

ASSESSMENT DAY

Mary Karl College of Workforce and Continuing Education
School of Occupational Apprenticeships
Electrical Apprentice - Union
October 15, 2020

Strengths

Challenges

Recommendations

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

[1072 - Electrical Apprentice - Union](#)

Action Items from Last Assessment Day

Electrical Union Last Assessment Day: 04/08/2020

- Include National trends for graduation and retention;
- Find alternative to Zoom for online classes delivery;
- Look into purchasing textbooks in Spanish for students to borrow who have trouble with terminology;
- Look into developing a mentorship to help students with the language barrier;
- More Pre-apprenticeship programs;

For Institutional Effectiveness:

- Set a meeting with Karen Sanders for letter they send out to admitted students
- Karla to meet with Robert and Frank regarding learning outcomes

Electrical Apprentice - Union #1072 Program Learning Outcomes

Graduates of the program will be able to:

PLO 1: Demonstrate the ability to follow OSHA and the National Electrical Code.

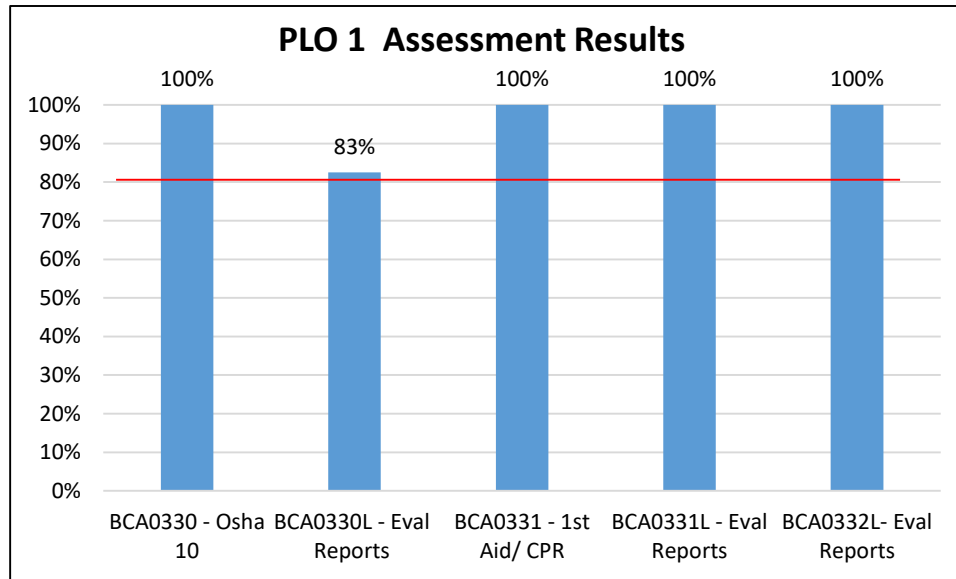
PLO 2: Demonstrate proper usage of different tools, equipment, materials and electrical products used in the trade.

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.

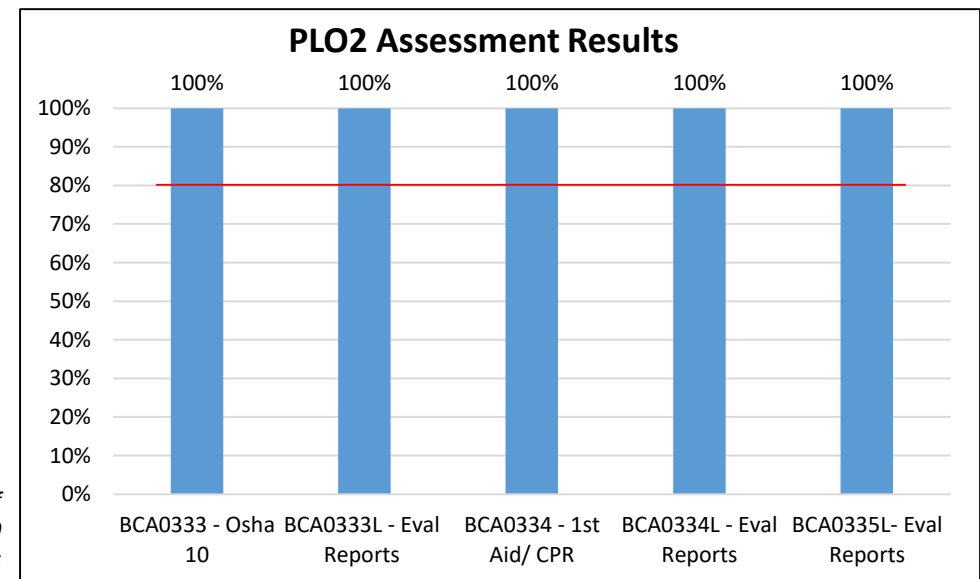
PLO 5: Demonstrate the ability to develop and implement projects related to the field.

