

ASSESSMENT DAY

College of Workforce, Continuing and Adult Education
School of Occupational Apprenticeships
Plumbers Apprentice
March 7, 2017

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

[1070 - Plumbers Apprentice - 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. Plumbing specific:
 - a. Update PLOs.
 - b. Update curriculum mappings.
 - c. Revise course sequence.
 - d. IE: Plumber Apprentice data should be calendar year instead of academic year. First course taking now is BCA0452. Cohort to track SP14.

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.

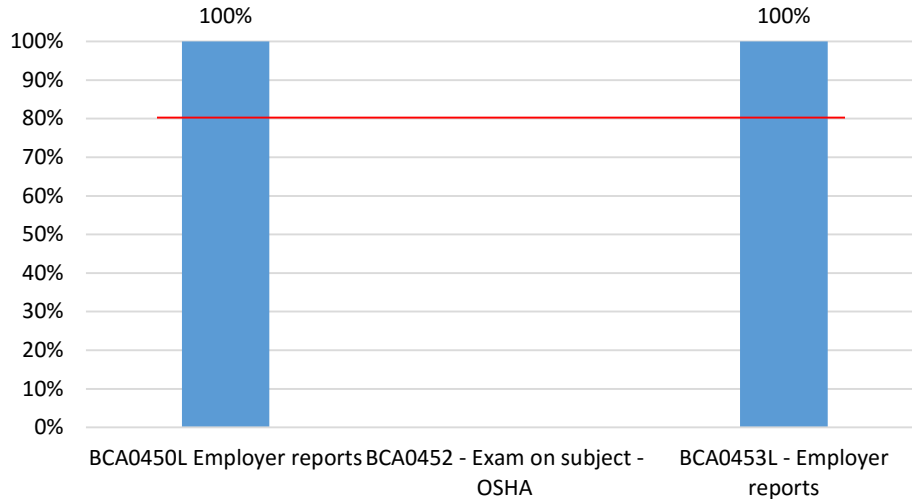
PLO 3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.

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.

