ASSESSMENT DAY

College of Workforce, Continuing and Adult Education
School of Occupational Apprenticeships
Plumbers Apprentice
February 5, 2016

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

1070 - Plumbers Apprentice - Union

Courses

BCA0431 Plumbing Apprentice 11

BCA0431L Plumbing Apprentice 11 Lab

BCA0432 Plumbing Apprentice 12

BCA0432L Plumbing Apprentice 12 Lab

BCA0433L Plumbing Apprentice 13 Lab

BCA0434 Plumbing Apprentice 14

BCA0434L Plumbing Apprentice 14 Lab

BCA0435 Plumbing Apprentice 15

BCA0435L Plumbing Apprentice 15 Lab

BCA0450L Plumbing Apprentice 1 Lab

BCA0451 Plumbing Apprentice 2

BCA0451L Plumbing Apprentice 2 Lab

BCA0452 Plumbing Apprentice 3

BCA0452L Plumbing Apprentice 3 Lab

BCA0453L Plumbing Apprentice 4 Lab

BCA0454 Plumbing Apprentice 5

BCA0454L Plumbing Apprentice 5 Lab

BCA0455 Plumbing Apprentice 6

BCA0455L Plumbing Apprentice 6 Lab

BCA0456L Plumbing Apprentice 7 Lab

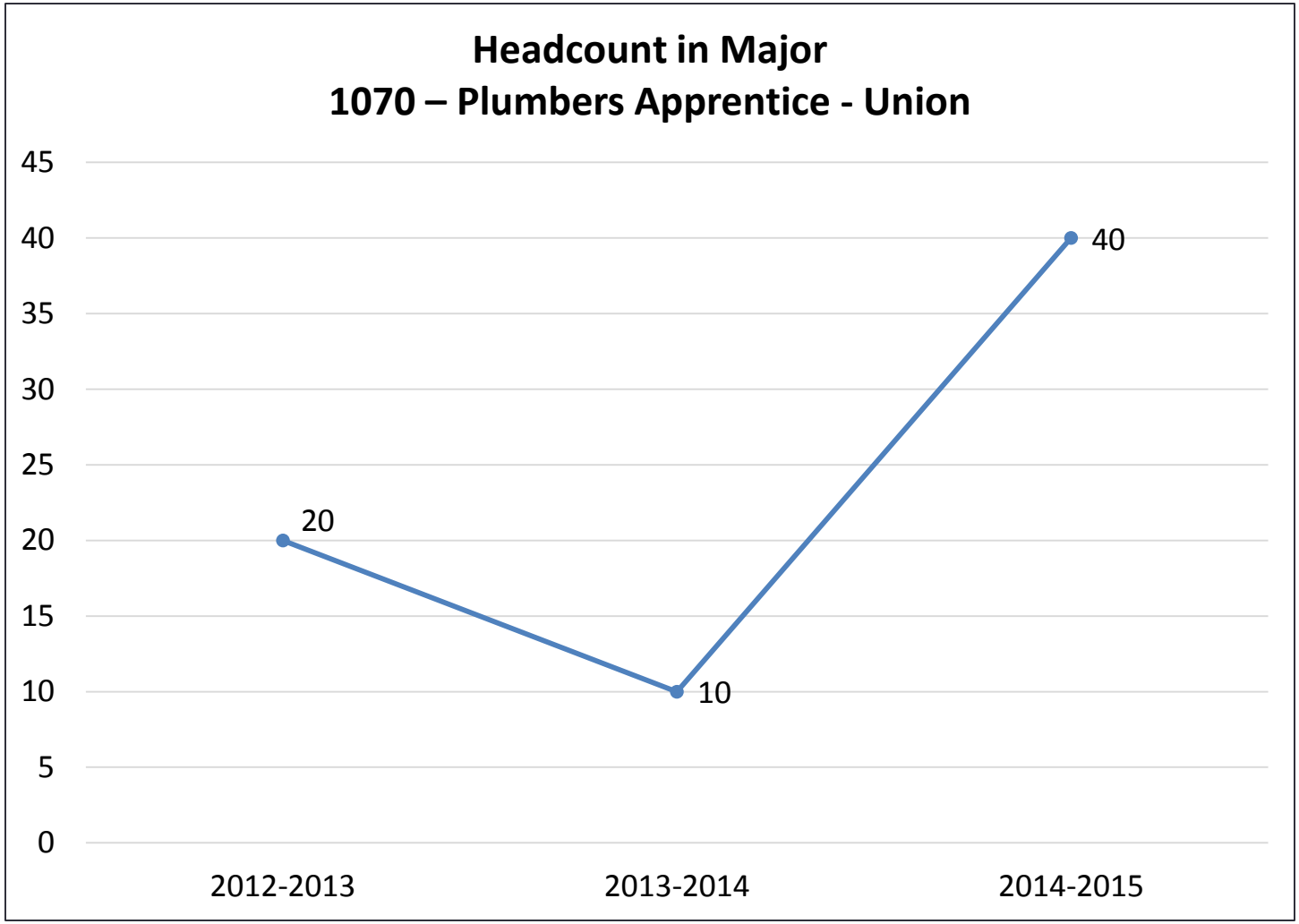
BCA0457 Plumbing Apprentice 8

BCA0457L Plumbing Apprentice 8 Lab