Assessment Results 2019-2020

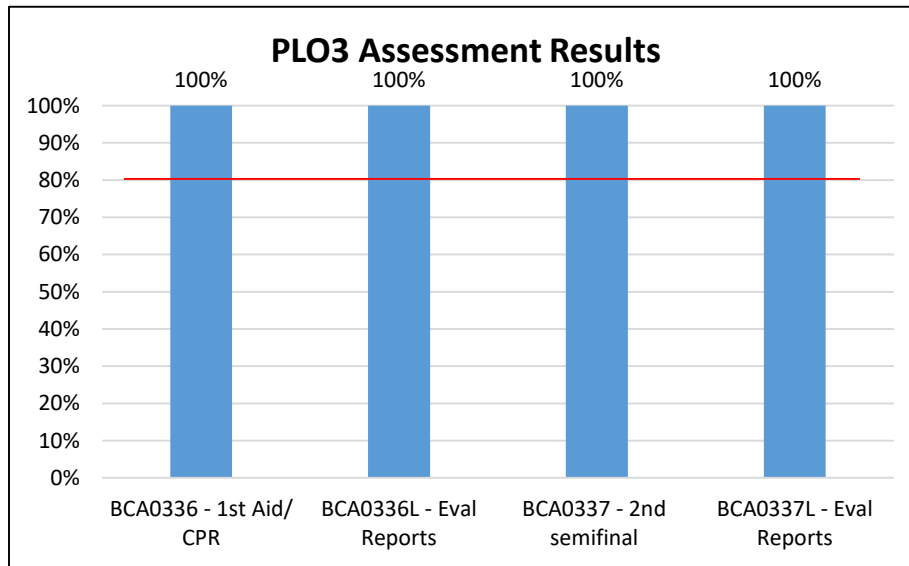


PLO1: Demonstrate the ability to follow OSHA and the National Electrical Code. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

PLO2: Demonstrate proper usage of 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*

