ASSESSMENT DAY

Mary Karl College of Workforce and Continuing Education

School of Occupational Apprenticeships

Electrical Apprentice – Non-Union

October 14, 2020

Strengths

Challenges

Recommendations

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

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

Action Items from Last Assessment Day

Electrical Apprentice – Non-Union Last Assessment Day: 4/06/2020

- Complete the classroom time for Spring semester;

- Streamline the process of the graduation check down for the students approaching graduation;

- Internal faculty to teach the OSHA-10 course;

- Build a recruitment outreach for Apprenticeship Week for Fall 2020 highlighting student and program success, and marketing;

For Institutional Effectiveness and Institutional Research:

- Karla provide CIVITAS list of students, IR to add addresses for mailings

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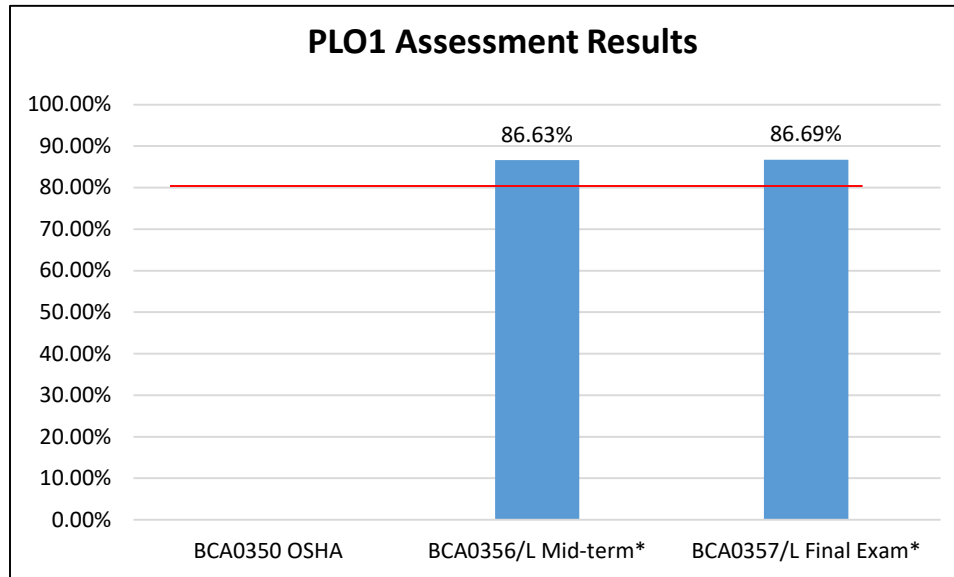
PLO 2: Identify and use different tools, equipment, materials and electrical products used in the trade.

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 2019-2020

PLO1 Assessment Results


Results are given in average

BCA0350: For 1st year – We were not able to do OSHA due to COVID-19 – we were going to have 2nd semester