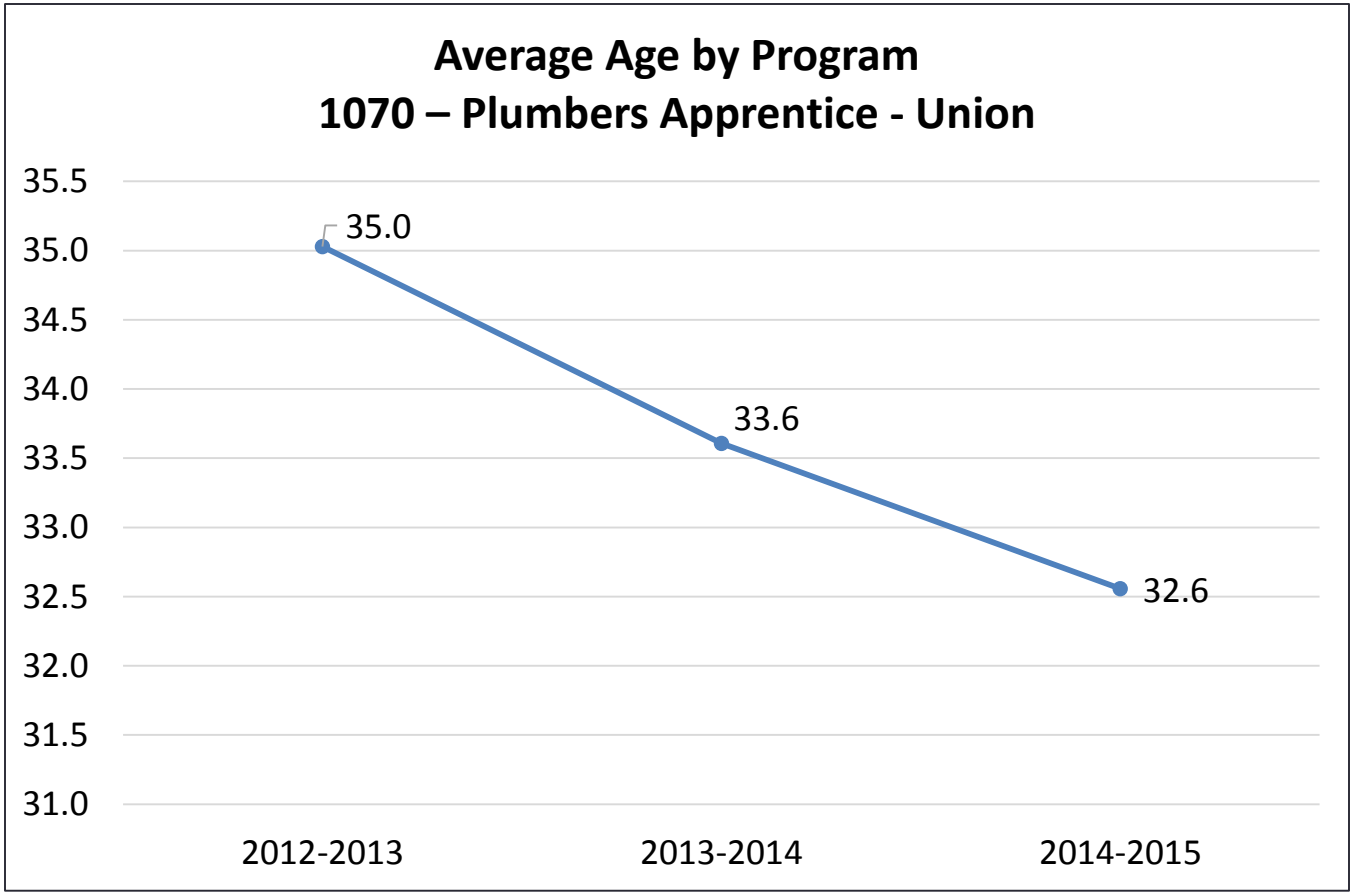
BCA0458 Plumbing Apprentice 9

BCA0458L Plumbing Apprentice 9 Lab

BCA0459L Plumbing Apprentice 10 Lab



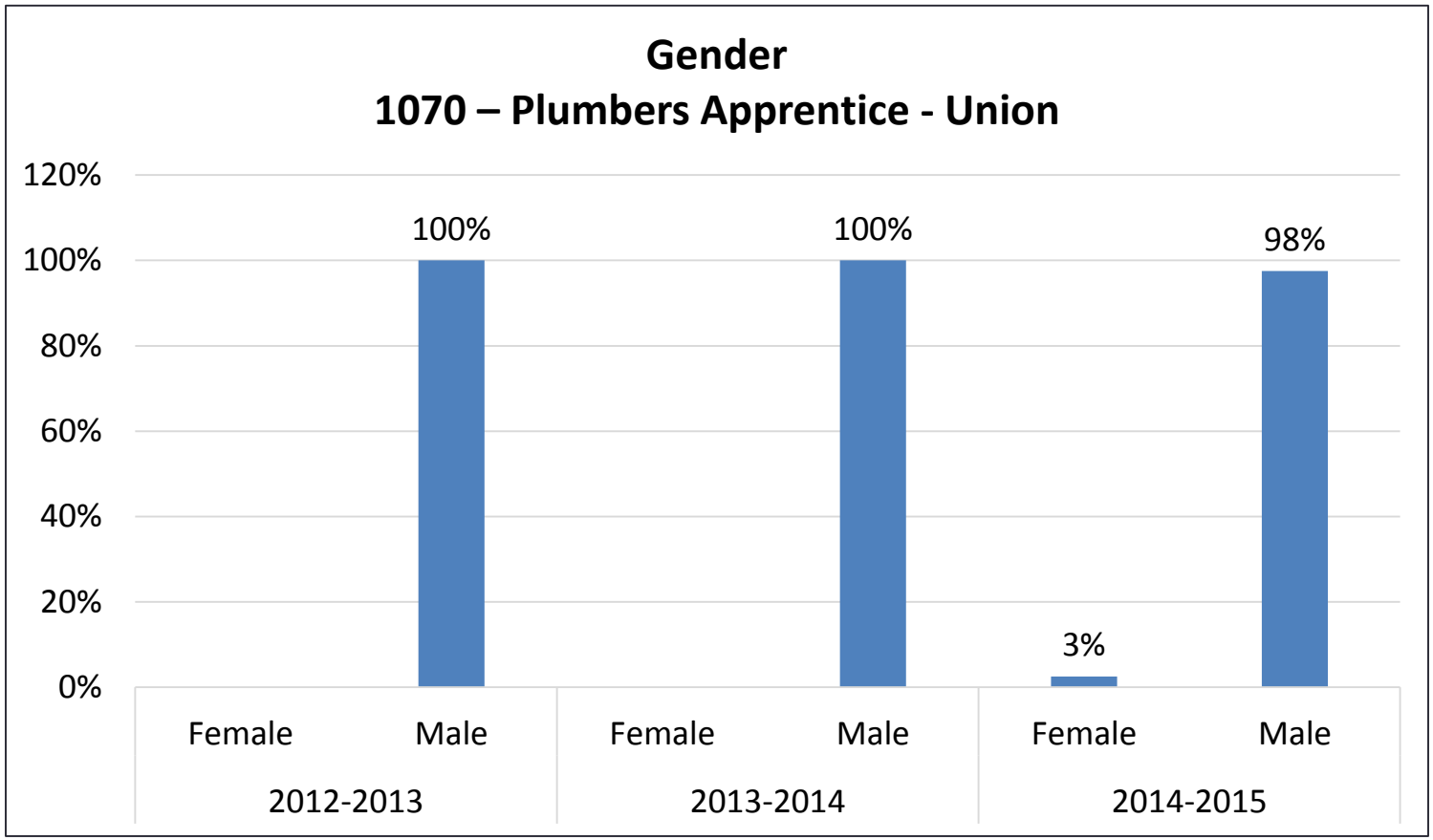
Source: IR Program Assessment Data



Major	2012-2013	2013-2014	2014-2015
All Programs	31.2	30.4	30.0
Daytona State College	26.7	26.6	26.4

Calculation excludes individuals whose birthdates are not reported.

Source: IR Program Assessment Data



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

Excludes individuals whose gender is not reported.