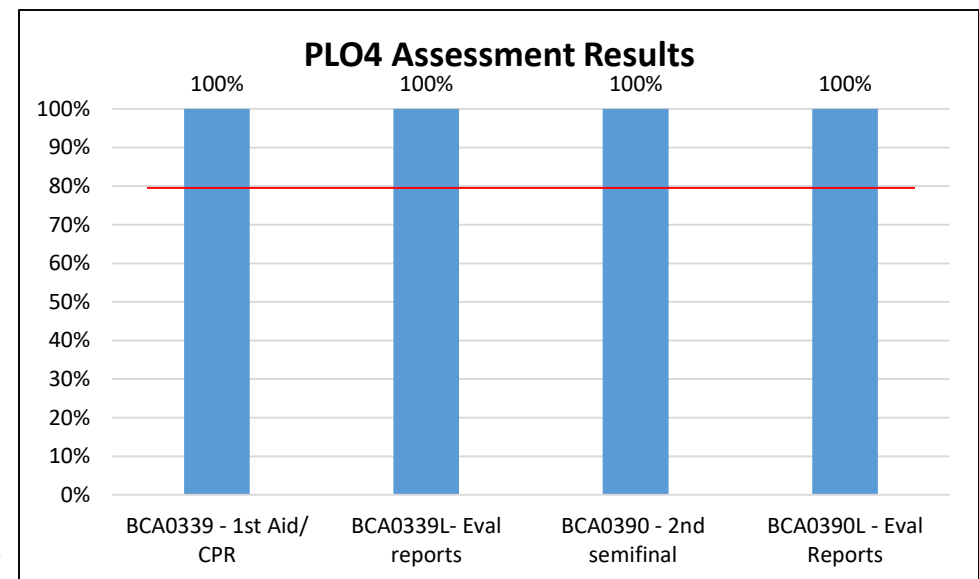


Assessment Results 2019-2020

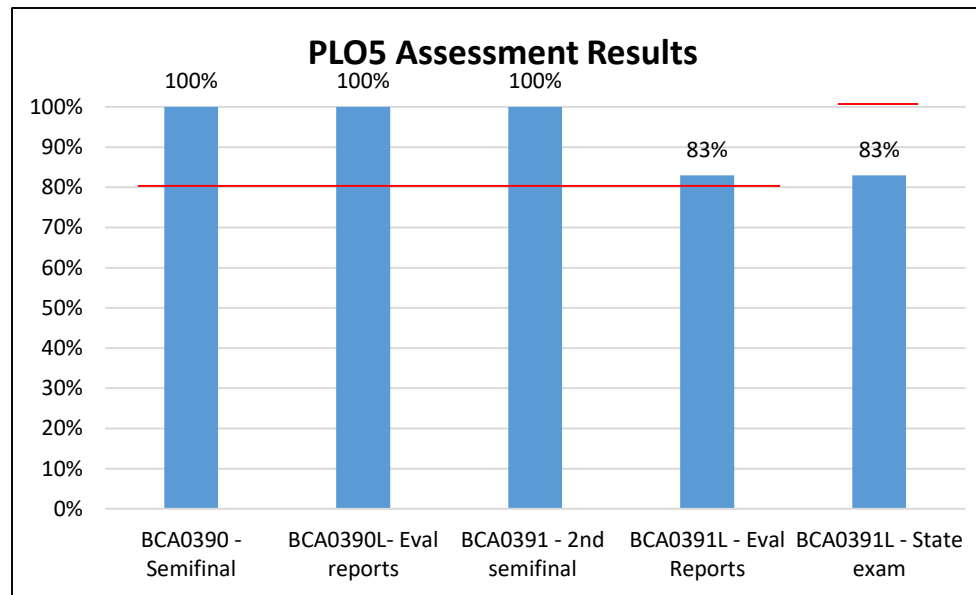


PLO3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

PLO4: Demonstrate skills 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*