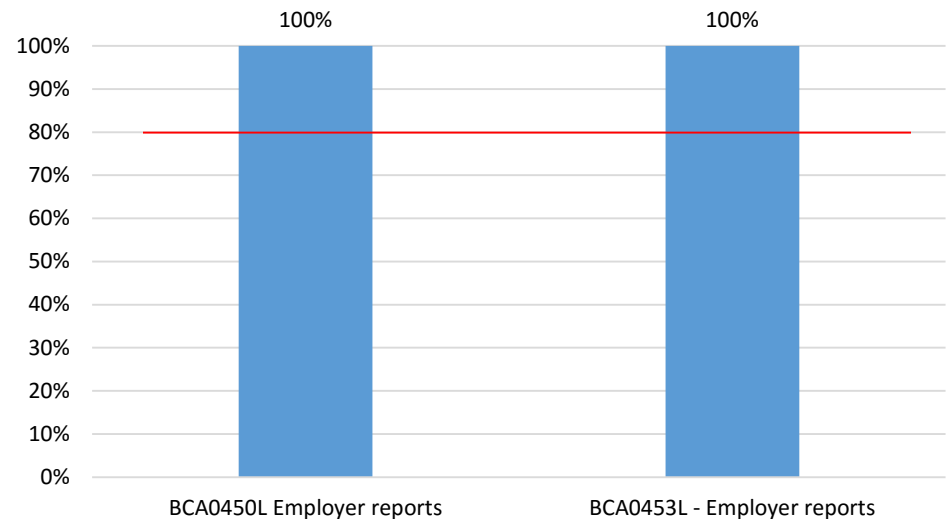
Assessment Results 2015-2016

PLO1 Assessment Results - 2015-2016



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.*

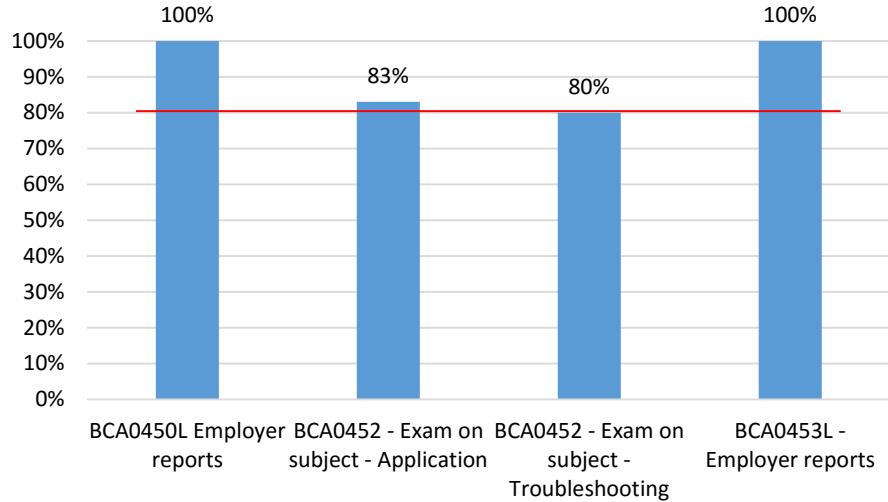
PLO2 Assessment Results - 2015-2016



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

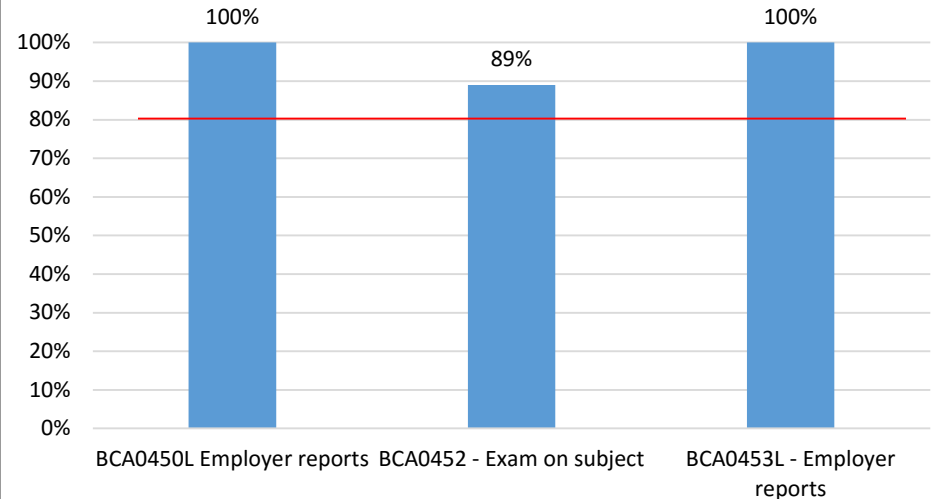
Assessment Results 2015-2016

PLO3 Assessment Results - 2015-2016



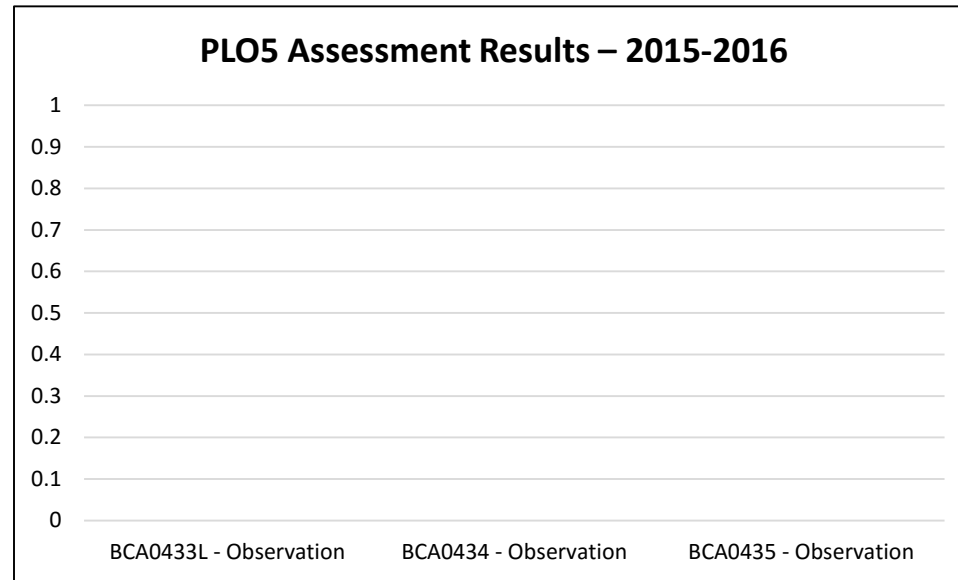
PLO3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of students will achieve satisfactory employer reports. 80% of student will pass exam on subject.*

