ASSESSMENT DAY

Mary Karl College of Workforce and Continuing Education
School of Occupational Apprenticeships
Electrical Apprentice - Union
February 9, 2022

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

[1072 - Electrical Apprentice - Union]

Electrical Apprentice – Union

Last Assessment Day Action Items

Last Assessment Day (10-10-2020)

- Work with Marketing to use new logo “You belong here,” and to attract female students;
- Work with Records to auto graduate the students who complete course work and OJT hours;
- Explaining expectations in pre-apprenticeship program;

For IE:

  - Karla send Robert list of students from Civitas;
  - 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.

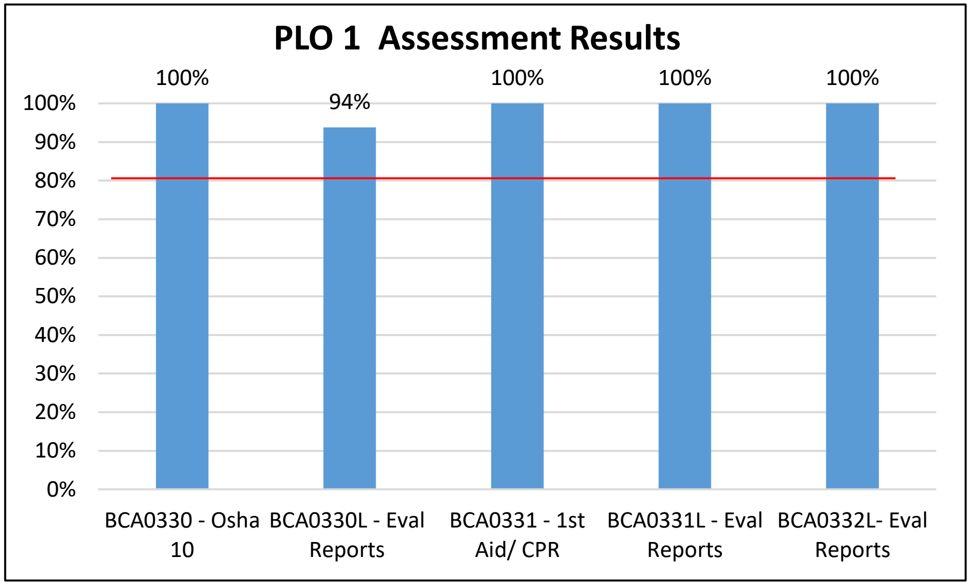
PLO 2: Demonstrate proper usage of different tools, equipment, materials and electrical products used in the trade.

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

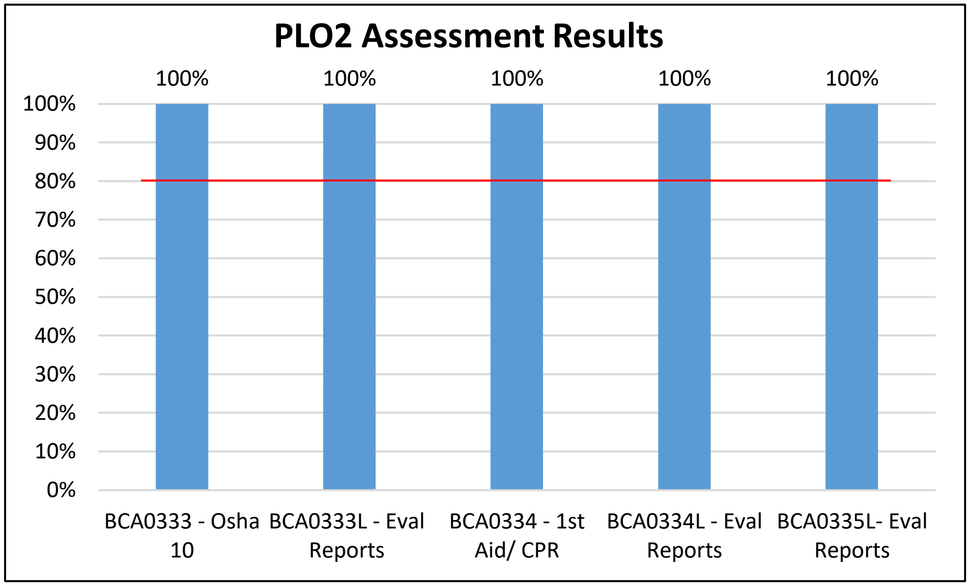
PLO 4: Demonstrate skills in the residential, commercial and industrial markets.

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

Assessment Results 2020-2021

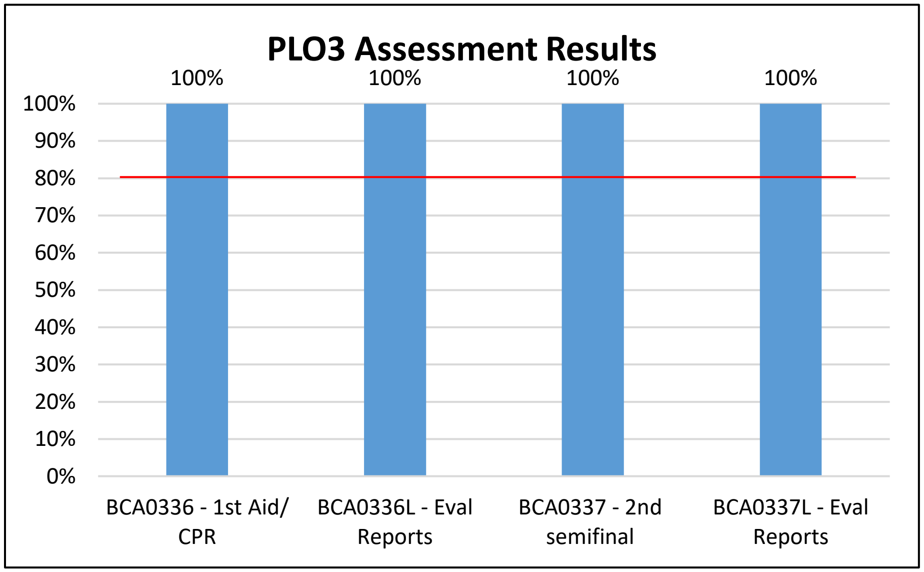


PLO1: Demonstrate the ability to follow OSHA and the National Electrical Code. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*



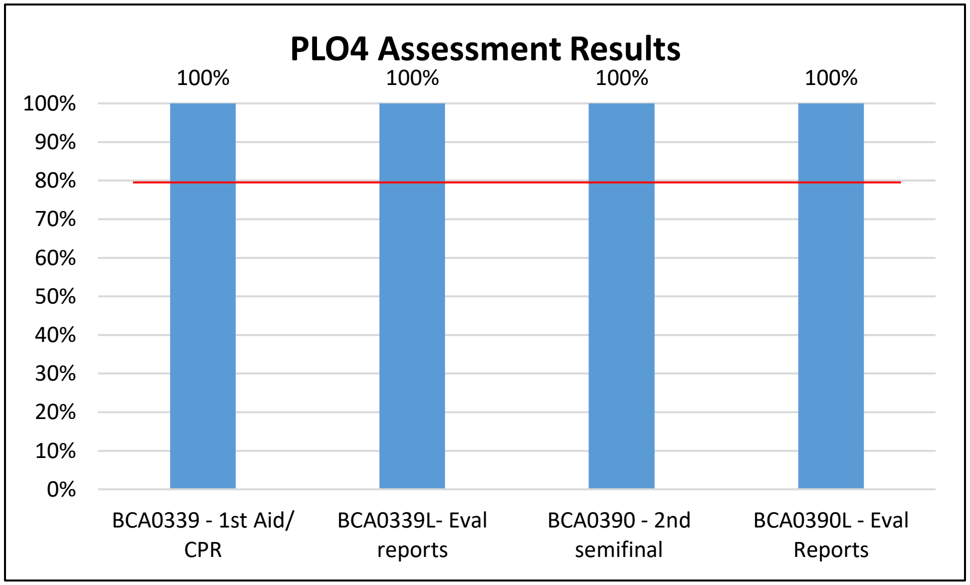
PLO2: Demonstrate proper usage of different tools, equipment, materials and electrical products used in the trade. *Target:80% of student will achieve 75% or higher – Semifinal Osha 10 80% of students will achieve 75% or higher in Eval reports*