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.*

PLO2 Assessment Results

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 2019-2020
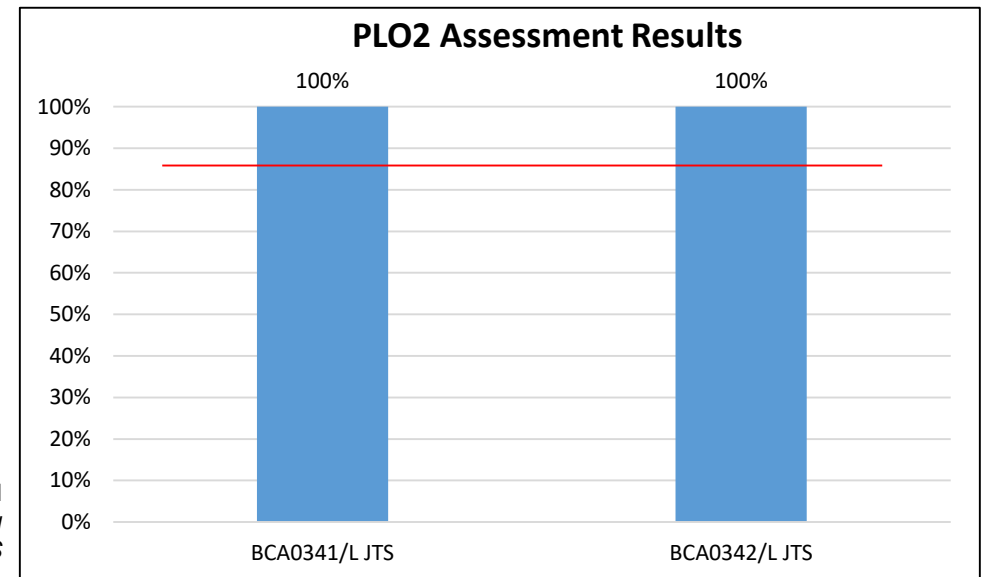
PLO3 Assessment Results
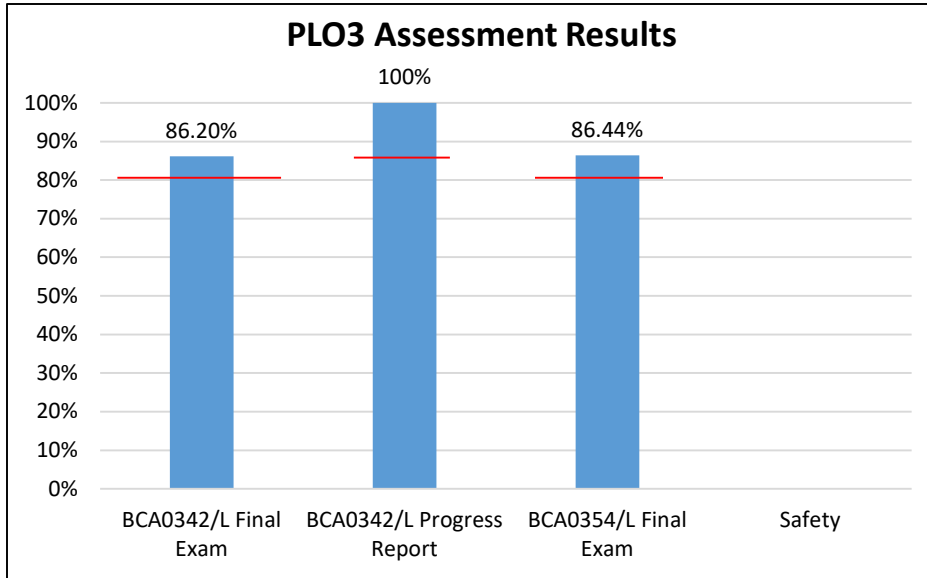
Safety: 1st year – No result. We were going to do 1st aid in the 2nd semester, but we couldn't because of COVID19

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.*
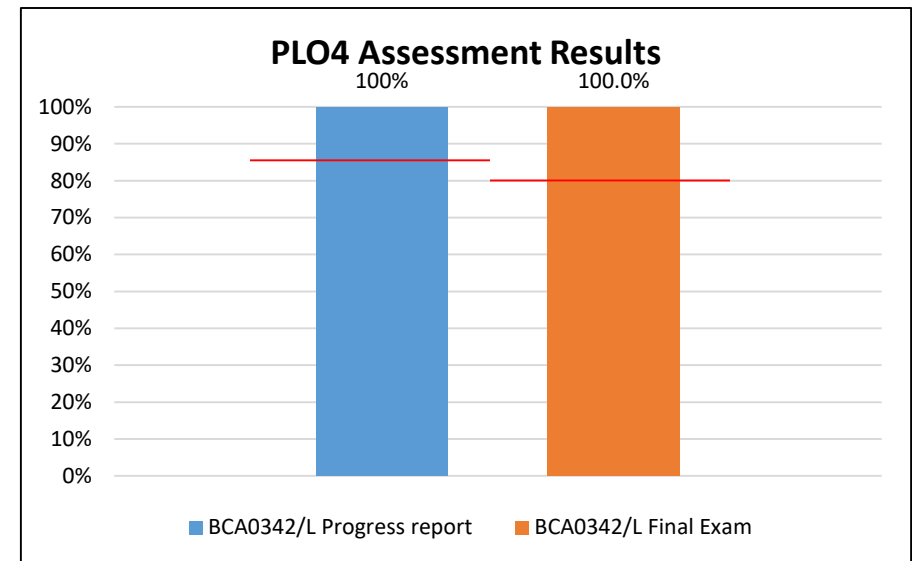
PLO4 Assessment Results