PLO4 Assessment Results - 2015-2016



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 2015-2016



PLO5: Demonstrate the ability to develop and implement projects related to the field.
Target: Missing

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
1070 - PLUMBERS APPRENTICE - UNION	NR	100%*	NR	100%*	NR		NR	100%*

NR: No Report

**: Missing one assessment result*

Course Success Rates

Major and Associated Courses		2012-2013		2013-2014		2014-2015		2015-2016	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1070 - PLUMBERS APPRENTICE - UNION	BCA0431	6	100%	5	100%				
	BCA0431L	5	100%	5	100%				
	BCA0432			5	80%				
	BCA0432L			5	80%				
	BCA0433L	8	100%	5	100%			5	100%
	BCA0434	1	100%	5	100%	5	80%		
	BCA0434L	1	100%	5	100%	5	80%		
	BCA0435	7	86%			5	100%		
	BCA0435L	5	100%			5	100%		
	BCA0450L							28	100%
	BCA0451							26	96%
	BCA0451L							26	96%
	BCA0452					33	85%	14	79%
	BCA0452L					33	85%	14	86%
	BCA0453L	6	83%						
	BCA0455							26	35%
	BCA0455L							26	85%
	BCA0456L	1	100%	5	100%				
	BCA0457	5	100%						
	BCA0457L	5	100%						
BCA0458	5	80%	1	100%					
BCA0458L	5	100%			1	100%			
BCA0459L	4	100%			6	100%	1	100%	
	Total	64	95%	41	95%	93	87%	166	83%

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		2012-2013		2013-2014		2014-2015		2015-2016	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1070 - PLUMBERS APPRENTICE - UNION	DIS	5	100%	1	100%	1	100%	1	100%
	Lecture	20	90%	15	93%	43	86%	66	68%
	OJT	39	97%	25	96%	49	88%	99	93%
	Total	64	95%	41	95%	93	87%	166	83%



■ 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
1070 - PLUMBERS APPRENTICE - UNION	BCA0431	1	5	1	5				
	BCA0432			1	5				
	BCA0434			1	5	1	5		
	BCA0435	1	5			1	5		
	BCA0451							2	13
	BCA0452					1	33	1	14
	BCA0455							2	13
	BCA0457	1	5						
	BCA0458	1	5						
	Total	4	5	3	5	3	14	5	13

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%

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.