Assessment Results 2020-2021

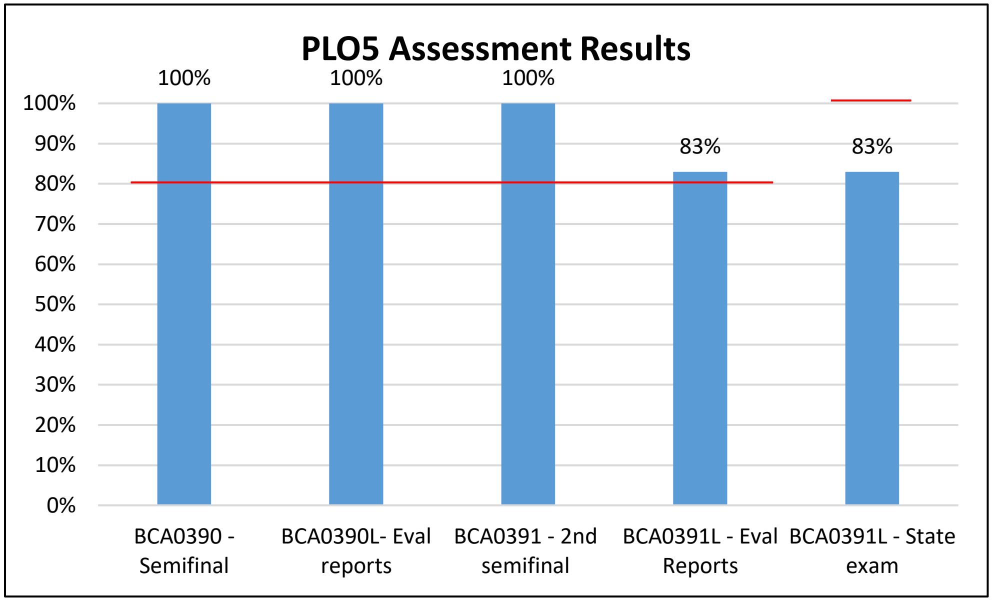


PLO3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

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 2020-2021



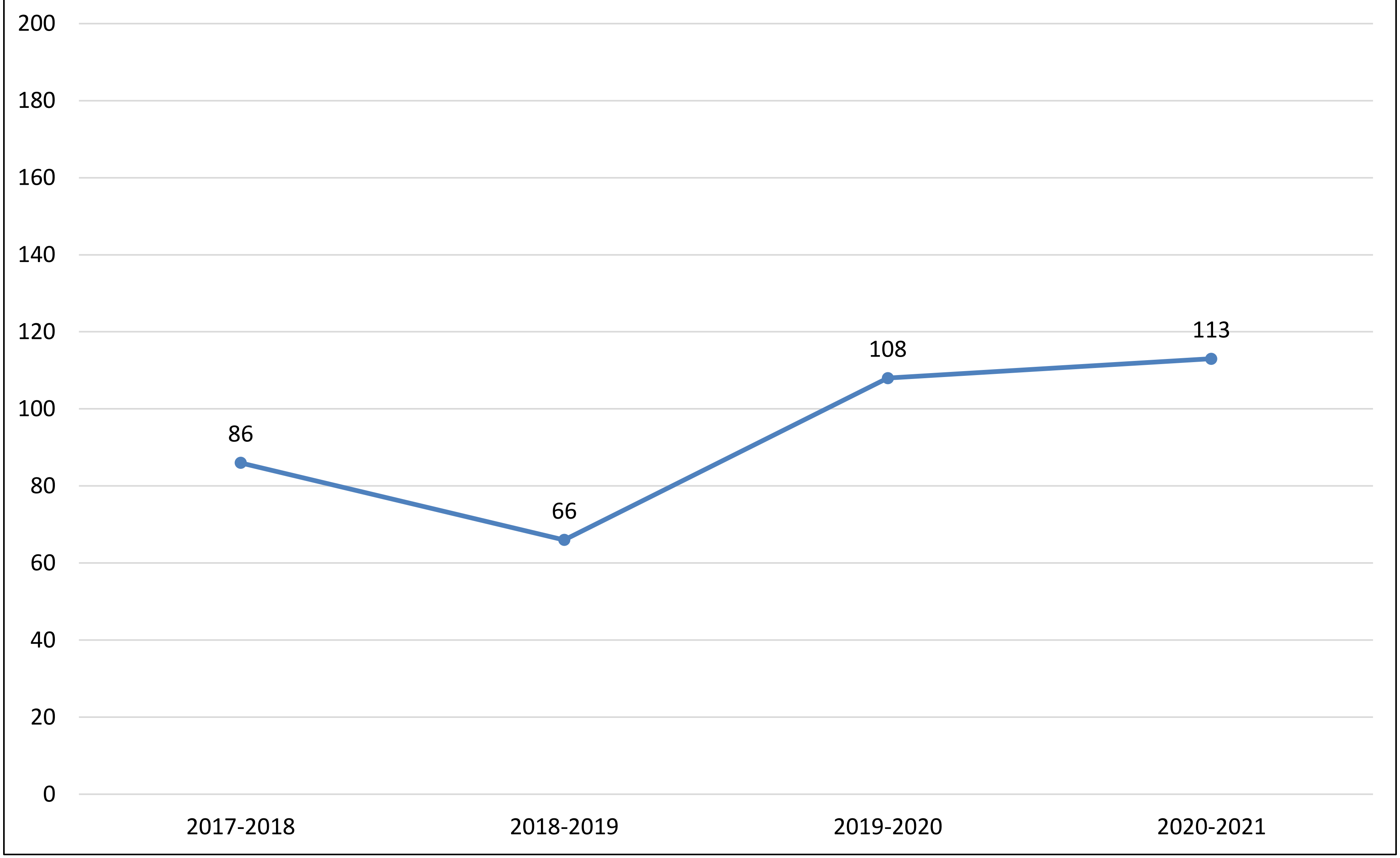
PLO5: Demonstrate the ability to develop and implement projects related to the field.
Target: 80% of student will achieve 75% or higher – Semifinal Osha 10
80% of students will achieve 75% or higher in Eval reports
All students will have an up to date 1st Aid, CPR, and AED card. All students will have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

Assessment Data
Program vs. Institutional Learning Outcomes

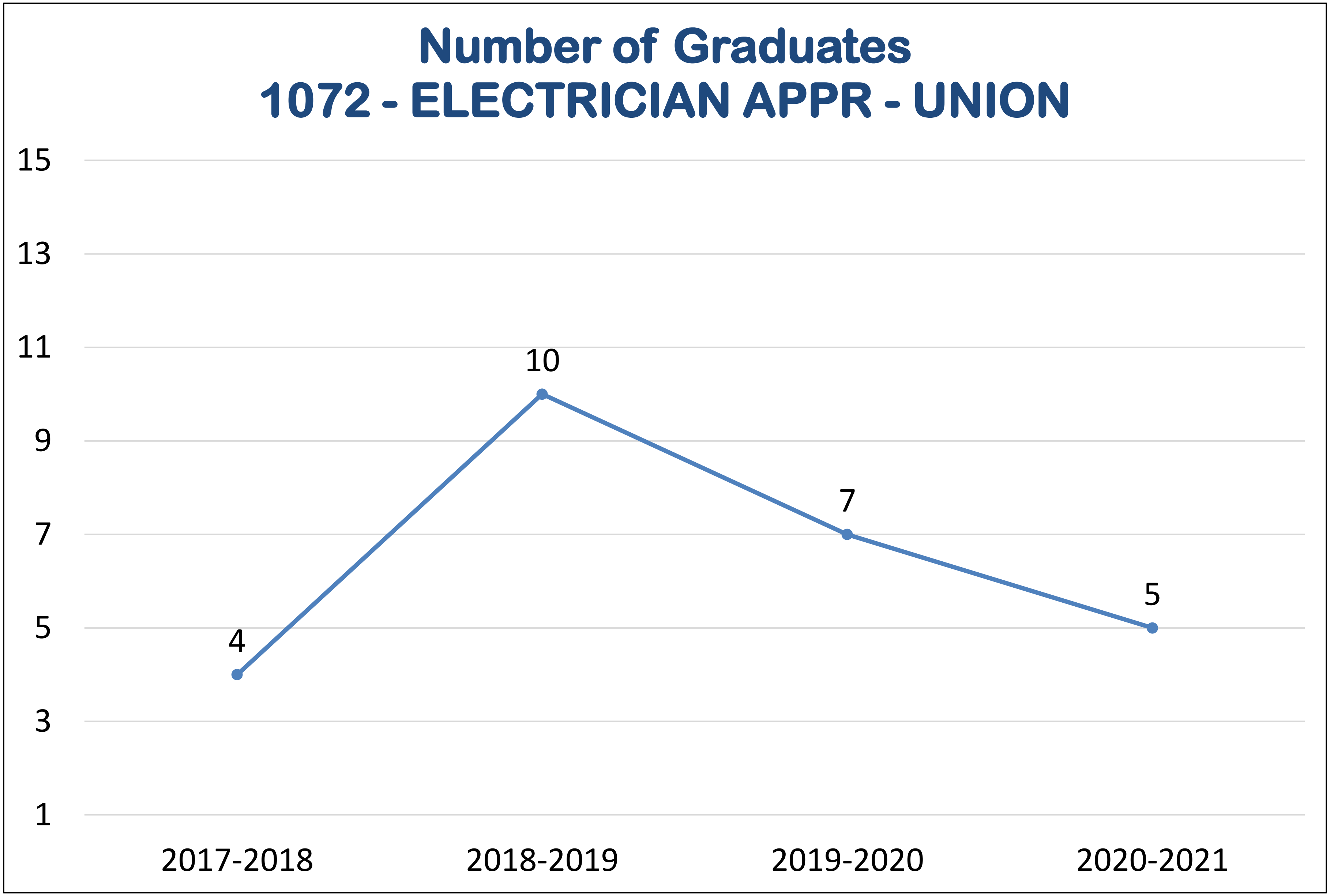
Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	19/20	20/21	19/20	20/21	19/20	20/21	19/20	20/21
1072 - ELECTRICIAN APPR - UNION	100%	100%	100%	100%	100%	100%	100%	100%