Assessment Results 2019-2020

PLO5 Assessment Results
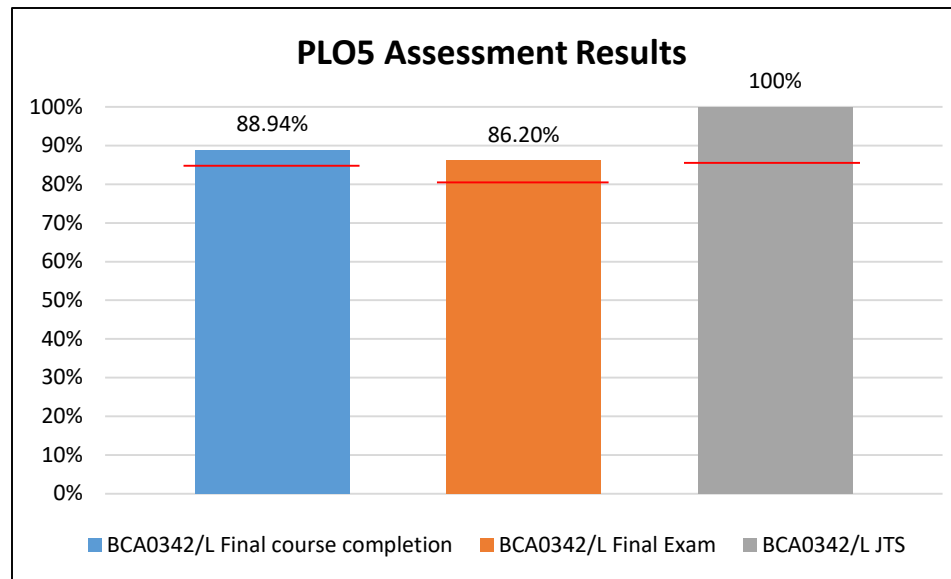
PLO5: Demonstrate the ability to plan and initiate projects related to the field.
Target: 85% of students will achieve 70% or higher in the final course.
80% of students will achieve 70% or higher in the Final Exams.
85% of students scoring average or above for all JTS

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
1071 - ELECTRICIAN APPR - NON-UNION	89.7%-100%	86.44%-100%	89.7%-100%	86.44%-100%	89.7%-100%	86.44%-100%	89.7%-100%	86.44%-100%