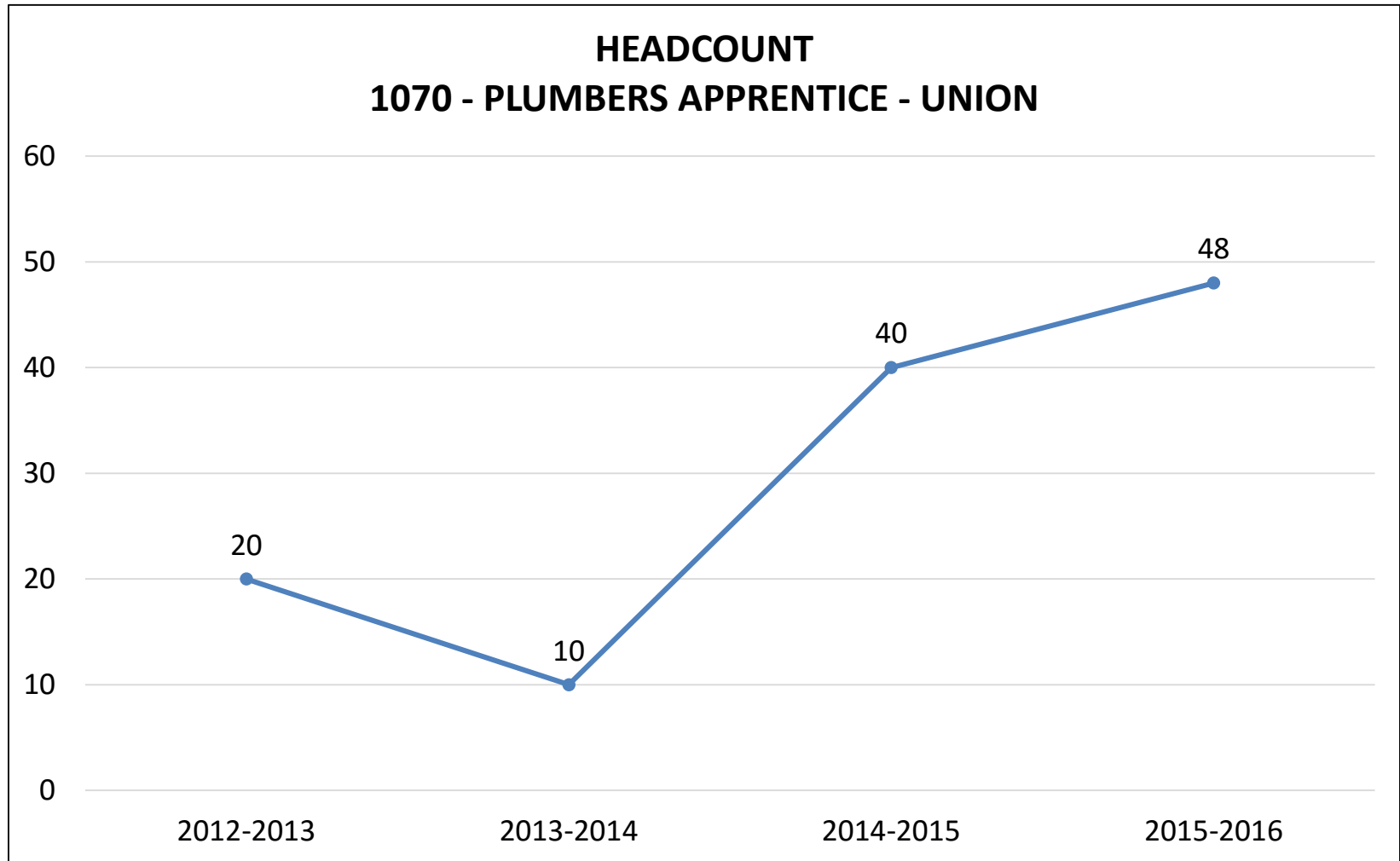
Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

