b>93</b>	<b>87%</b>	<b>166</b>	<b>83%</b>	<b>223</b>	<b>93%</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

## 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	
1070 - PLUMBERS APPRENTICE - UNION	Summer 2016	BCA0450L	13	0	0	0	0	0
		BCA0453L	21	0	0	0	0	0
		BCA0456L	1	0	0	0	0	0
	Summer 2016 Total		35	0	0	0	0	0
	Fall 2016	BCA0434	1	0	0	0	0	0
		BCA0434L	1	0	0	0	0	0
		BCA0451	13	0	0	0	0	0
		BCA0451L	13	0	0	0	0	0
		BCA0454	21	0	0	0	0	0
		BCA0454L	21	0	0	0	0	0
		BCA0457L	1	0	0	0	0	0
	Fall 2016 Total		71 (100%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)

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

## 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
1070 - PLUMBERS APPRENTICE - UNION	BCA0432	1	0	0	0	0	0
	BCA0432L	1	0	0	0	0	0
	BCA0452	18	1	1	2	0	0
	BCA0452L	19	0	1	2	0	0
	BCA0455	11	1	1	0	0	0
	BCA0455L	12	0	1	0	0	0
	BCA0458	19	2	0	1	0	0
	BCA0458L	21	0	0	1	0	0
	<b>Spring 2017 Total</b>	<b>102 (87.9%)</b>	<b>4 (3.4%)</b>	<b>4 (3.4%)</b>	<b>6 (5.3%)</b>	<b>0 (0%)</b>	<b>0 (0%)</b>
<b>Grand Total</b>	<b>208 (93.7%)</b>	<b>4 (1.8%)</b>	<b>4 (1.8%)</b>	<b>6 (2.7%)</b>	<b>0 (0%)</b>	<b>0 (0%)</b>	

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

## 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
1070 - PLUMBERS APPRENTICE - UNION	BCA0431	1	5						
	BCA0432	1	5					1	1
	BCA0434	1	5	1	5			1	1
	BCA0435			1	5				
	BCA0451					2	13	1	13
	BCA0452			1	33	1	14	1	22
	BAC0454							2	11
	BCA0455					2	13	1	13
	BCA0457								
	BCA0458							2	11
	<b>Total</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>14</b>	<b>5</b>	<b>13</b>	<b>9</b>	<b>10</b>

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	%	
1070 PLUMBERS APPRENTICE - UN	2011	31	0	31	0	0.00%	12	38.71%	38.71%
	2012	13	3	10	0	0.00%	10	100.00%	100.00%
	2013	10	4	6	0	0.00%	6	100.00%	100.00%
	2014	6	5	1	0	0.00%	0	0.00%	0.00%
	2015	25	0	25	0	0.00%	20	80.00%	80.00%

### 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	%
1070 PLUMBERS APPRENTICE - UN	Black	3	0	1	2	33.3%
	Hawaii/Pac	1	0	1	1	100%
	White	21	0	21	17	81%

**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 %	
PLUMBERS APPRENTICE - UNION	1070	50%	73%	40%	57%	71%	85%	100%	100%	100%	100%	\$**,***