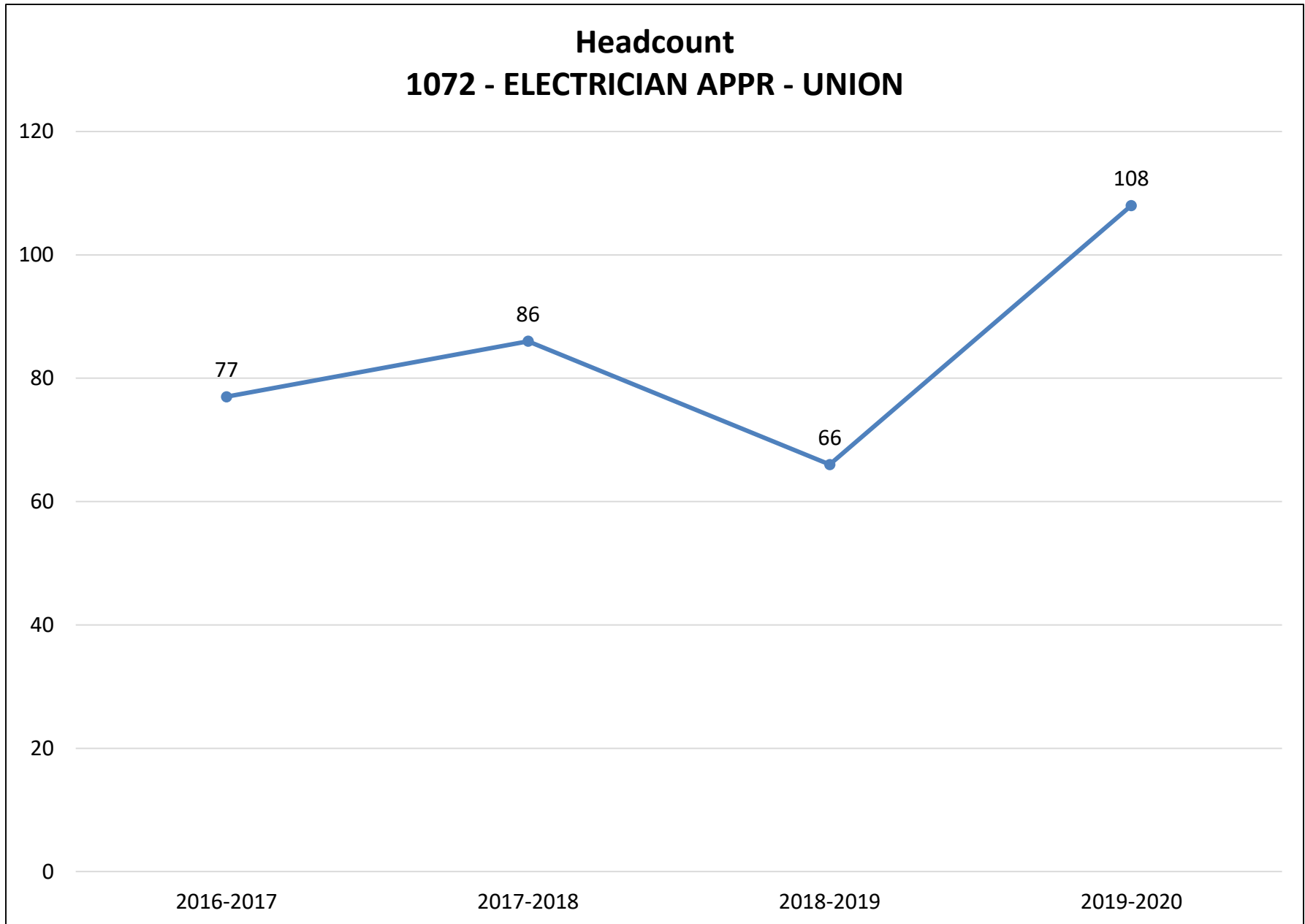
Assessment Results 2019-2020

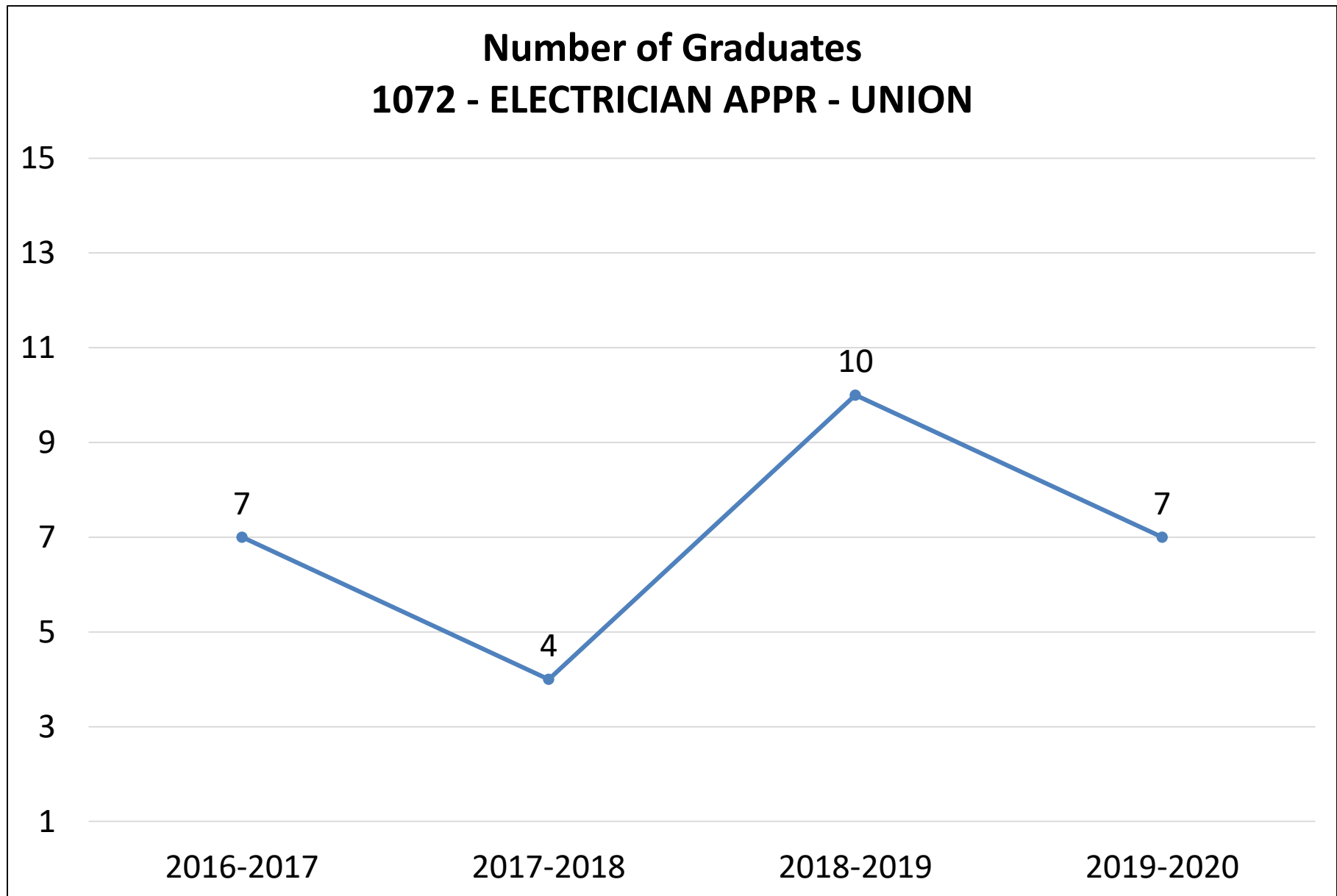


PLO5: Demonstrate the ability to develop and implement projects related to the field.
Target: 80% of student will achieve 75% or higher – Semifinal Osha 10
80% of students will achieve 75% or higher in Eval reports
All students will have an up to date 1st Aid, CPR, and AED card. All students will have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