Source: School of Education Assessment Reports

Headcount
1072 - ELECTRICIAN APPR - UNION



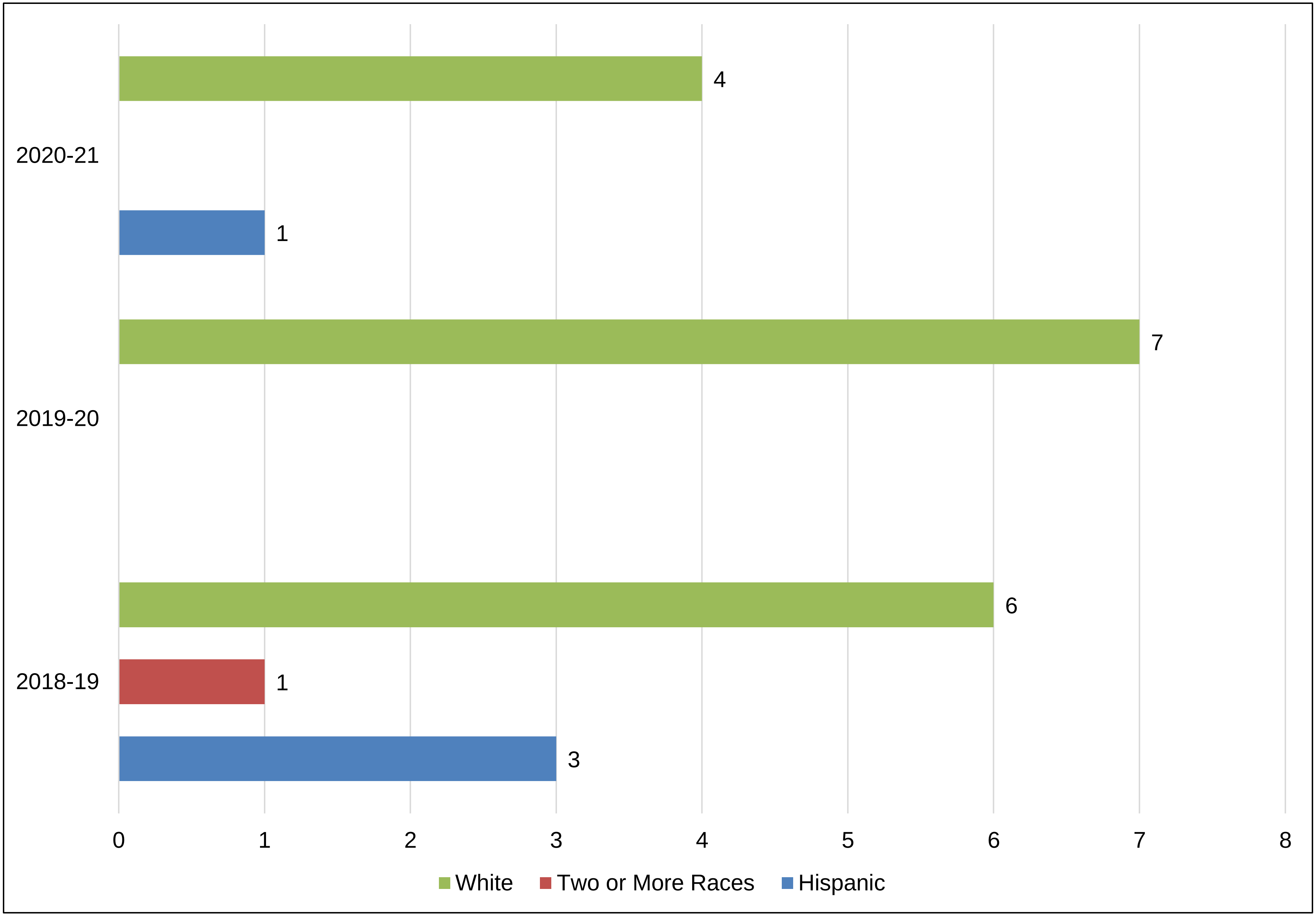
Source: IR Program Assessment Data



Number of Graduates
1072 - ELECTRICIAN APPR - UNION

Source: IR Program Assessment Data

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



Source: IR Program Assessment Data

Time to Degree

Major	Average Years to Completion	
	2019-2020 Graduate Cohort	2020-2021 Graduate Cohort
107200 – Electrical Union	3.21	3.75

Source: IR Program Assessment Data

Graduation Rates

Major	Fall Cohort Year	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
107200 - Electrician Appren. - Union	2012	20	6	30%	6	30%
	2013 – 200% in progress	18	4	22.2%	4	22.2%
	2014 – In progress	18	10	55.6%	10	55.6%

Fall Cohort Year includes prior Summer term enrollment in major.

Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Graduation Rates by Race /Ethnicity

Major	Fall Cohort Year	Race/Ethnicity	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
107200 - Electrician Appren. -Union	2012	Black	2	0	0%	0	0%
		Hispanic	2	0	0%	0	0%
		White	16	6	37.5%	6	37.5%
	2013 – 200% in progress	White	18	4	22.2%	4	22.2%
	2014 – In progress	Asian	1	0	0%	0	0%
		Hispanic	5	3	60%	3	60%
		Two or More Races	2	1	50%	1	50%
		White	10	6	60%	6	60%

Fall Cohort Year includes prior Summer term enrollment in major.

Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Graduation Rates By Gender

Major	Fall Term	Gender	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
107200 - Electrician Appren. - Union	2012	Female	1	1	100%	1	100%
		Male	19	5	26.3%	5	26.3%
	2013	Male	18	4	22.2%	4	22.2%
	2014	Female	1	1	100%	1	100%
		Male	17	9	52.9%	9	52.9%

Source: IR Program Assessment Data

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%
	2019	97	5	92	0	0%	55	59.8%	59.8%

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%
	FA19 to FA20	Black	5	0	5	3	60%
		Hispanic	17	1	16	8	50%
		Two or More Races	4	0	4	3	75%
		Unknown	2	0	2	0	0%
		White	69	4	65	41	63.1%

**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	Retained by Program %
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%
	FA19 to FA20	Female	4	1	3	2	66.7%
		Male	88	4	84	52	61.9%
		PrefNoAns	3	0	3	1	33.3%
		Unknown	2	0	2	0	0%

**one student was retained by DSC*

Source: IR Program Assessment Data

Placement Rates

Major	2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		Average Annual Salary
	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
1071, 1072	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**

Source: IR Program Assessment Data

Course Success Rates

Major and Associated Courses (All Lecture)		2017-2018		2018-2019		2019-2020		2020-2021	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1072 - ELECTRICIAN APPR - UNION	BCA0330	31	81%	38	79%	34	82%	32	72%
	BCA0330L	31	74%	37	78%	33	94%	32	72%
	BCA0331	22	86%	26	100%	30	87%	25	88%
	BCA0331L	20	95%	26	96%	30	100%	25	88%
	BCA0332L					20	100%	13	85%
	BCA0333	30	93%	22	68%	24	67%	34	85%
	BCA0333L	30	87%	22	73%	22	91%	31	100%
	BCA0334	29	79%	14	93%	27	93%	30	87%
	BCA0334L	28	79%	14	93%	25	100%	30	90%
	BCA0335L					7	100%	21	100%
	BCA0336	37	84%	14	100%			42	93%
	BCA0336L	35	89%	14	100%			42	95%
	BCA0337	9	78%	25	96%	28	100%		
	BCA0337L	10	70%	24	100%	28	100%		
	BCA0338	17	100%	24	100%			27	81%
	BCA0338L	17	100%	24	100%			25	92%
	BCA0339	10	100%	31	97%			26	92%
	BCA0339L	10	100%	30	100%			26	92%
	BCA0390	10	90%	7	100%	37	81%		
	BCA0390L	10	100%	7	100%	34	94%		
	BCA0391	4	100%	17	100%	37	89%		
	BCA0391L	4	100%	17	100%	37	97%		
	Major Total	394	87%	433	92%	453	92%	461	88%