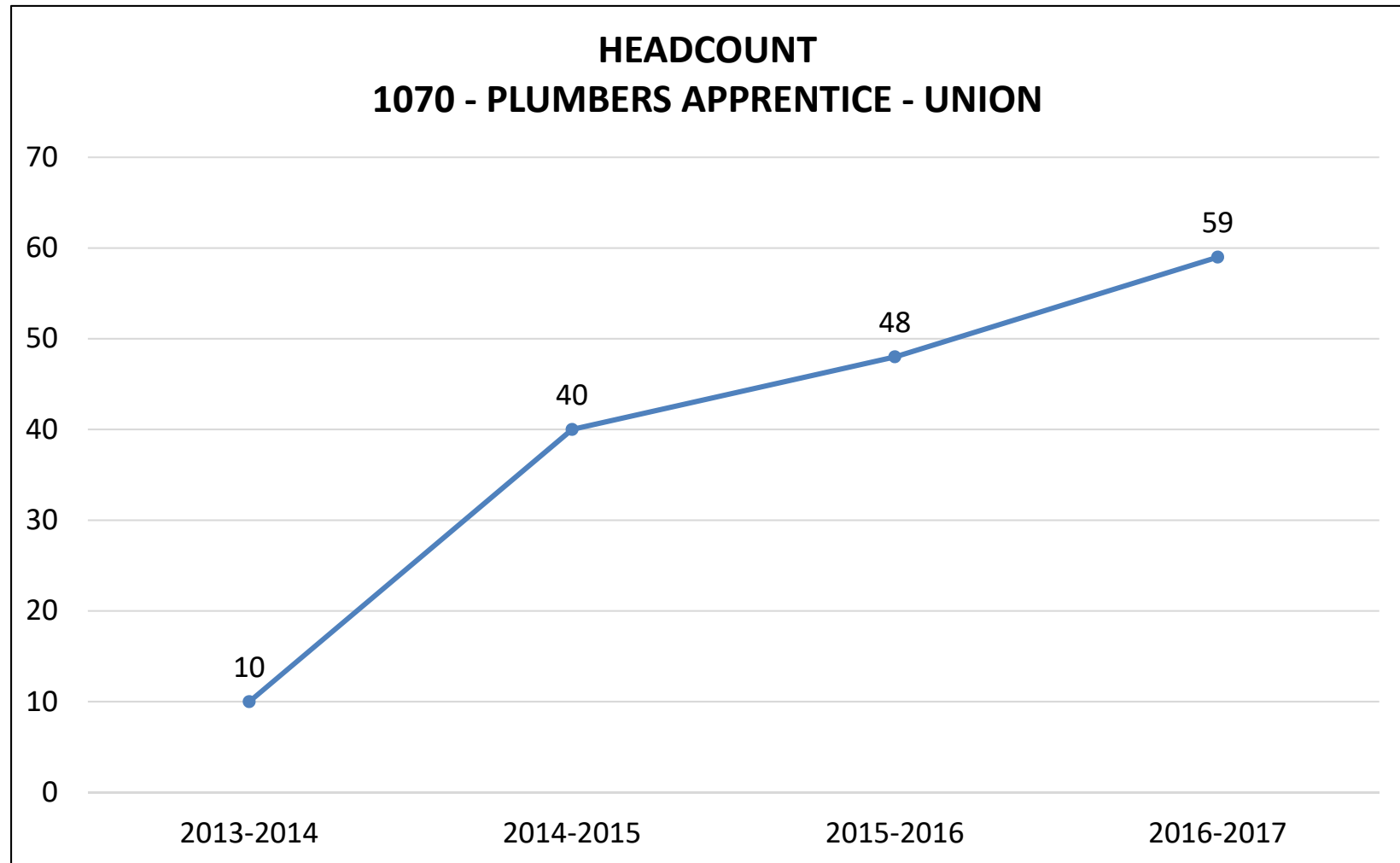
■ Indicates the College average above the State Averages  
■ Indicates the College average same as the State Averages  
■ Indicates the College average below the State Averages