Assessment Data Program vs. Institutional Learning Outcomes

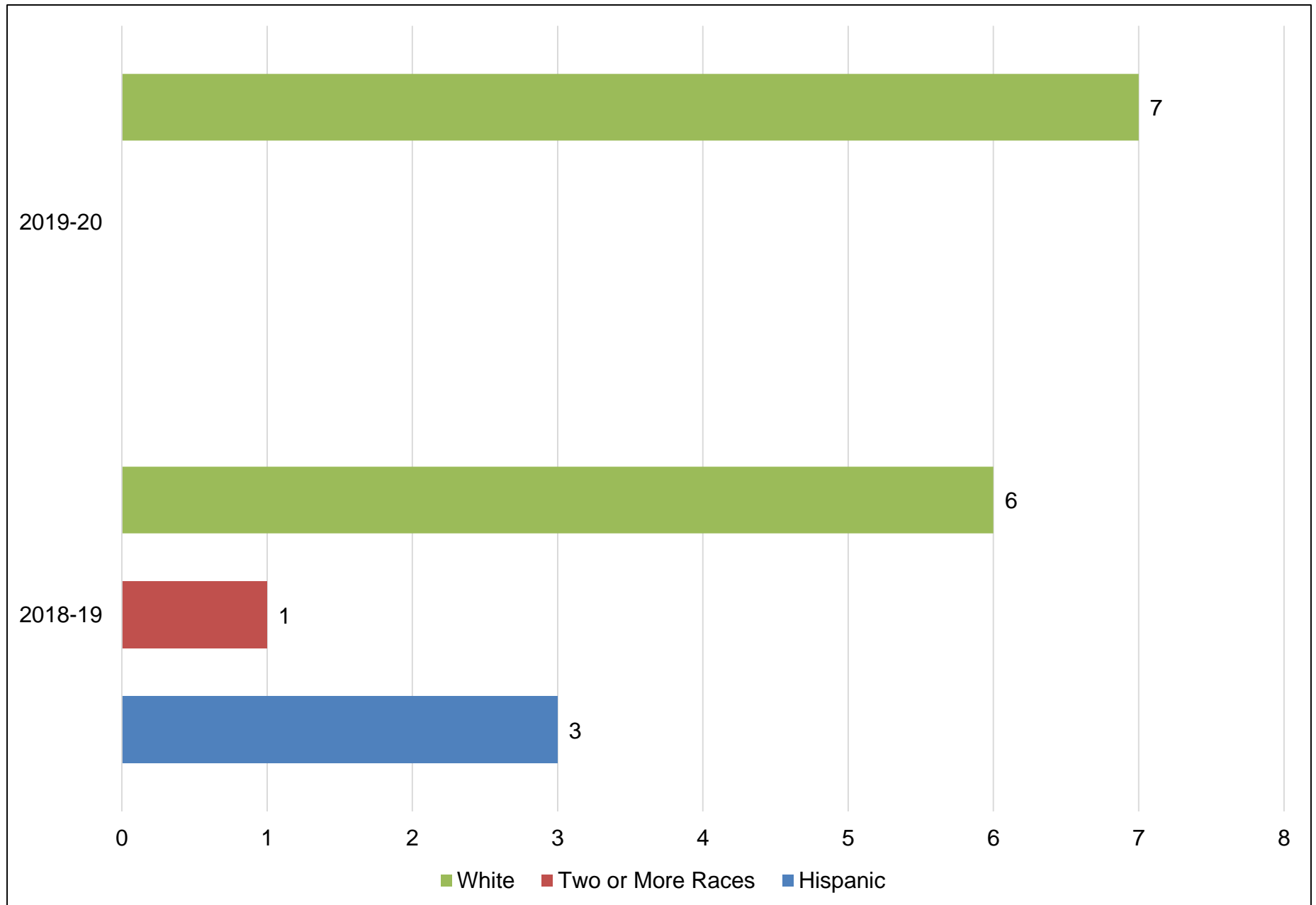
Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	18/19	19/20	18/19	19/20	18/19	19/20	18/19	19/20
1072 - ELECTRICIAN APPR - UNION	100%	100%	100%	100%	100%	100%	100%	100%





Source: IR Program Assessment Data

Number of Graduates by Race/Ethnicity Occupational Apprenticeship – Electrical – Union



Time to Degree

Major	Average of Years to Completion
107200 – Electrical Union	3.21

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	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%	48	77.00%	78.00%
	2017	79	10	69	0	0%	44	63.76%	63.76%
	2018	83	7	76	1	1.3%	59	77.6%	79%

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	%
1072 ELECTRICIAN APPR - UNION	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%
	FA17 to FA18	Black	4	0	4	1	25%
		Hispanic	10	3	7	5	71.4%
		Two or More Races	2	1	1	0	0%
		Unknown	1	0	1	0	0%
		White	62	6	56	38	67.9%
	FA18 to FA19	Black	3	0	3	1	33.3%
		Hispanic	10	0	10	9	90%
		Two or More Races	1	0	1	1	100%
		Unknown	2	0	2	1	50%
		White	67	7	60*	47	78.3%

Retention of Underserved Populations: 56.25% Black, 57.95% Hispanic, and 73.08% Unknown

**one student was retained by DSC*

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

Retention Rates by Gender

Major	Cohort	Gender	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						N	%
1072 ELECTRICIAN APPR - UNION	FA17 to FA18	Female	3	1	2	2	100%
		Male	75	9	66	42	63.6%
		Unknown	1	0	1	0	0%
	FA18 to FA19	Female	4	0	4	3	75%
		Male	75	7	68*	53	77.9%
		PrefNoAns	1	0	1	1	100%
		Unknown	3	0	3	2	66.7%

**one student was retained by DSC*

Performance Funding - Placement Rates
Workforce High Demand Occupations: 12.96%
DSC Workforce High Skill/High Wage Earnings: 59.10%

Major	2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		Average Annual Salary
	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
1071, 1072	87%	90%	73%	91%	89%	80%	50%	81%	100%	91%	100%	97%	89%	95%	\$**,***