🟩 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		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
1072 - Electrician - Union	433	92%	453	92%	461	88%
BCA0330	38	79%	34	82%	32	72%
Black	2	50%	3	67%	3	100%
Hispanic	4	75%	7	71%	6	50%
Two or More Races	1	100%	3	100%	1	100%
Unknown/Prefer not to answer	2	100%	1	100%	1	100%
White	29	79%	20	85%	21	71%
BCA0330L	37	78%	33	94%	32	72%
Black	2	50%	3	100%	3	100%
Hispanic	4	100%	7	86%	6	67%
Two or More Races	1	100%	3	100%	1	100%
Unknown/Prefer not to answer	2	100%	1	100%	1	100%
White	28	75%	19	95%	21	67%
BCA0331	26	100%	30	87%	25	88%
Black			2	100%	3	67%
Hispanic	2	100%	6	83%	5	60%
Two or More Races	1	100%	3	100%	1	100%
Unknown/Prefer not to answer	2	100%	1	0%	1	100%
White	21	100%	18	89%	15	100%
BCA0331L	26	96%	30	100%	25	88%
Black			2	100%	3	67%
Hispanic	2	100%	6	100%	5	60%
Two or More Races	1	100%	3	100%	1	100%
Unknown/Prefer not to answer	2	100%	1	100%	1	100%
White	21	95%	18	100%	15	100%
BCA0332L			20	100%	13	85%
Black					1	0%
Hispanic			4	100%	2	100%
White			16	100%	10	90%
BCA0333	22	68%	24	67%	34	85%
Black					2	100%
Hispanic	4	50%	3	33%	7	71%
Two or More Races	1	0%	1	100%	3	67%
Unknown			1	0%		
White	16	75%	19	74%	22	91%
BCA0333L	22	73%	22	91%	31	100%
Black					2	100%
Hispanic	4	50%	3	100%	5	100%
Two or More Races	1	100%	1	100%	3	100%
White	16	75%	18	89%	21	100%

Program, Course, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
BCA0334	14	93%	27	93%	30	87%
Black					2	100%
Hispanic	2	100%	3	100%	6	67%
Two or More Races			1	100%	2	50%
Unknown			1	100%		
White	11	91%	22	91%	20	95%
BCA0334L	14	93%	25	100%	30	90%
Black					2	100%
Hispanic	2	100%	3	100%	6	67%
Two or More Races			1	100%	2	50%
Unknown			1	100%		
White	11	91%	20	100%	20	100%
BCA0335L			7	100%	21	100%
Hispanic					4	100%
White			7	100%	17	100%
BCA0336					42	93%
Black					3	67%
Hispanic/Latino					4	75%
Two or More Races					2	100%
White					33	97%
BCA0336L					42	95%
Black					3	67%
Hispanic/Latino					4	100%
Two or More Races					2	100%
White					33	97%
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%

Source: IR Program Assessment Data

Course Success Rate By Race/Ethnicity (2 of 2)

Program, Course, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
BCA0338					27	81%
Black					1	100%
Hispanic/Latino					2	50%
Two or More Races					1	100%
White					23	83%
BCA0338L					25	92%
Black					1	100%
Hispanic/Latino					2	100%
Two or More Races					1	100%
White					21	90%
BCA0339					26	92%
Black					1	100%
Hispanic/Latino					2	100%
Two or More Races					1	100%
White					22	91%
BCA0339L					26	92%
Black					1	100%
Hispanic/Latino					2	50%
Two or More Races					1	100%
White					22	95%

Program, Course, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
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%		

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Source: IR Program Assessment Data

Course Success Rate By Race and Ethnicity

Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
Black	10	80%	16	94%	31	84%
Hispanic	58	91%	70	91%	68	74%
Two or More Races	8	88%	18	100%	22	86%
Unknown/Prefer not to answer	8	100%	7	71%	4	100%
White	349	93%	342	92%	336	92%
Grand Total	433	92%	453	92%	461	88%

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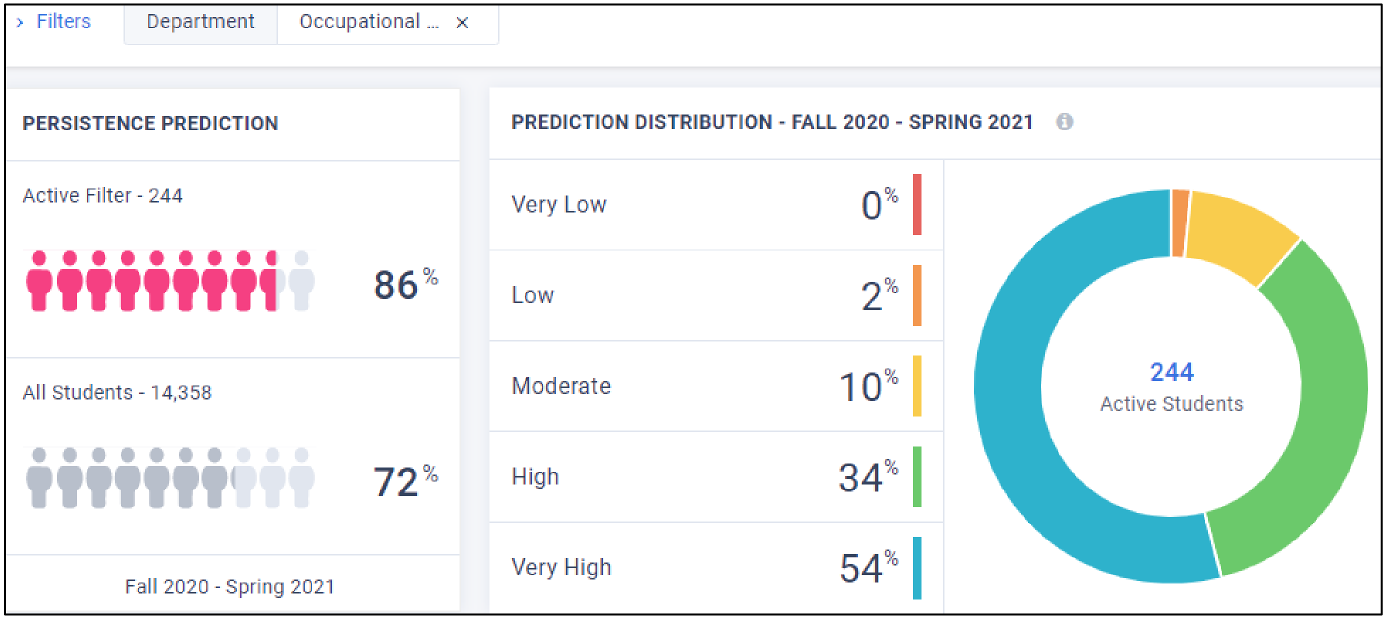
Civitas