\*Currently Inactive Program

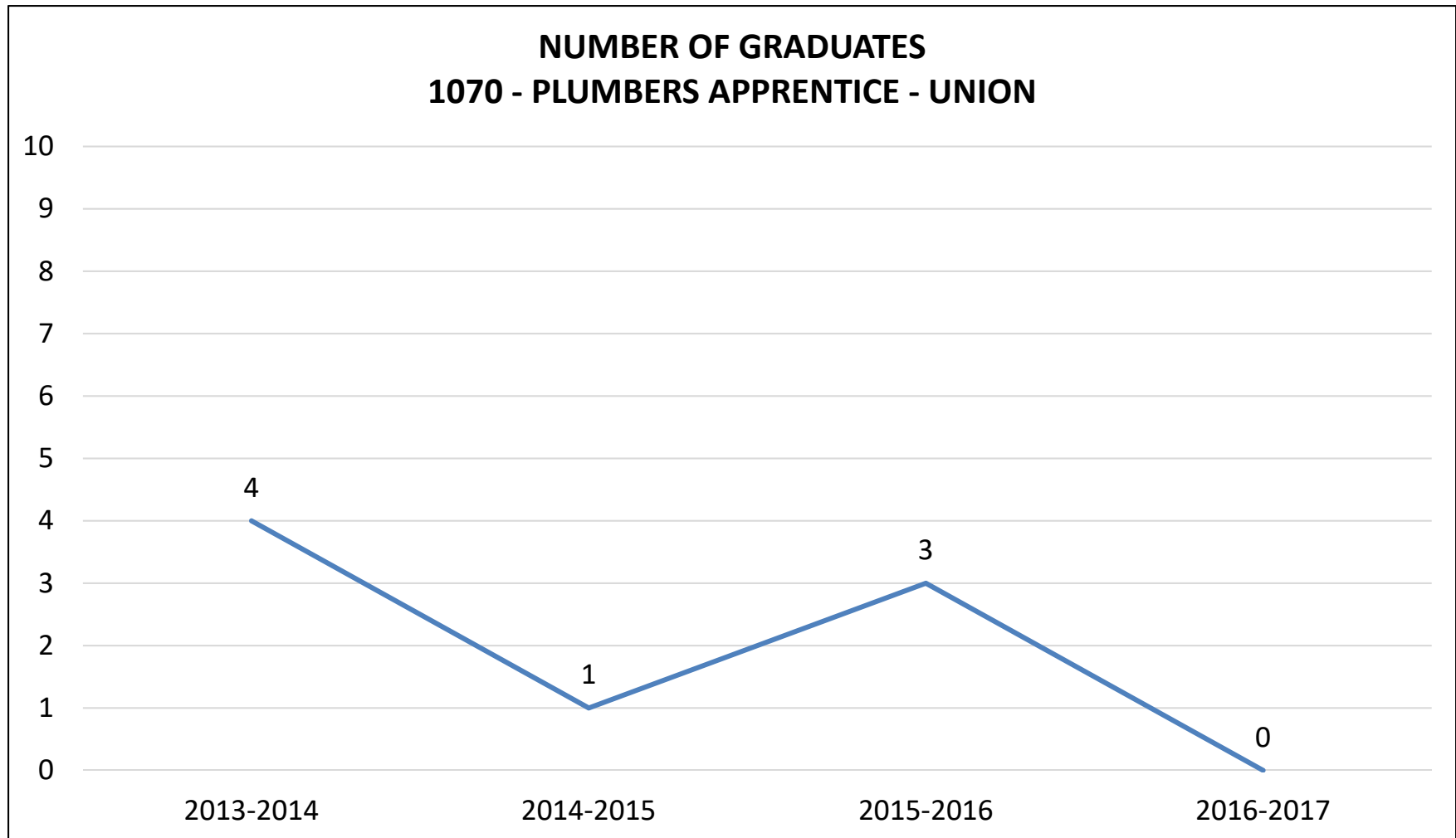
N/A - No placement data for the program.