■ 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

Course Success Rates

Major and Associated Courses (All Lecture)		2016-2017		2017-2018		2018-2019		2019-2020		
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	
1072 - ELECTRICIAN APPR - UNION	BCA0330	39	87%	31	81%	38	79%	34	82%	↑
	BCA0330L	34	85%	31	74%	37	78%	33	94%	↑
	BCA0331	39	79%	22	86%	26	100%	30	87%	↑
	BCA0331L	39	82%	20	95%	26	96%	30	100%	↑
	BCA0332L	13	77%					20	100%	↑
	BCA0333	11	82%	30	93%	22	68%	24	67%	↑
	BCA0333L	16	88%	30	87%	22	73%	22	91%	↑
	BCA0334	11	82%	29	79%	14	93%	27	93%	↑
	BCA0334L	11	55%	28	79%	14	93%	25	100%	↑
	BCA0335L	13	85%					7	100%	
	BCA0336	11	91%	37	84%	14	100%			
	BCA0336L	11	100%	35	89%	14	100%			
	BCA0337	11	91%	9	78%	25	96%	28	100%	↑
	BCA0337L	11	91%	10	70%	24	100%	28	100%	
	BCA0338	4	100%	17	100%	24	100%			
	BCA0338L	5	80%	17	100%	24	100%			
	BCA0339	4	100%	10	100%	31	97%			
	BCA0339L	4	100%	10	100%	30	100%			
	BCA0390	4	100%	10	90%	7	100%	37	81%	
	BCA0390L	4	100%	10	100%	7	100%	34	94%	
BCA0391	7	100%	4	100%	17	100%	37	89%		
BCA0391L	7	100%	4	100%	17	100%	37	97%		
Major Total		309	85%	394	87%	433	92%	453	92%	

■ 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	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
1072 - Electrician - Union	433	92%	453	92%
BCA0330	38	79%	34	82%
Black	2	50%	3	67%
Hispanic	4	75%	7	71%
Two or More Races	1	100%	3	100%
Unknown/Prefer not to answer	2	100%	1	100%
White	29	79%	20	85%
BCA0330L	37	78%	33	94%
Black	2	50%	3	100%
Hispanic	4	100%	7	86%
Two or More Races	1	100%	3	100%
Unknown/Prefer not to answer	2	100%	1	100%
White	28	75%	19	95%
BCA0331	26	100%	30	87%
Black			2	100%
Hispanic	2	100%	6	83%
Two or More Races	1	100%	3	100%
Unknown/Prefer not to answer	2	100%	1	0%
White	21	100%	18	89%
BCA0331L	26	96%	30	100%
Black			2	100%
Hispanic	2	100%	6	100%
Two or More Races	1	100%	3	100%
Unknown/Prefer not to answer	2	100%	1	100%
White	21	95%	18	100%
BCA0332L			20	100%
Hispanic			4	100%
White			16	100%
BCA0333	22	68%	24	67%
Hispanic	4	50%	3	33%
Two or More Races	1	0%	1	100%
Unknown			1	0%
White	16	75%	19	74%
BCA0333L	22	73%	22	91%
Hispanic	4	50%	3	100%
Two or More Races	1	100%	1	100%
White	16	75%	18	89%

Program, Course, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
BCA0334	14	93%	27	93%
Hispanic	2	100%	3	100%
Two or More Races			1	100%
Unknown			1	100%
White	11	91%	22	91%
BCA0334L	14	93%	25	100%
Hispanic	2	100%	3	100%
Two or More Races			1	100%
Unknown			1	100%
White	11	91%	20	100%
BCA0335L			7	100%
White			7	100%
BCA0337	25	96%	28	100%
Black			1	100%
Hispanic	4	100%	2	100%
Two or More Races			1	100%
White	21	95%	24	100%
BCA0337L	24	100%	28	100%
Black			1	100%
Hispanic	4	100%	2	100%
Two or More Races			1	100%
White	20	100%	24	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	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
BCA0390	7	100%	37	81%
Black			1	100%
Hispanic			6	100%
White	7	100%	30	77%
BCA0390L	7	100%	34	94%
Hispanic			1	100%
Two or More Races			6	100%
White	7	100%	27	93%
BCA0391	17	100%	37	89%
Black			1	100%
Hispanic	3	100%	6	100%
White	13	100%	30	87%
BCA0391L	17	100%	37	97%
Black			1	100%
Hispanic	3	100%	6	100%
White	13	100%	30	97%