Captured on 9/22/2020



› Filters | Department | Occupational ... ×

PERSISTENCE PREDICTION

Active Filter - 244

86 %

All Students - 14,358

72 %

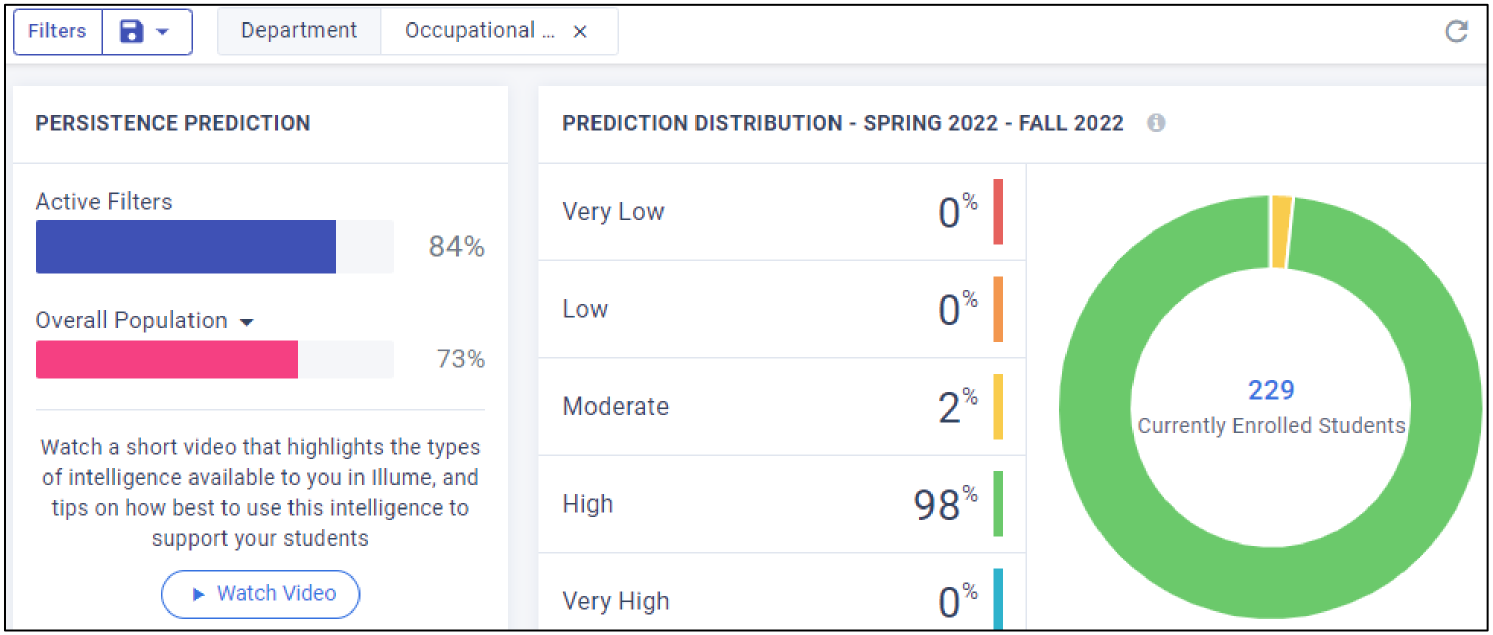
Fall 2020 - Spring 2021

PREDICTION DISTRIBUTION - FALL 2020 - SPRING 2021

Very Low	0 %
Low	2 %
Moderate	10 %
High	34 %
Very High	54 %

244
Active Students

Captured on 1/24/2022



Filters | Department | Occupational ... ×

PERSISTENCE PREDICTION

Active Filters 84%

Overall Population ▾ 73%

Watch a short video that highlights the types of intelligence available to you in Illume, and tips on how best to use this intelligence to support your students

▶ Watch Video

PREDICTION DISTRIBUTION - SPRING 2022 - FALL 2022

Very Low	0 %
Low	0 %
Moderate	2 %
High	98 %
Very High	0 %

229
Currently Enrolled Students

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	• 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

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.

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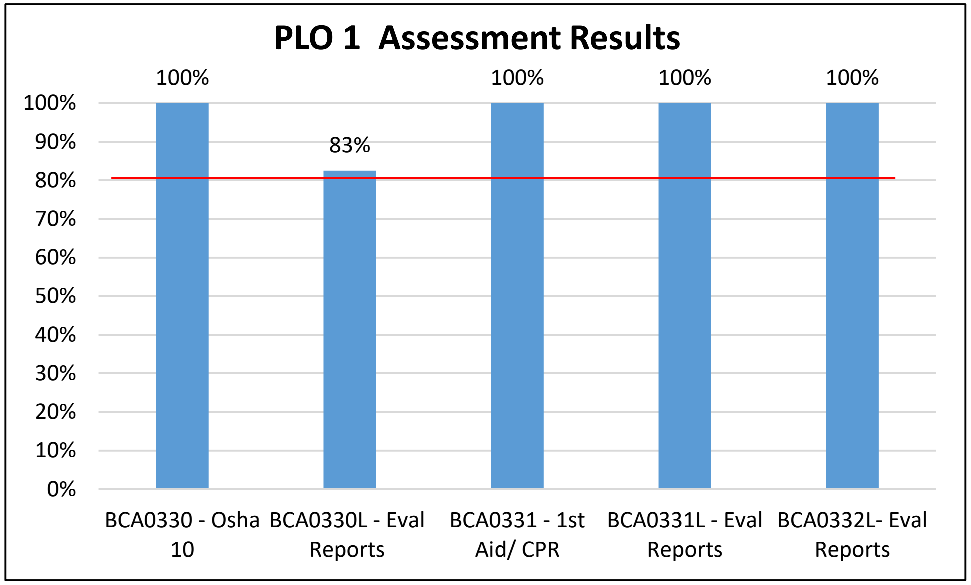
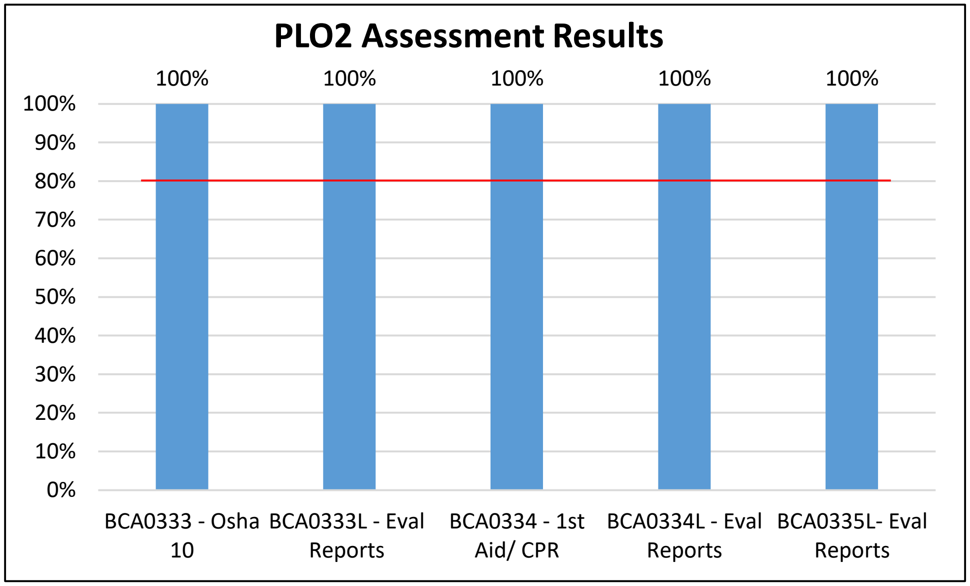
PLO 5: Demonstrate the ability to develop and implement projects related to the field.

Assessment Results 2019-2020

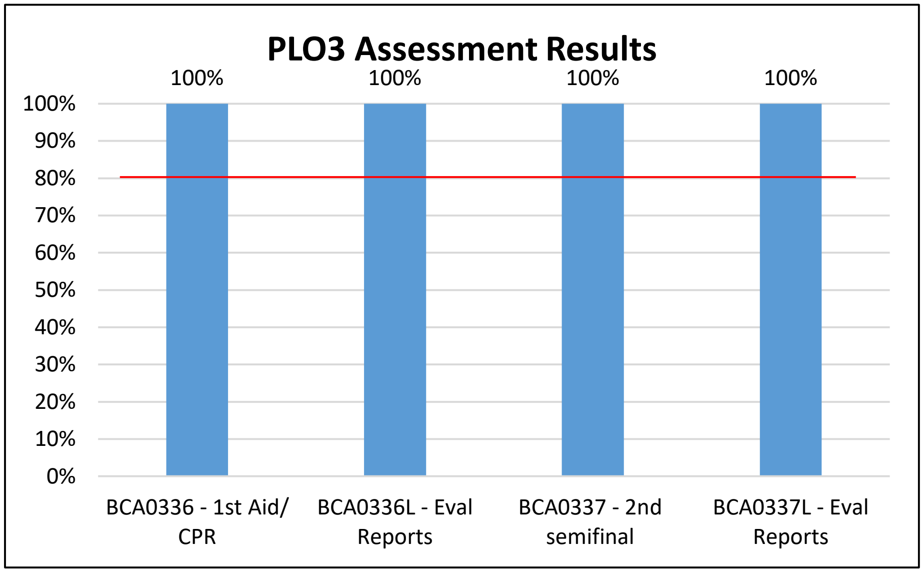


PLO1: Demonstrate the ability to follow OSHA and the National Electrical Code. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*