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

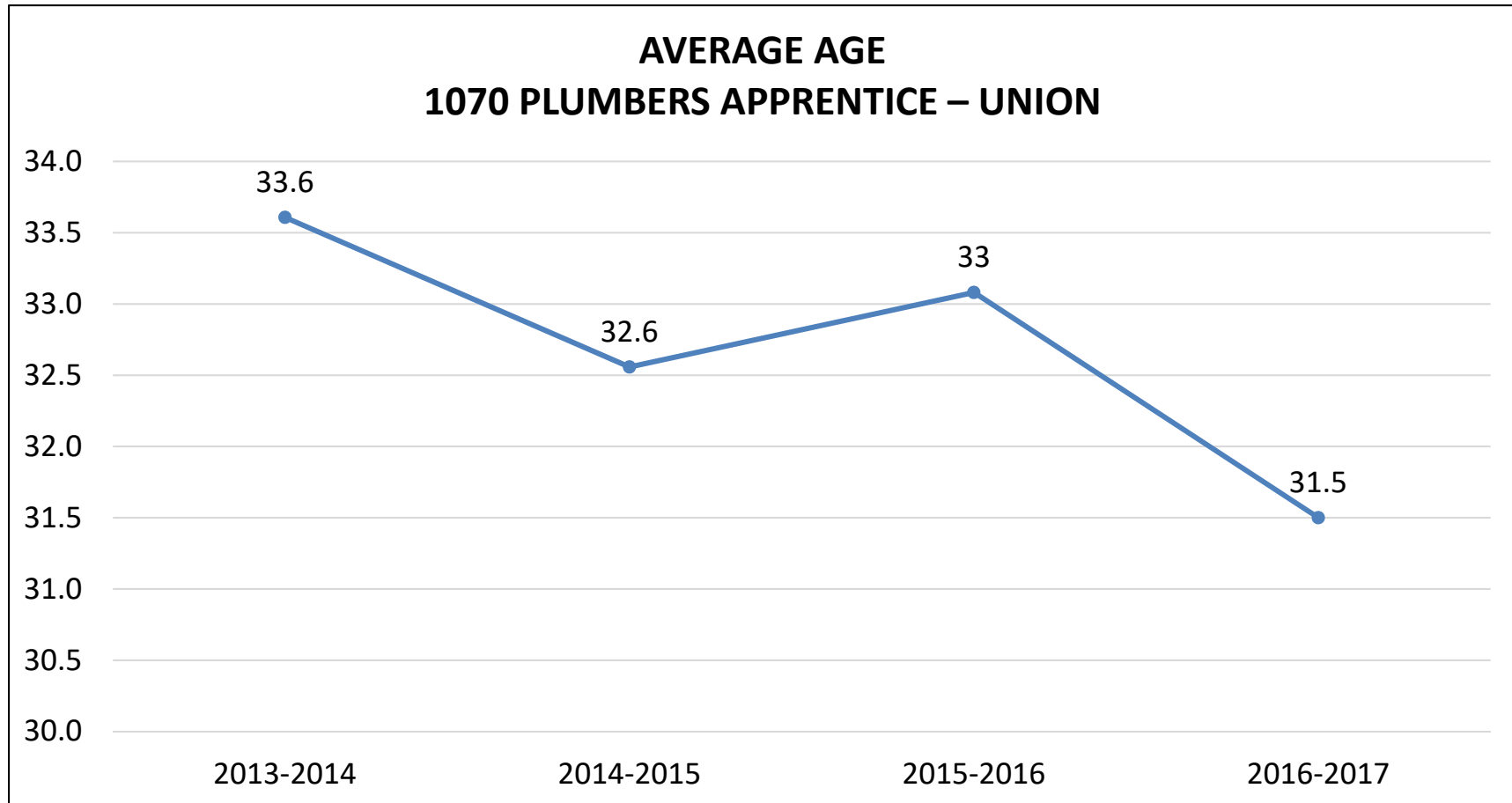
Source: IR Program Assessment Data



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



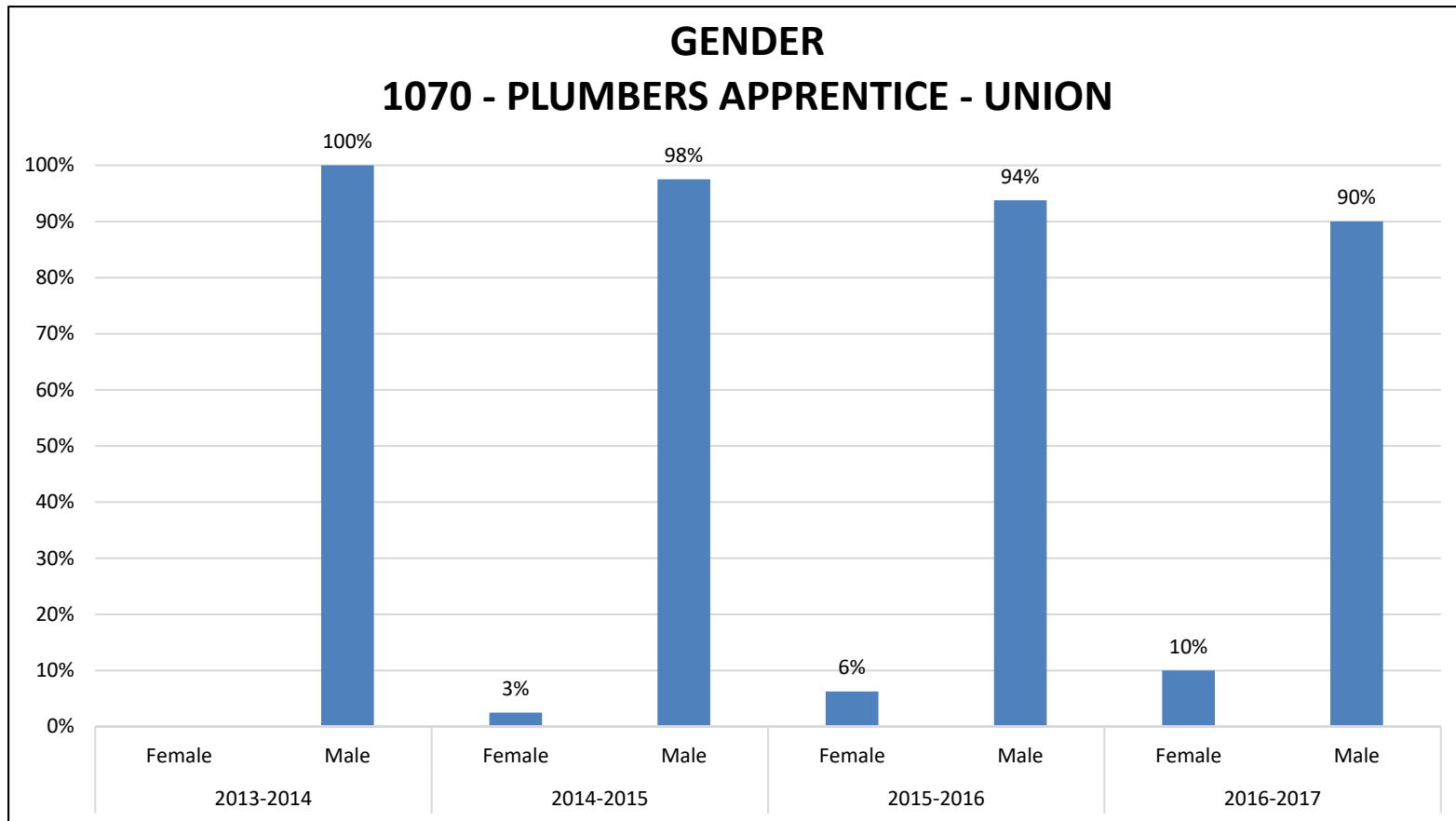
Source: IR Program Assessment Data



	2013-2014	2014-2015	2015-2016	2016-2017
<b>Daytona State College</b>	<b>26.6</b>	<b>26.4</b>	<b>26</b>	<b>27</b>

Calculation excludes individuals whose birthdates are not reported.