Source: School of Education Assessment Reports

Headcount
1071 - Electrician - Non-Union

Source: IR Program Assessment Data

**Number of Graduates
1071 – Electrician – Non-Union**
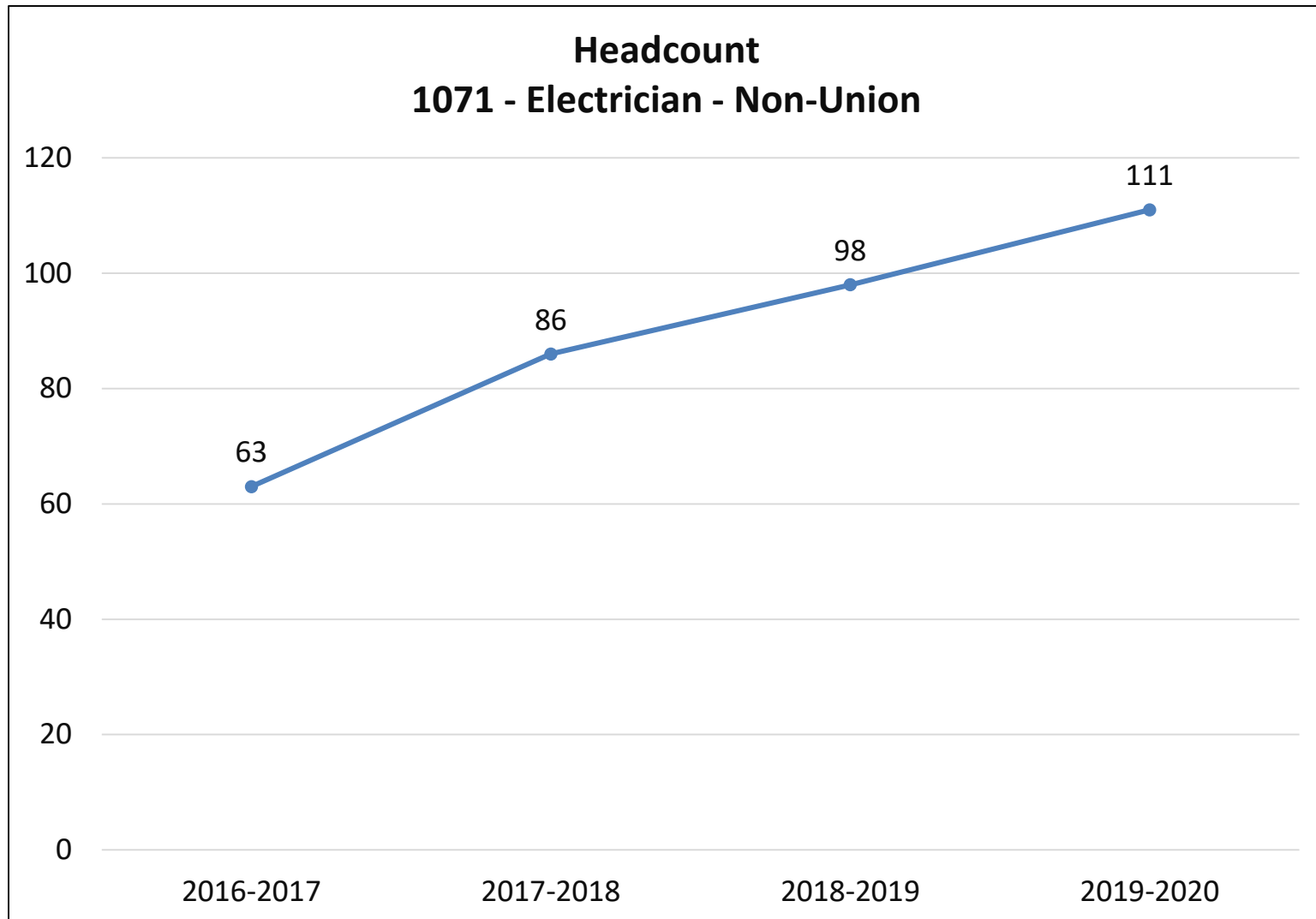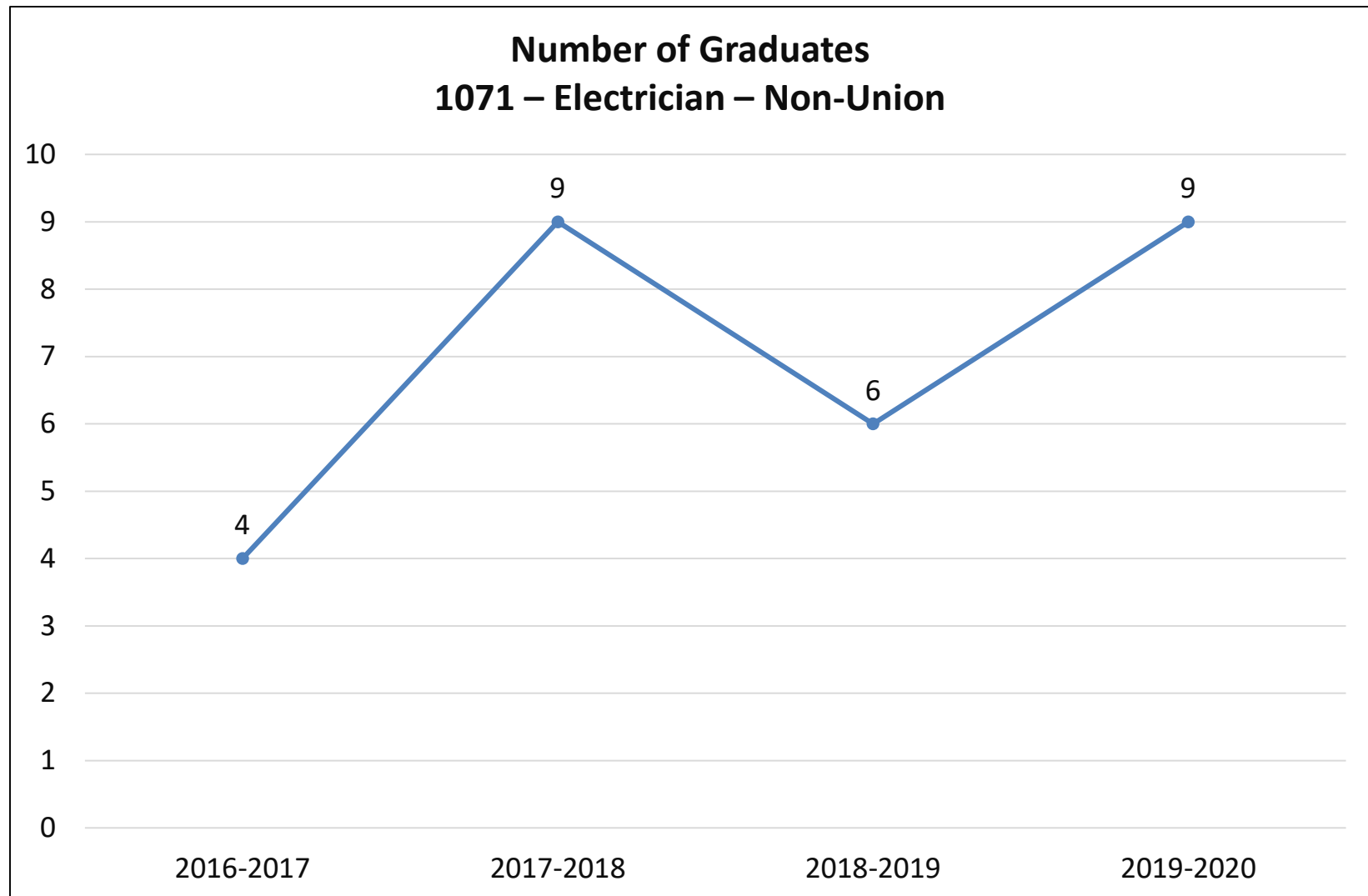
Source: IR Program Assessment Data