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*

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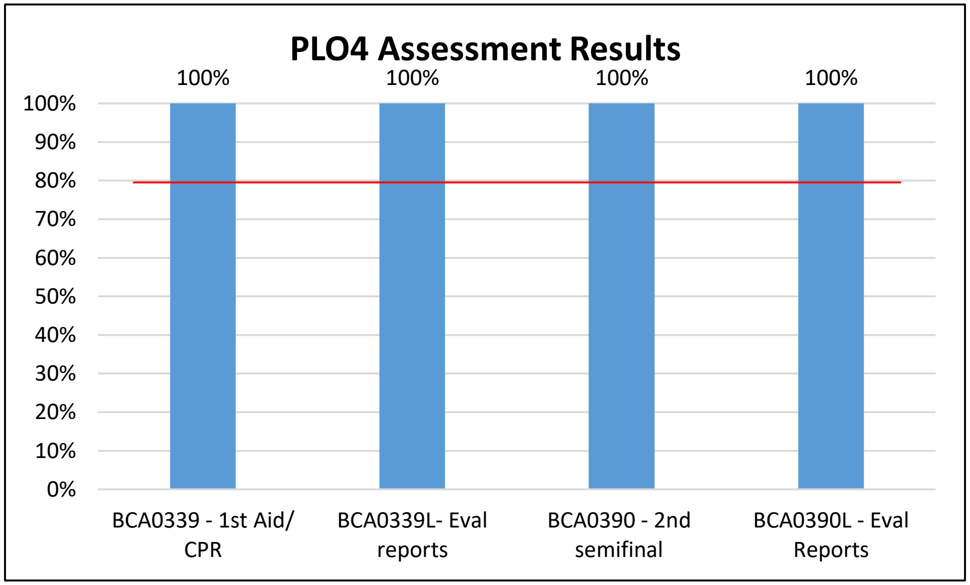
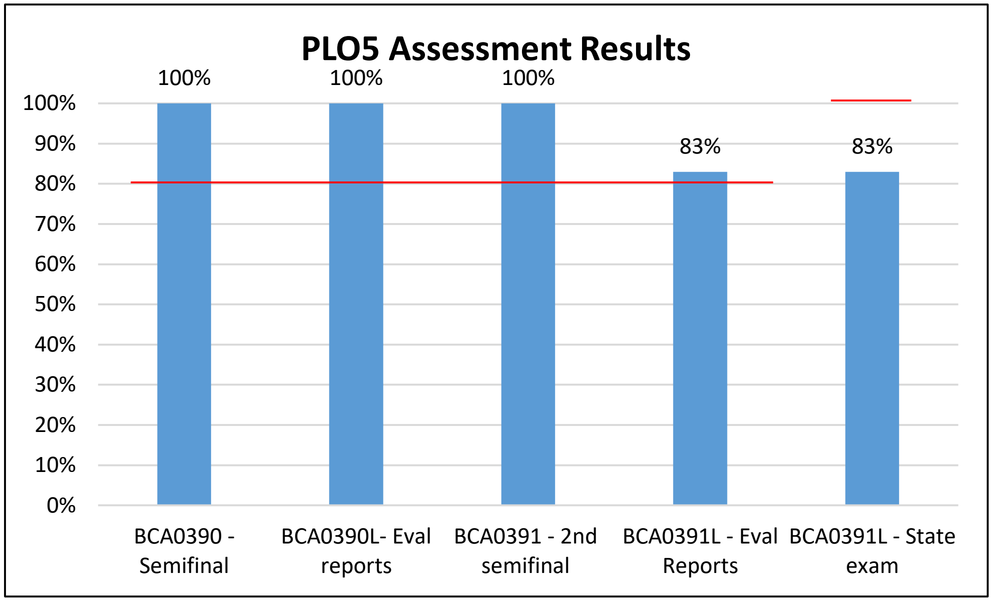


Assessment Results 2019-2020

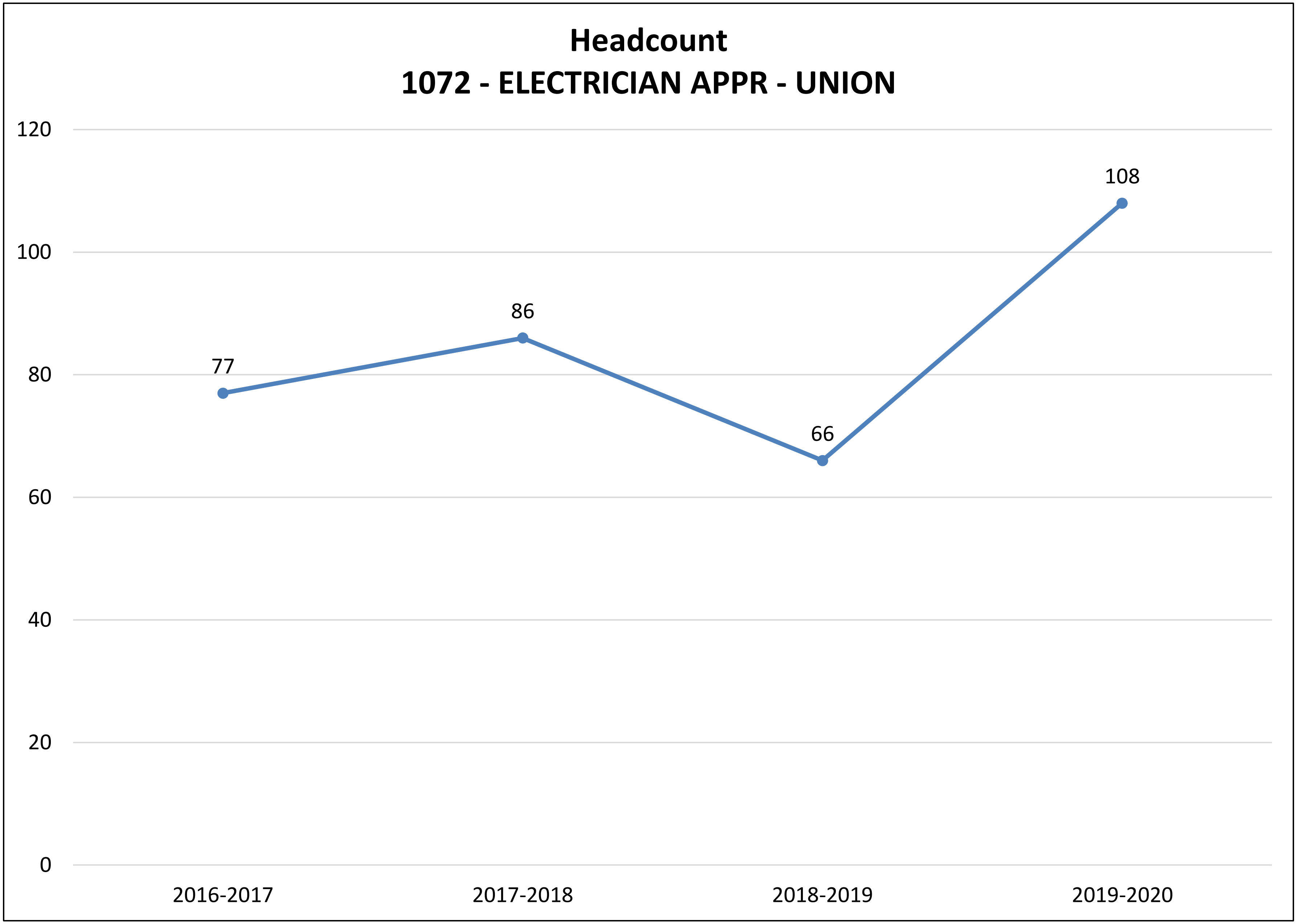


PLO5: Demonstrate the ability to develop and implement projects related to the field.
Target: 80% of student will achieve 75% or higher – Semifinal Osha 10
80% of students will achieve 75% or higher in Eval reports
All students will have an up to date 1st Aid, CPR, and AED card. All students will have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