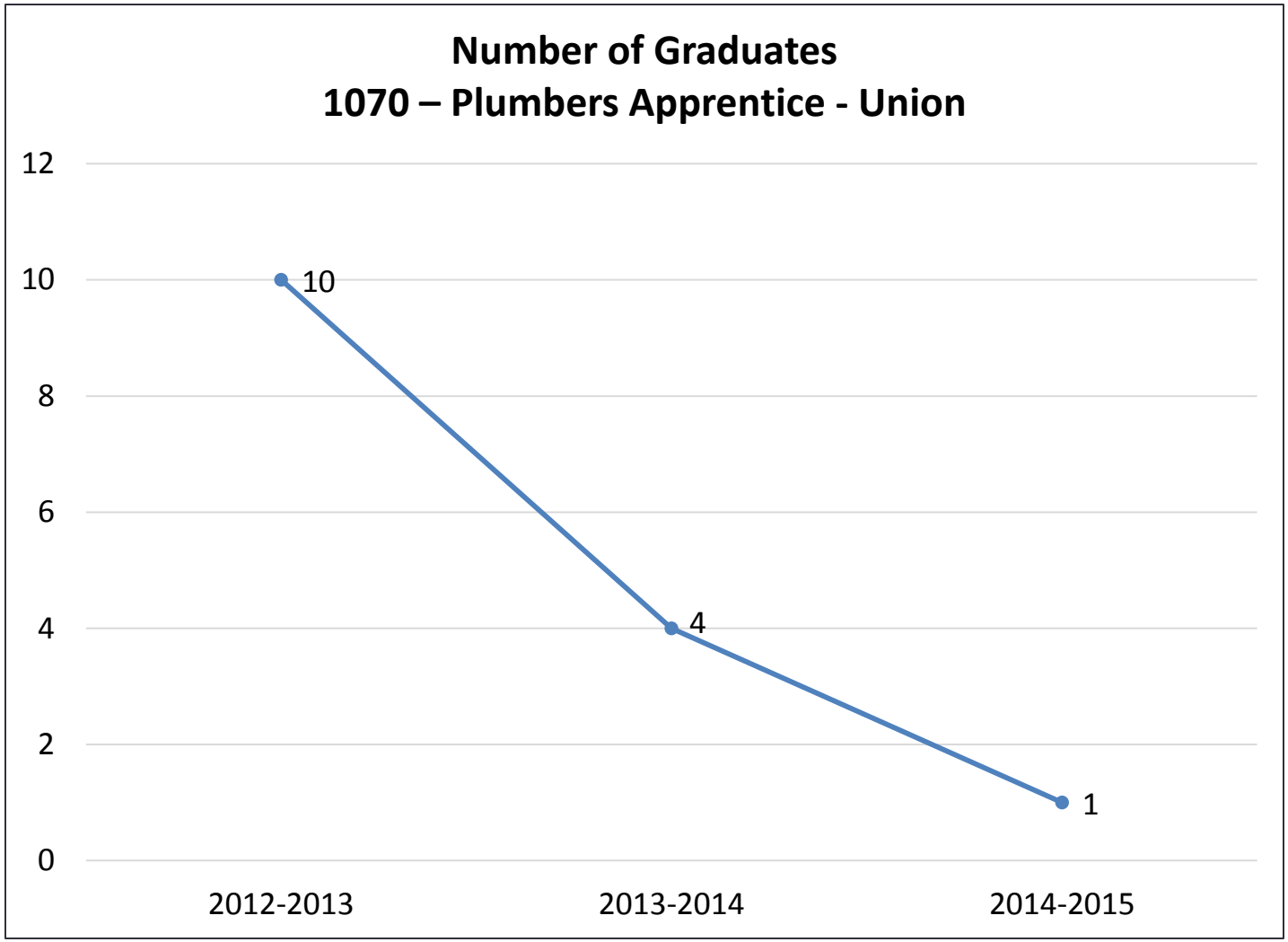
Source: IR Program Assessment Data

Race / Ethnicity by Program

Program		2012-2013		2013-2014		2014-2015		DSC
		#	%	#	%	#	%	
1070 - PLUMBERS APPRENTICE - UN	Black or African American	1	5%			4	10%	14%
	Hispanic	1	5%	1	10%	1	3%	13%
	White	17	85%	9	90%	35	88%	67%
All Programs	American Indian / Alaska Native	2	1%	2	1%	1	0.5%	0.5%
	Asian	2	1%	4	2%	3	1%	2%
	Black or African American	26	12%	17	9%	18	9%	14%
	Hispanic	22	10%	23	13%	27	13%	13%
	Native Hawaiian / Pacific Islander	2	1%	2	1%	3	1%	0.2%
	Two or More Races					2	1%	2%
	White	156	74%	128	72%	144	72%	67%

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

Source: IR Program Assessment Data



Source: IR Program Assessment Data

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		31			12	38.71%	38.71%
	2012	13	3	10			10	100.00%	100.00%
	2013	10	4	6			6	100.00%	100.00%

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

Average Class Size by Course

Major and Associated Courses		2012-2013		2013-2014		2014-2015	
		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
	BCA0452					1	33
	BCA0457	1	5				
	BCA0458	1	5				
	Total	4	5	3	5	3	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

Course Success Rates

Major and Associated Courses		2012-2013		2013-2014		2014-2015	
		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%		
	BCA0434	1	100%	5	100%	5	80%
	BCA0434L	1	100%	5	100%	5	80%
	BCA0435	7	86%			5	100%
	BCA0435L	5	100%			5	100%
	BCA0452					33	85%
	BCA0452L					33	85%
	BCA0453L	6	83%				
	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%
	Total	64	95%	41	95%	93	87%

Indicates more than 5% decrease from prior year or less than 70% success rate.
Years are reporting years, SU through SP.

Source: IR Program Assessment Data

Course Success Rates – Multiple Campuses Only

Major, Associated Courses and Campus			2012-2013		2013-2014		2014-2015	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1070 - PLUMBERS APPRENTICE - UNION	BCA0435	Adv Tech College	2	100%				
		Daytona	5	80%			5	100%
		Total	7	86%			5	100%

Indicates more than 5% decrease from prior year or less than 70% success rate.