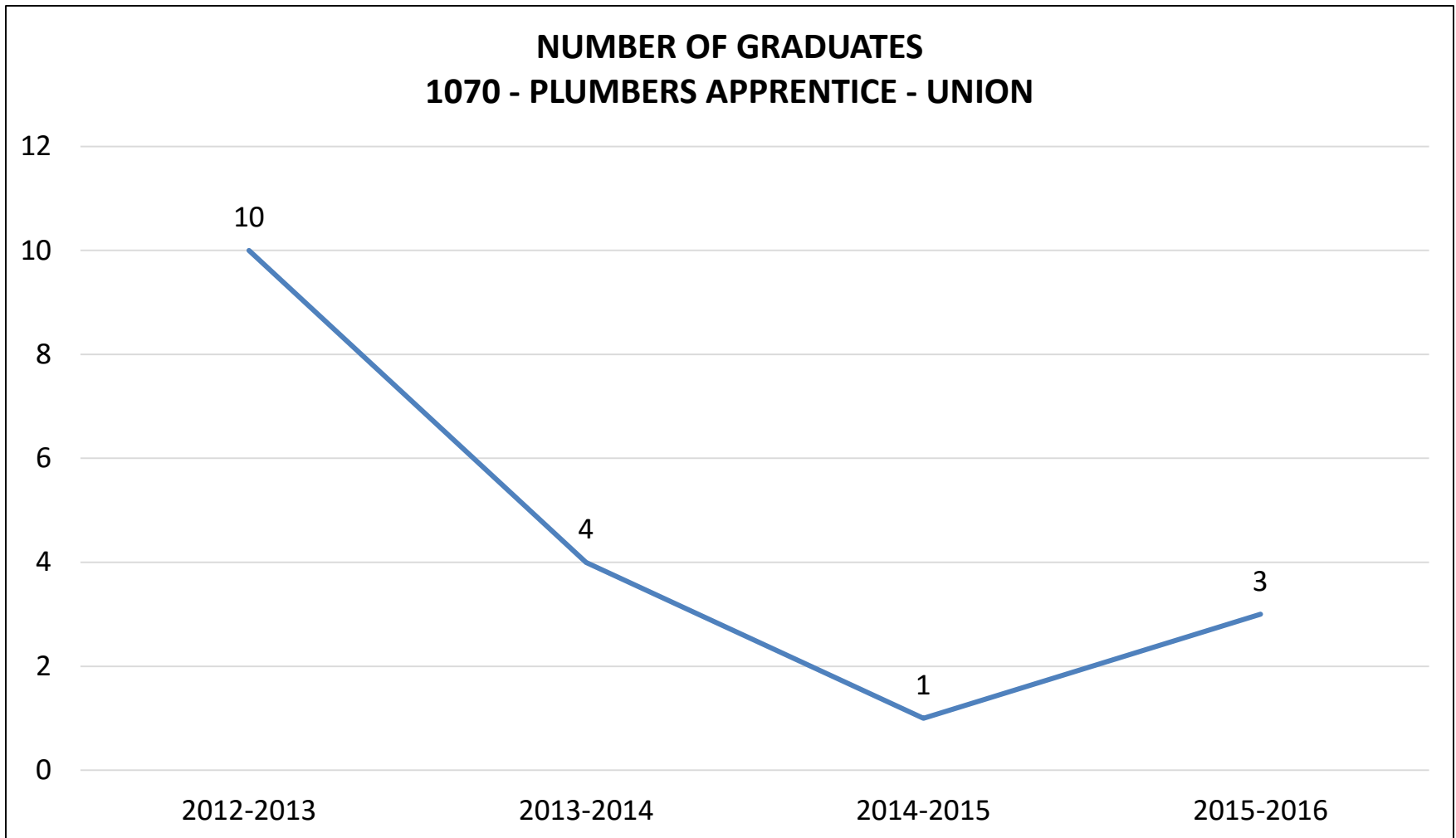
Performance Funding - Placement Rates

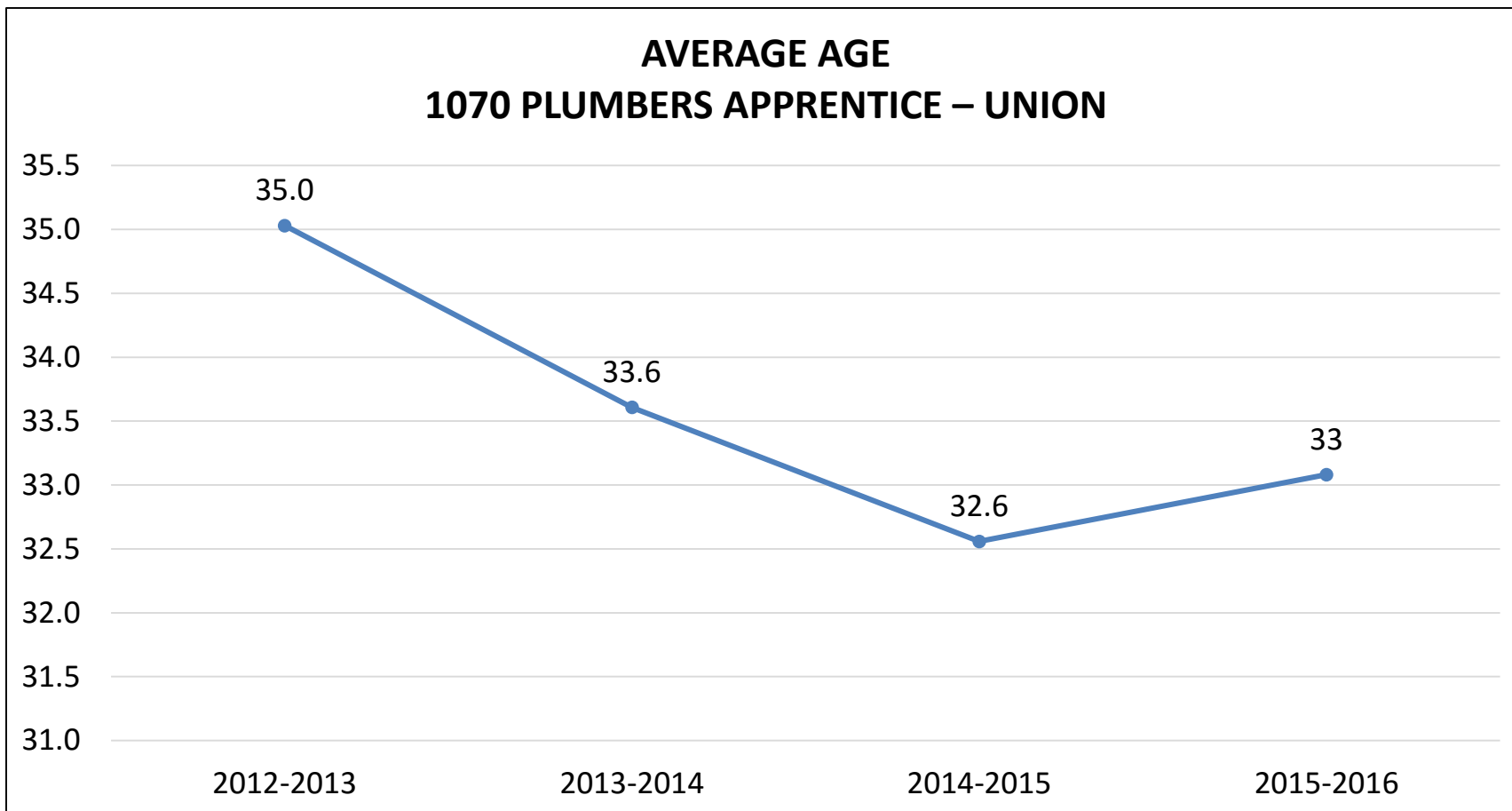
Program	Major	2010/11		2011/12		2012/13		2013/14		Average Annual Salary
		DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
PLUMBERS APPRENTICE - UNION	1070	50%	73%	40%	57%	71%	85%	100%	100%	\$**,***