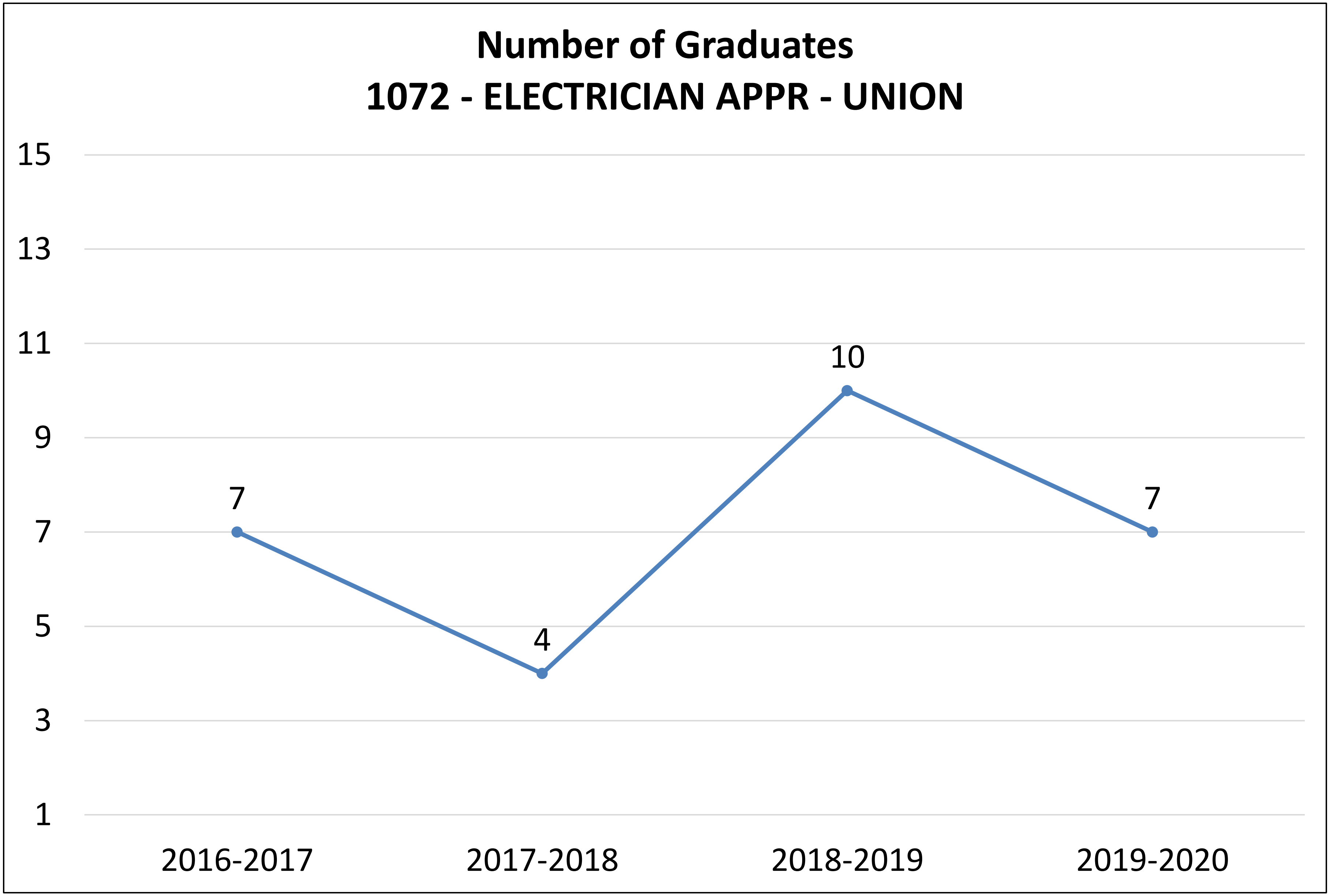
Assessment Data
Program vs. Institutional Learning Outcomes

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: School of Education Assessment Reports

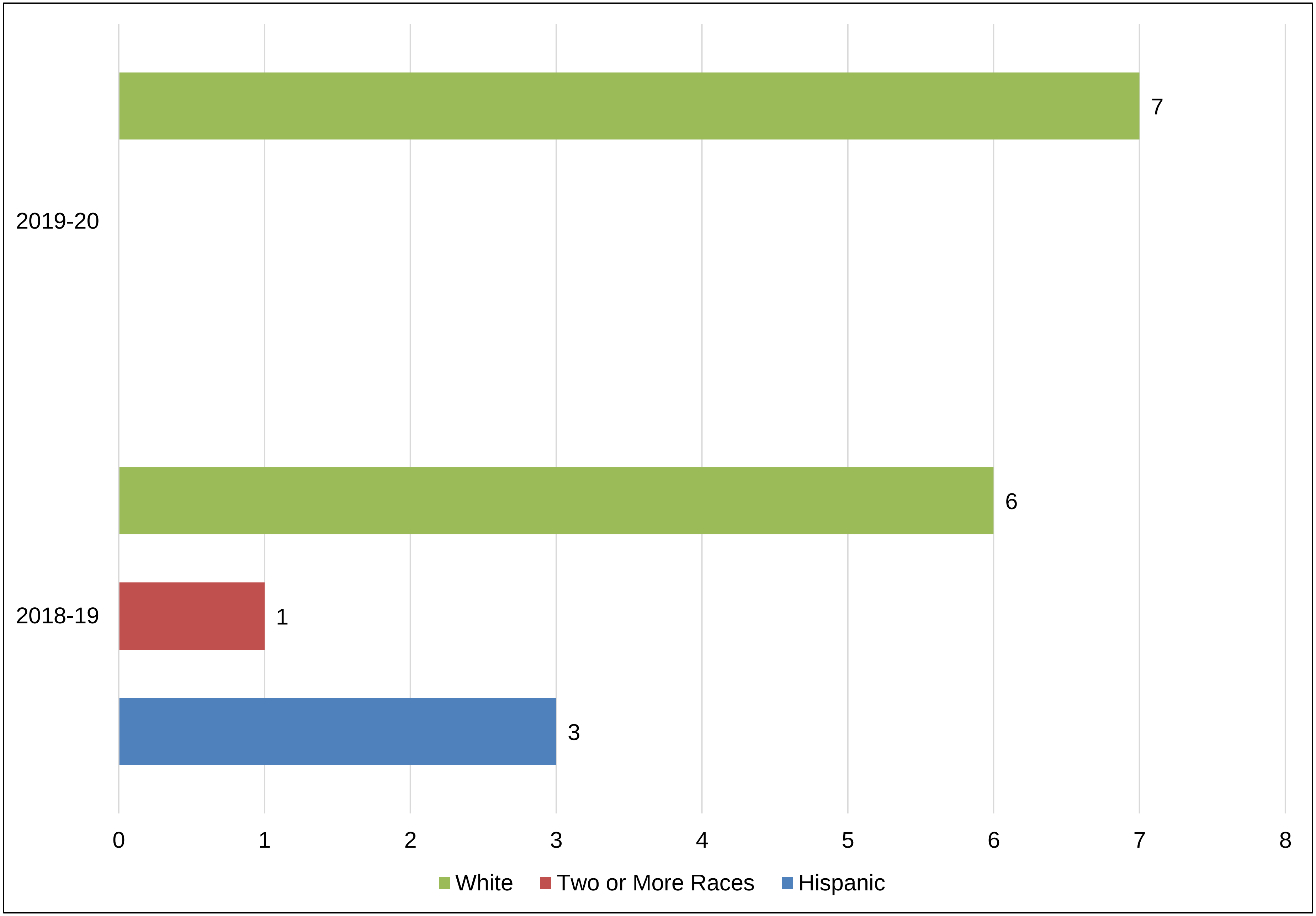


Source: IR Program Assessment Data



Source: IR Program Assessment Data

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



Source: IR Program Assessment Data

Time to Degree

Major	Average of Years to Completion
107200 – Electrical Union	3.21

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	%	%
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%

**one student was retained by DSC*

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

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	Retained by Program %
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*

Source: IR Program Assessment Data

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%

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🟨 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%