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

107100
2019-20

107100
2018-19

Unknown: 3
Hispanic: 4
White: 2

White: 5
Black: 1

0   1   2   3   4   5   6

■ Unknown ■ Hispanic ■ White ■ Black
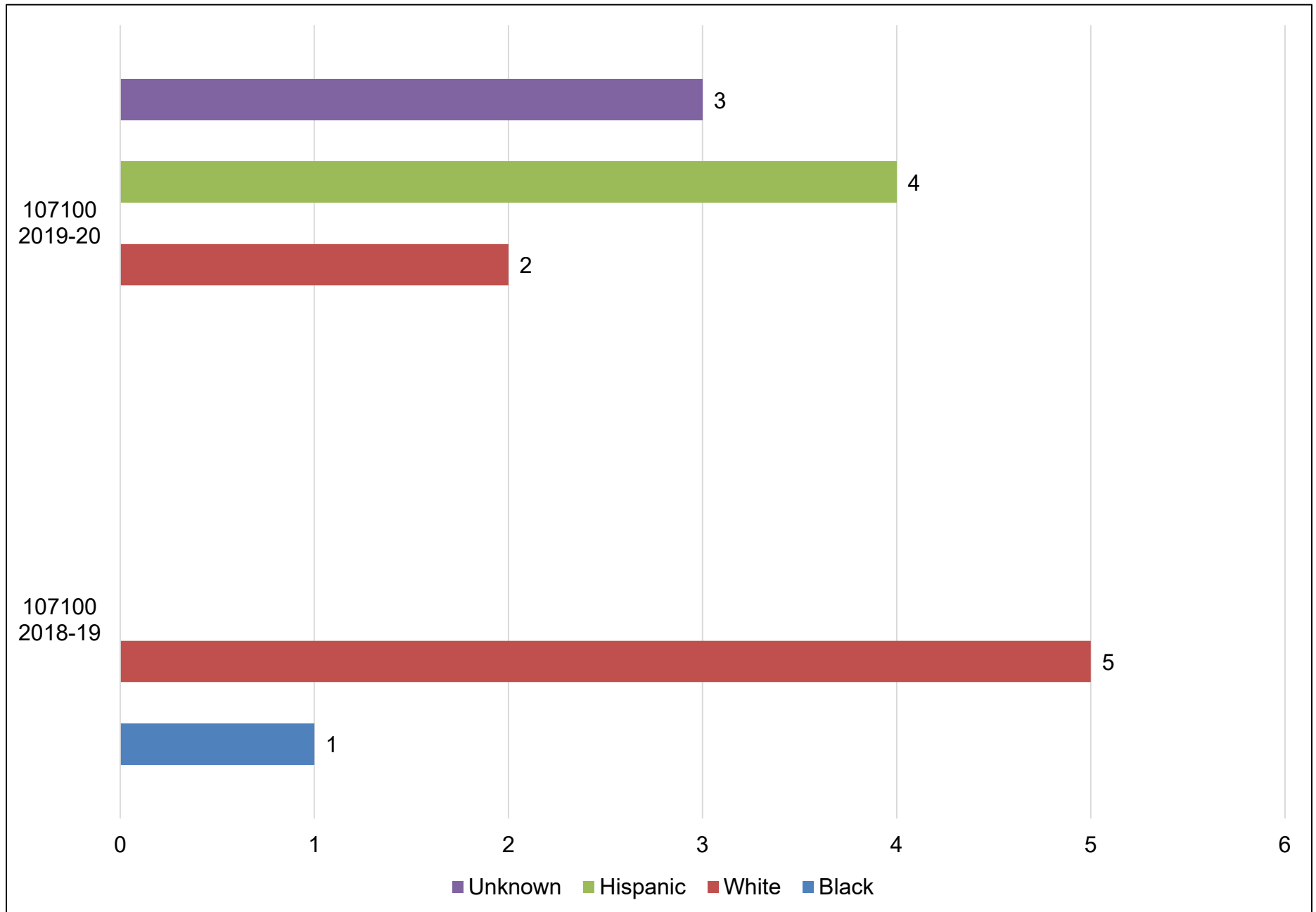
Time to Degree

Major	Average of Years to Completion
107100 – Electrical Non-Union	3.75

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	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%
	2017	74	6	68	0	0%	43	63.23%	63.23%
	2018	83	9	74	0	0%	53	71.62%	71.62%

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	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%
	FA17 to FA18	Black	6	1	5	2	40%
		Hispanic	16	0	16	10	62.5%
		Two or More Races	2	0	2	0	0%
		Unknown	5	0	5	4	80%
		White	45	5	40	27	67.5%
	FA18 to FA19	Black	7	0	7	3	42.9%
		Hispanic	17	4	13	9	69.2%
		Native Hawaiian	1	0	1	1	100%
		Unknown	5	3	2	1	50%
		White	53	2	51	39	76.5%

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.

Retention Rates by Gender

Major	Cohort	Gender	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						N	%
1071 ELECTRICIAN APPR - NON-UNION	FA17 to FA18	Female	2	0	2	2	100%
		Male	72	6	66	41	62.1%
	FA18 to FA19	Female	2	0	2	2	100%
		Male	79	9	70	51	72.9%
		Unknown	2	0	2	0	0%

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%	$**,***

*Currently Inactive Program
N/A - No placement data for the program.
$**,*** Less than 10 graduates found employed.