■ 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



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

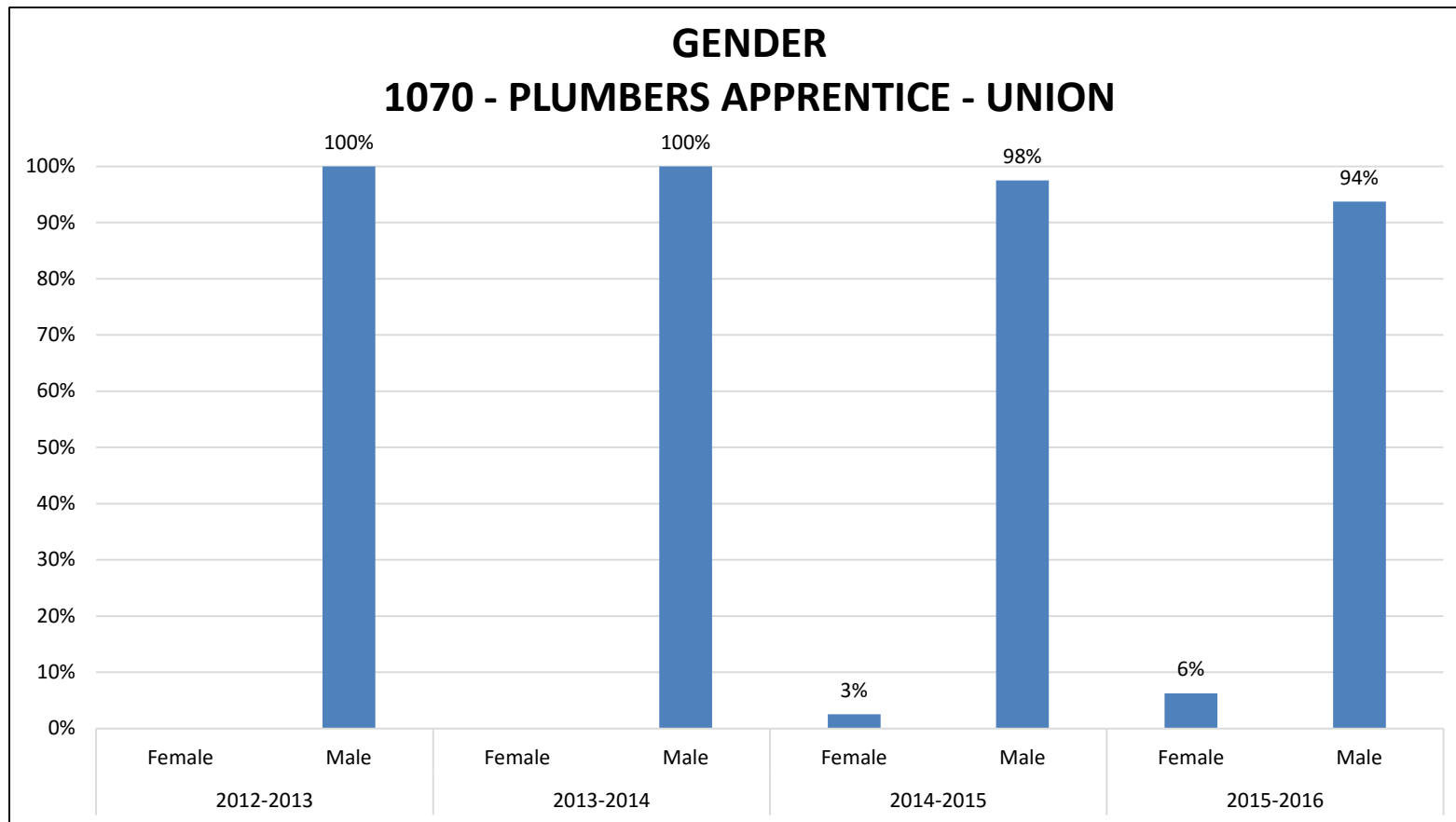




	2012-2013	2013-2014	2014-2015	2015-2016
All Programs	32	32	32	32
Daytona State College	26.7	26.6	26.4	26

Calculation excludes individuals whose birthdates are not reported.