Years are reporting years, SU through SP.

Source: IR Program Assessment Data

Course Success Rates in the Major by Instructional Method

Major and Instructional Method		2012-2013		2013-2014		2014-2015	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1070 - PLUMBERS APPRENTICE - UNION	DIS	5	100%	1	100%	1	100%
	Lecture	20	90%	15	93%	43	86%
	OJT	39	97%	25	96%	49	88%
	Total	64	95%	41	95%	93	87%

Indicates more than 5% difference between campuses.

Includes all courses, sections, IM's; lectures, labs, etc.

Source: IR Program Assessment Data

Course Success Rates – Multiple Session/Sub-session Only

Major, Associated Courses and Sub-session				2012-2013		2013-2014		2014-2015	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1070 - PLUMBERS APPRENTICE - UNION	BCA0431	FA	Full term	5	100%	5	100%		
			Session Total	5	100%	5	100%		
		SP	Full term	1	100%				
			Session Total	1	100%				
		Total		6	100%	5	100%		
	BCA0435	FA	Full term	2	100%				
			Session Total	2	100%				
		SP	Full term	5	80%			5	100%
			Session Total	5	80%			5	100%
		Total		7	86%			5	100%

Includes all courses, sections, IM's; lectures, labs, etc.

Source: IR Program Assessment Data

Placement Rates								
		2010/11		2011/12		2012/13		Average Annual Salary
Program Title	Major(s)	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
PLUMBERS APPRENTICE - UNION	1070	50%	73%	40%	57%	71%	85%	$**,***

Notes:

Graduates in cohort year are tracked in the following year and reported 1 year later.

All continuing education outcomes are based on enrollment data for the fall semester and preliminary winter/spring semester.

All employment outcomes are based on the October - December quarterly data each year.

Individuals are only counted in one educational sector.

Full quarter earnings displayed only when 10 or more graduates are employed full time/full quarter.

Source: IR Program Assessment Data

Plumber Apprentice #1070
Updated 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.

Plumber Apprentice #1070
Program Learning Outcomes

Curriculum Mapping

PLOs vs. ILOs	Critical Thinking	Communication	Cultural Literacy	Information and Technical Literacy
PLO 1: Demonstrate knowledge and ability to follow rules, building codes, and be OSHA certified by the local Plumbers and Pipefitters Union	X		X	X
PLO 2: Identify and use different tools, equipment, materials and products used in the trade	X			X
PLO 3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety	X			X
PLO 4: Demonstrate knowledge and skill in the residential, commercial and industrial markets	X	X	X	X
PLO 5: Demonstrate the ability to plan and initiate projects related to the field	X	X	X	X

Plumber Apprentice #1070
Program Learning Outcomes

Curriculum Mapping

PLOs vs. CLOs	BCA0450L	BCA0451	BCA0452	BCA0453L	BCA0454	BCA0455	BCA0456L	BCA0457	BCA0458	BCA0459L	BCA0431	BCA0432	BCA0433L	BCA0434	BCA0435
PLO 1			IN				RE	RE							MA
PLO 2															
PLO 3															
PLO 4															
PLO 5															

IN: Introduce the PLO; RE: Reinforce the PLO; MA: Master the PLO

Plumber Apprentice #1070
Program Learning Outcomes

Curriculum Mapping

PLOs vs. CLOs measures	BCA0450L	BCA0451	BCA0452	BCA0453L	BCA0454	BCA0455	BCA0456L	BCA0457	BCA0458	BCA0459L	BCA0431	BCA0432	BCA0433L	BCA0434	BCA0435
PLO 1			Test			Observation									Project
PLO 2															Project
PLO 3															
PLO 4															
PLO 5															Project

Assessment Data
Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and technical Literacy	
	13/14	14/15	13/14	14/15	13/14	14/15	13/14	14/15
1070 - PLUMBERS APPRENTICE - UNION	NR	NR	NR	NR	NR	NR	NR	NR

NR: No Report

Source: School of Education Assessment Reports