■ 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

Course Success Rates

Major and Associated Courses (All courses are Lecture at the ATC)	2016-2017		2017-2018		2018-2019		2019-2020		
	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	
BCA0340L	9	100%	12	100%	10	90%	9	100%	↑
BCA0341	9	100%	12	100%	9	100%	9	100%	
BCA0341L	9	100%	12	83%	9	89%	9	100%	↑
BCA0342	9	100%	12	92%	9	100%	9	100%	
BCA0342L	9	100%	11	91%	9	100%	9	100%	
BCA0343L			9	100%	11	91%	9	100%	
BCA0350	21	81%	35	69%	42	79%	39	92%	↑
BCA0350L	21	81%	35	80%	42	79%	39	95%	
BCA0351	19	79%	26	92%	31	87%	30	90%	
BCA0351L	19	95%	25	100%	31	87%	33	91%	
BCA0352L			18	78%	25	100%	31	84%	
BCA0353	17	82%	13	77%	24	96%	25	84%	
BCA0353L	17	76%	15	80%	24	96%	25	88%	
BCA0354	14	79%	11	91%	23	91%	20	95%	↑
BCA0354L	14	100%	10	100%	23	96%	23	87%	
BCA0355L			14	71%	10	100%	23	87%	
BCA0356	12	100%	12	83%	9	100%	19	100%	
BCA0356L	12	100%	14	71%	9	100%	19	100%	
BCA0357	12	100%	10	90%	9	100%	19	95%	
BCA0357L	12	100%	10	90%	9	100%	19	100%	
Major Total	235	90%	316	85%	368	91%	418	93%	↑

Row label spanning the course rows: 1071 - ELECTRICIAN APPR - NON-UNION

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
1071 - Electrician - Non-Union	368	91%	418	93%
BCA0340L	10	90%	9	100%
Hispanic	4	100%	1	100%
White	3	67%	8	100%
BCA0341	9	100%	9	100%
Hispanic	4	100%	1	100%
White	2	100%	8	100%
BCA0341L	9	89%	9	100%
Hispanic	4	75%	1	100%
White	2	100%	8	100%
BCA0342	9	100%	9	100%
Hispanic	4	100%	1	100%
White	2	100%	8	100%
BCA0342L	9	100%	9	100%
Hispanic	4	100%	1	100%
White	2	100%	8	100%
BCA0343L	11	91%	9	100%
Hispanic	1	100%	4	100%
Unknown			3	100%
White	9	89%	2	100%
BCA0350	42	79%	39	92%
Asian			1	100%
Black	6	67%	3	67%
Hispanic	7	71%	5	100%
Two or More Races			2	100%
White	27	81%	28	93%

Program, Course, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
BCA0350L	42	79%	39	95%
Asian			1	100%
Black	6	67%	3	67%
Hispanic	7	71%	5	100%
Two or More Races			2	100%
White	27	81%	28	96%
BCA0351	31	87%	30	90%
Asian			1	100%
Black	4	75%	1	100%
Hispanic	5	100%	5	80%
Two or More Races			1	100%
White	20	85%	22	91%
BCA0351L	31	87%	33	91%
Asian			1	100%
Black	4	100%	1	100%
Hispanic	5	80%	5	80%
Two or More Races			2	50%
White	20	85%	24	96%
BCA0352L	25	100%	31	84%
Black	2	100%	4	75%
Hispanic	5	100%	5	100%
Native Hawaiian			1	100%
Unknown	1	100%	1	100%
White	17	100%	20	80%
BCA0353	24	96%	25	84%
Black	1	100%	2	50%
Hispanic	5	80%	4	100%
Native Hawaiian			1	100%
Unknown	1	100%	1	100%
White	17	100%	17	82%
BCA0353L	24	96%	25	88%
Black	1	100%	2	100%
Hispanic	5	80%	4	100%
Native Hawaiian			1	100%
Unknown	1	100%	1	100%
White	17	100%	17	82%

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)