Source: IR Program Assessment Data

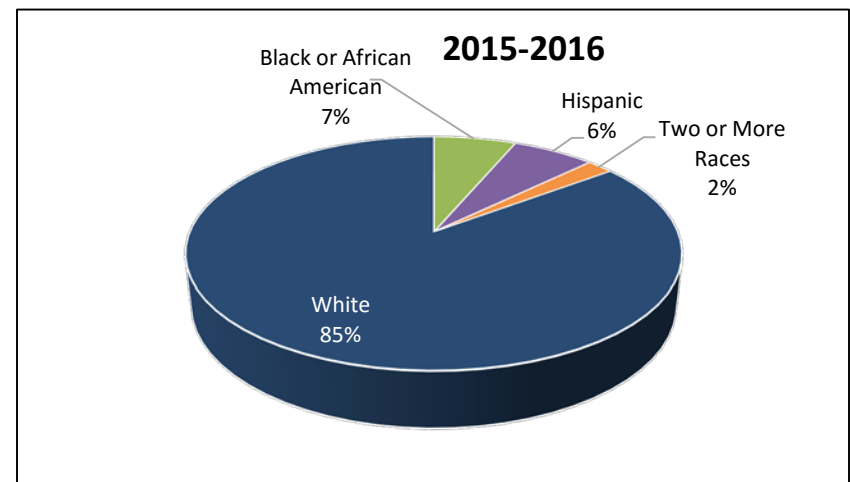
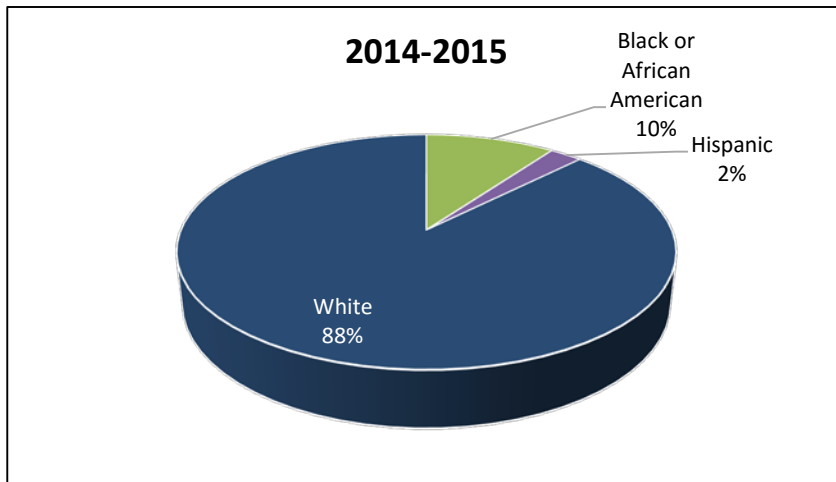
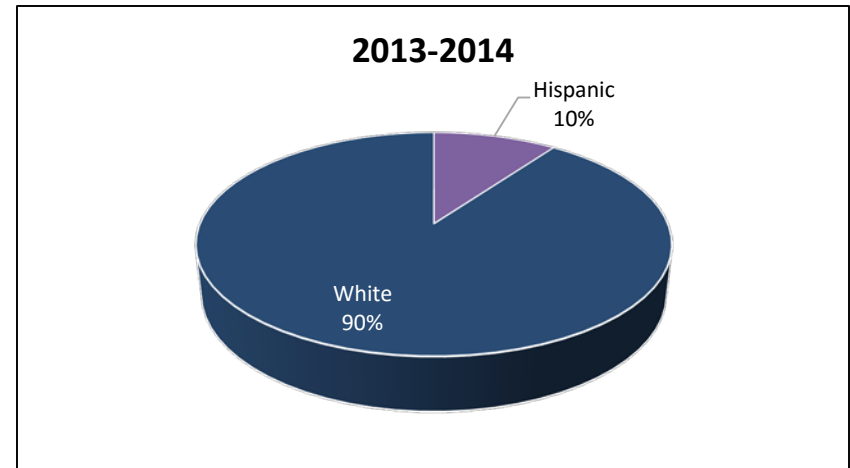
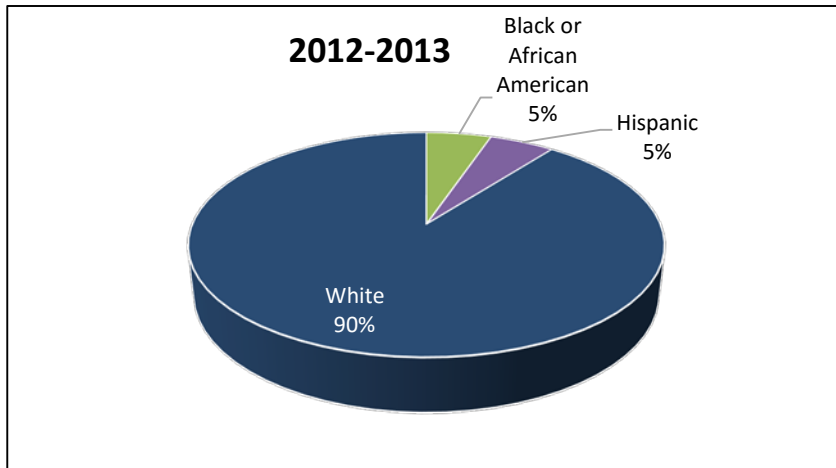


Major	2012-2013		2013-2014		2014-2015		2015-2016	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	60%	40%	59%	41%	60%	40%	60%	40%

Excludes individuals whose gender is not reported.

Source: IR Program Assessment Data

Race / Ethnicity by Program



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%	0%	2%	66%

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

Source: IR Program Assessment Data