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

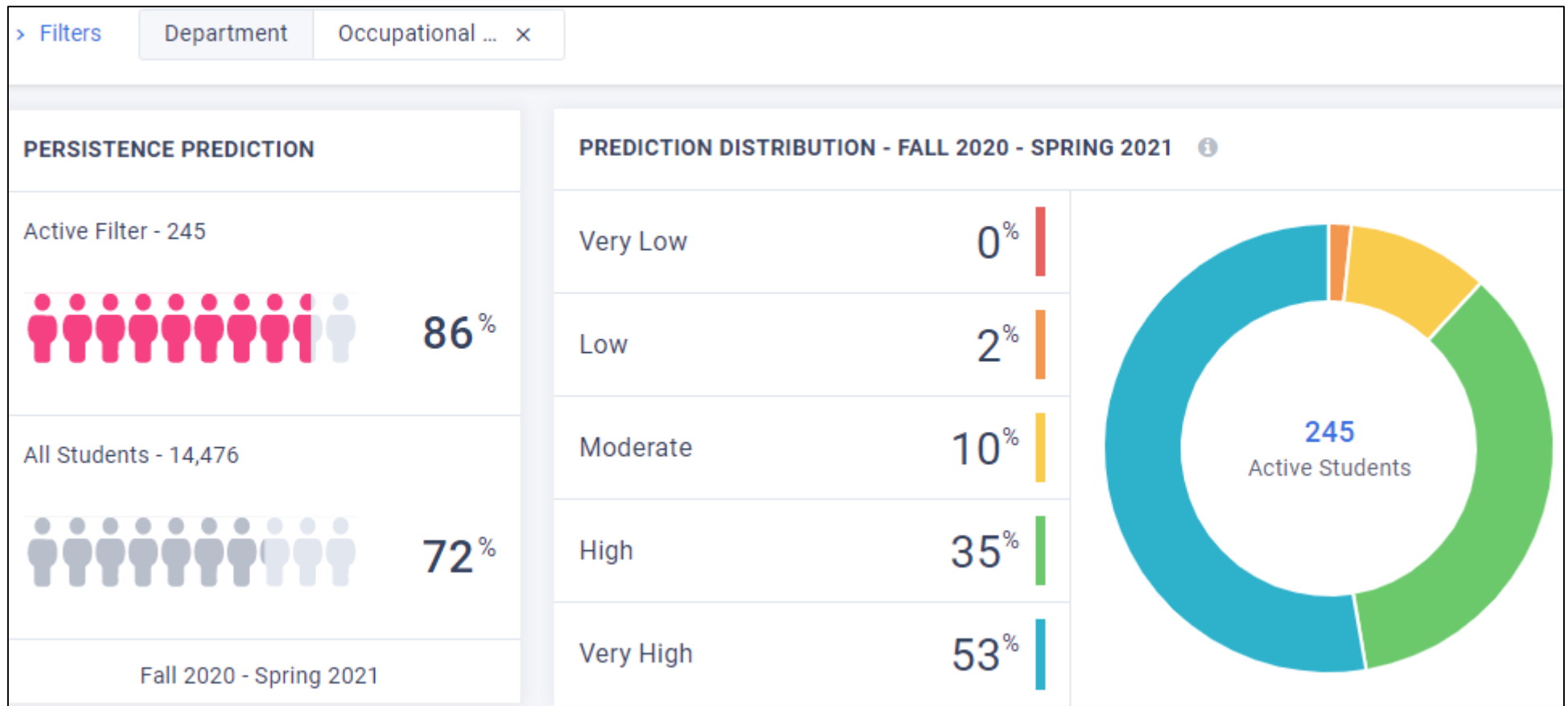
Course Success Rate By Race and Ethnicity

Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
Black	10	80%	16	94%
Hispanic	58	91%	70	91%
Two or More Races	8	88%	18	100%
Unknown/Prefer not to answer	8	100%	7	71%
White	349	93%	342	92%
Grand Total	433	92%	453	92%

 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

Civitas



Screen captured on 9/25/2020