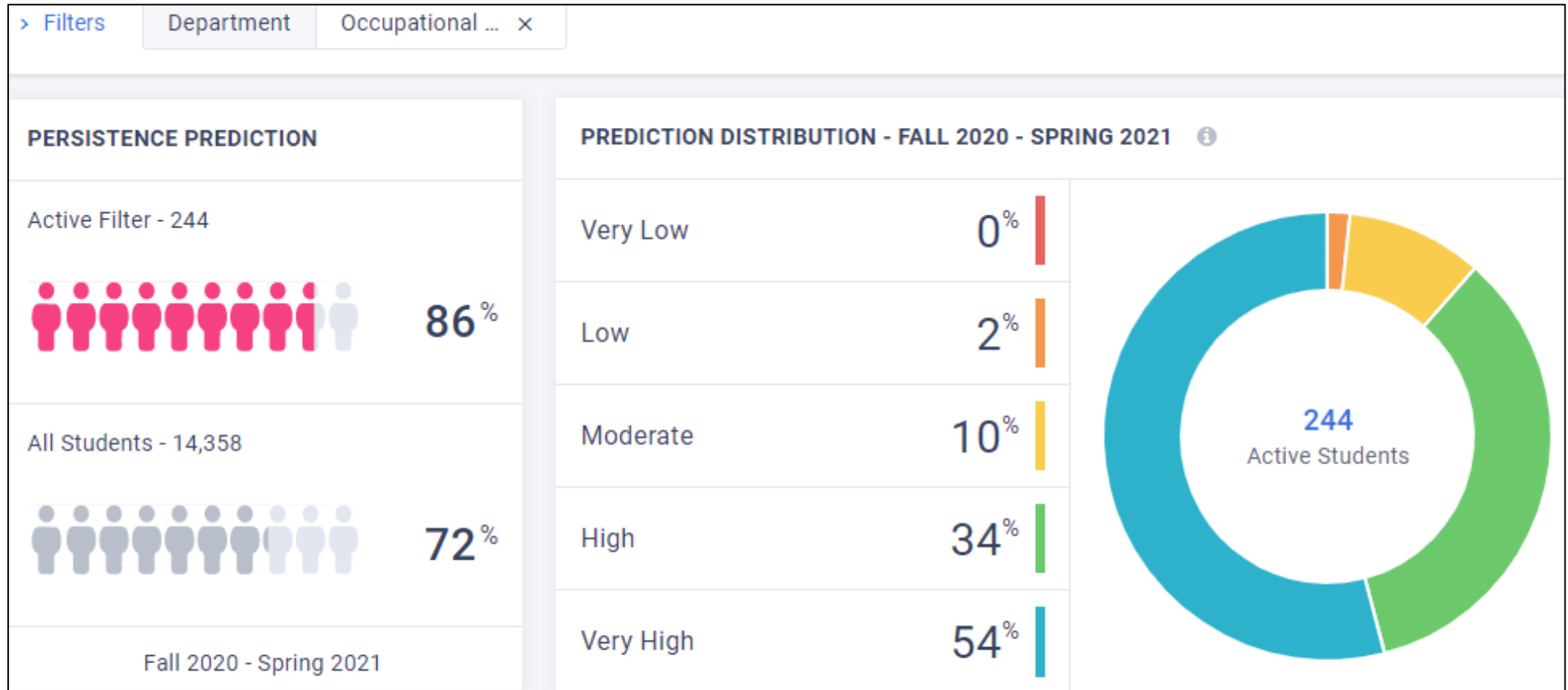| Program, Course, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
BCA0354	23	91%	20	95%
Black	1	100%	2	100%
Hispanic	4	100%	4	100%
Native Hawaiian			1	100%
White	17	94%	13	92%
BCA0354L	23	96%	23	87%
Black	1	100%	2	50%
Hispanic	4	100%	4	100%
Native Hawaiian			1	100%
Unknown	1	100%	1	100%
White	17	94%	15	87%
BCA0355L	10	100%	23	87%
Black			1	100%
Hispanic	1	100%	4	100%
Unknown			1	0%
White	9	100%	17	88%
BCA0356	9	100%	19	100%
Black			1	100%
Hispanic	1	100%	4	100%
White	8	100%	14	100%
BCA0356L	9	100%	19	100%
Black			1	100%
Hispanic	1	100%	4	100%
White	8	100%	14	100%
BCA0357	9	100%	19	95%
Black			1	100%
Hispanic	1	100%	4	100%
White	8	100%	14	93%
BCA0357L	9	100%	19	100%
Black			1	100%
Hispanic	1	100%	4	100%
White	8	100%	14	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 and Ethnicity

Program, Course, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
Asian			4	100%
Black	27	81%	25	80%
Hispanic	73	89%	70	97%
Native Hawaiian	4	100%	5	100%
Two or More Races			7	86%
Unknown	24	96%	8	88%
White	240	92%	299	93%
Grand Total	368	91%	418	93%

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

Captured on 9/22/2020