Source: IR Program Assessment Data

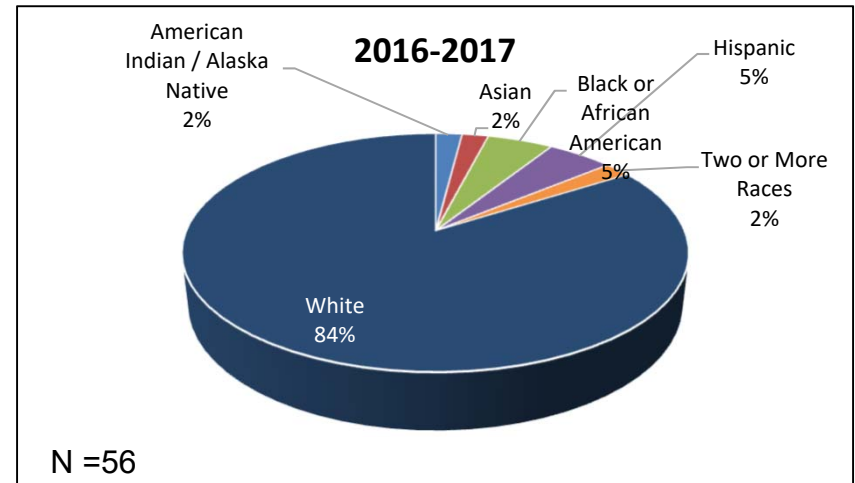
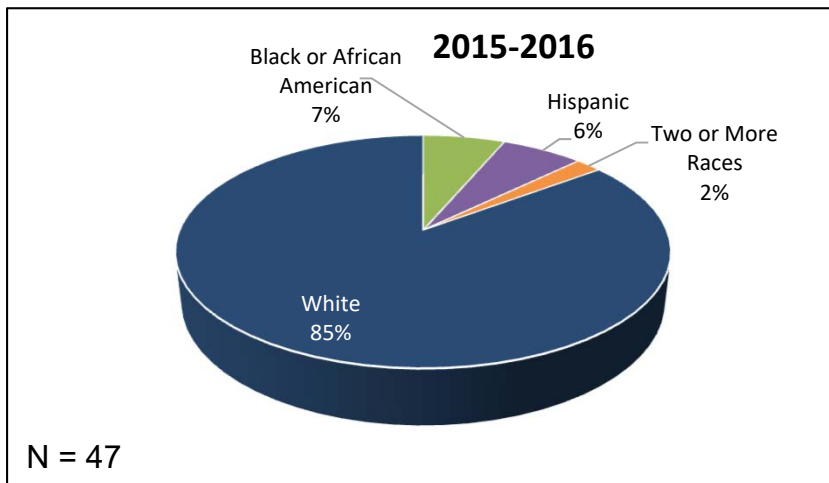
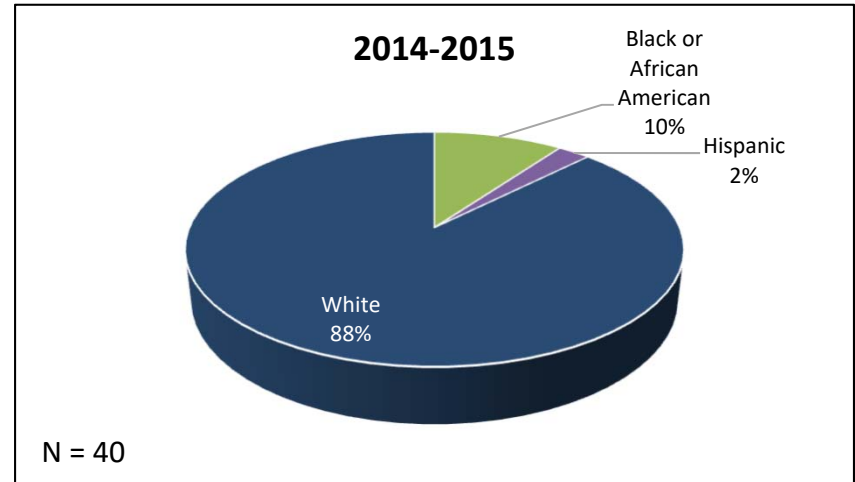
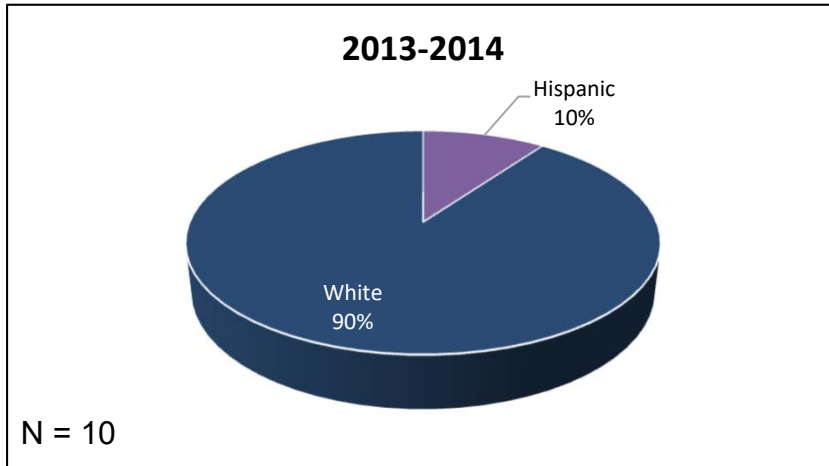


Major	2013-2014		2014-2015		2015-2016		2016-2017	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	59%	41%	60%	40%	60%	40%	60%	40%

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%	

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

Source: IR Program Assessment Data