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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**
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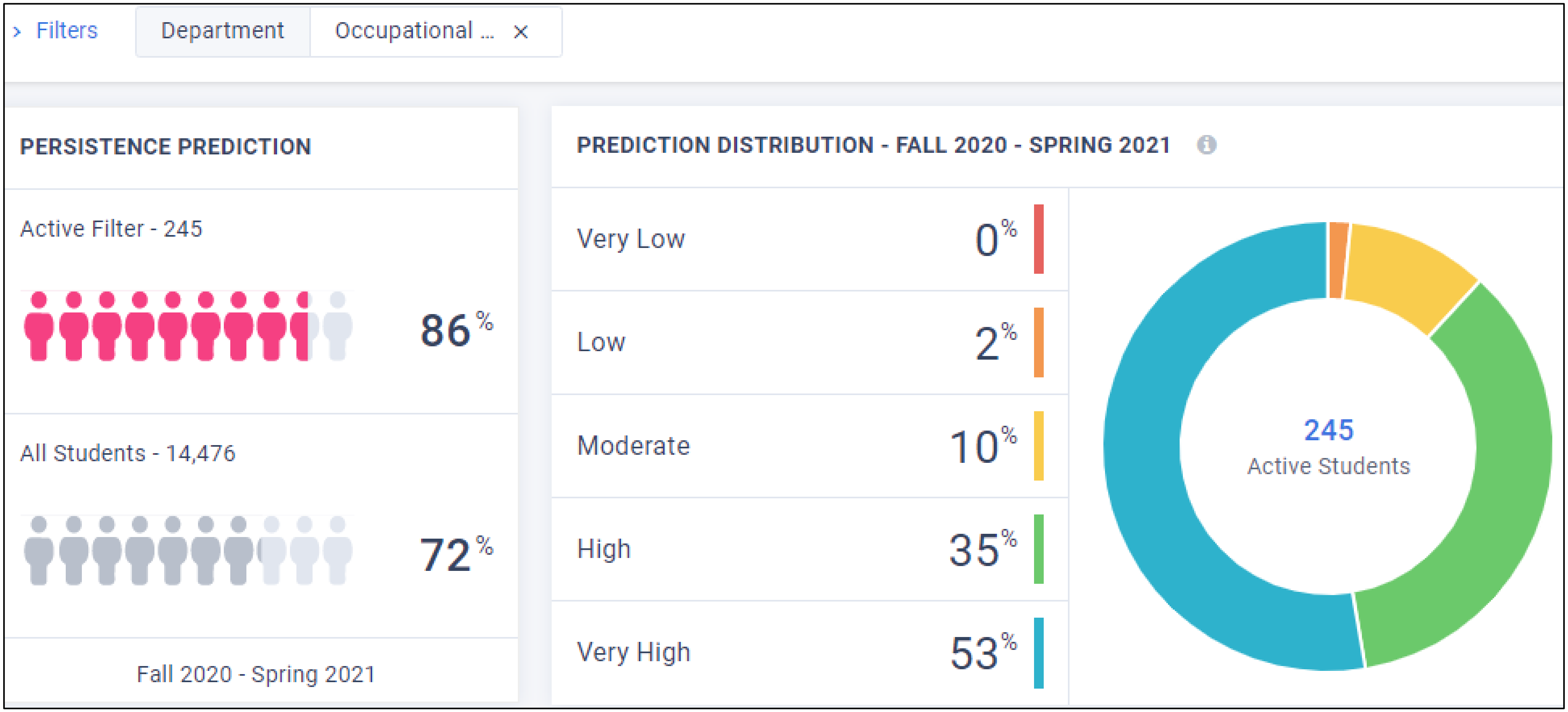
Source: IR Program Assessment Data

Civitas



› Filters | Department | Occupational ... ×

PERSISTENCE PREDICTION

Active Filter - 245

86%

All Students - 14,476

72%

Fall 2020 - Spring 2021

PREDICTION DISTRIBUTION - FALL 2020 - SPRING 2021

Very Low	0%
Low	2%
Moderate	10%
High	35%
Very High	53%

245
Active Students

Screen captured on 9/25/2020

ASSESSMENT DAY

Mary Karl College of Workforce and Continuing Education
School of Occupational Apprenticeships
Electrical Apprentice - Union
April 8, 2020
(via Skype for Business)

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

[1072 - Electrical Apprentice - Union]

Action Items from Last Assessment Day

Last Assessment Day: 04/17/2019

- Create a more inclusive atmosphere;
- Mentorship program using students;
- Include National trends for graduation and retention;
- Provide a better orientation for the instructors;
- Increase 1st year retention;
- IE: Set a meeting with Karen Sanders for letter they send out to admitted students.

Electrical Apprentice - Union #1072
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.

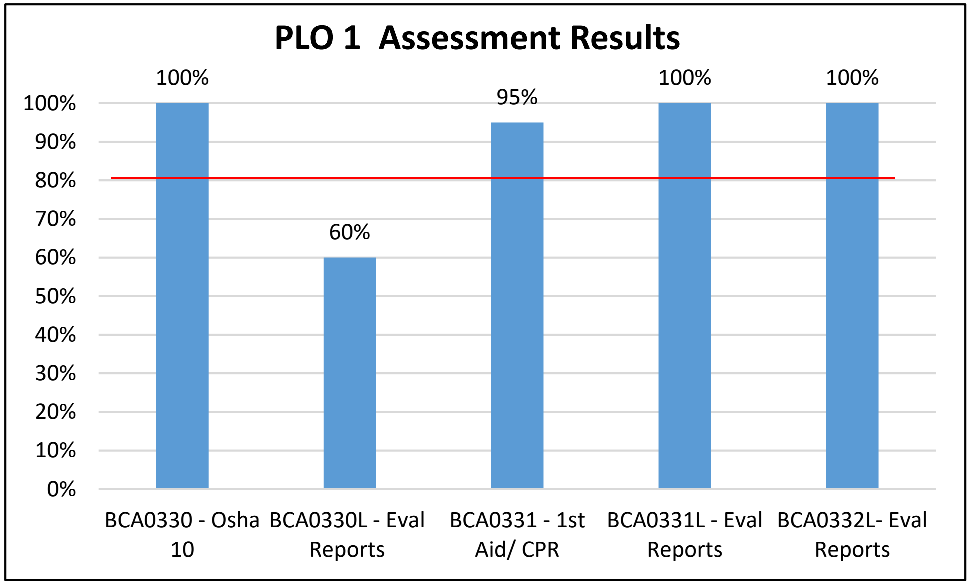
PLO 2: Identify and use different tools, equipment, materials and electrical products used in the trade.

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

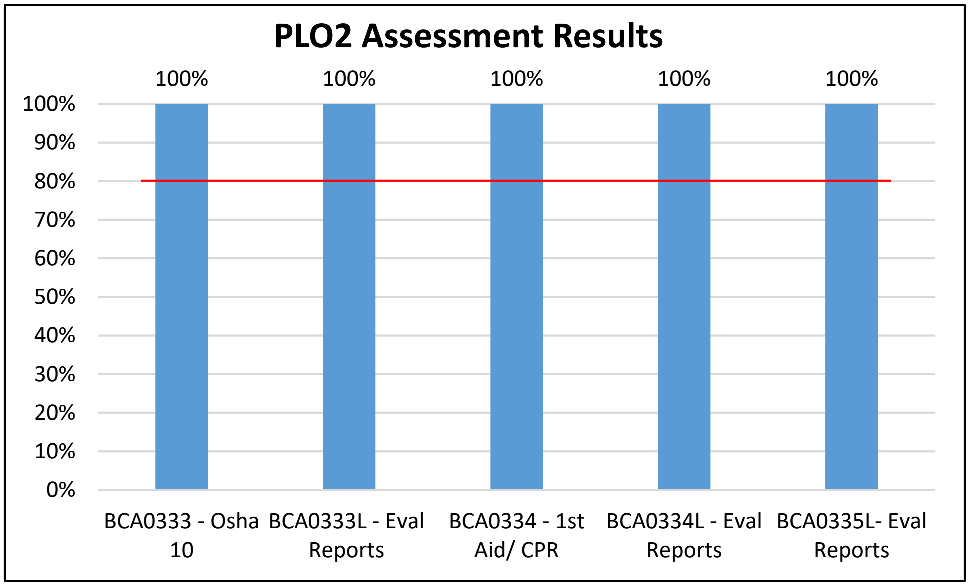
PLO 4: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

PLO 5: Demonstrate the ability to plan and initiate projects related to the field.

Assessment Results 2018-2019

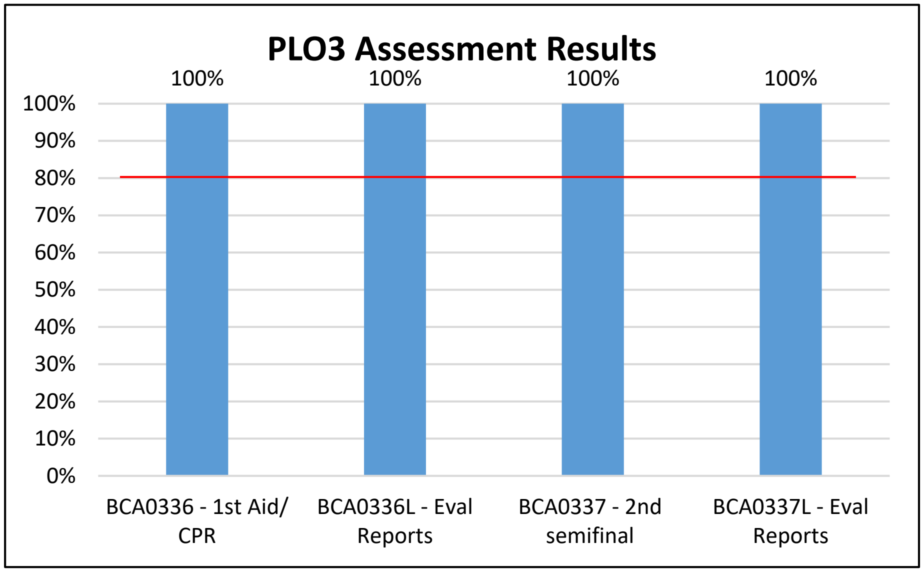


PLO1: Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

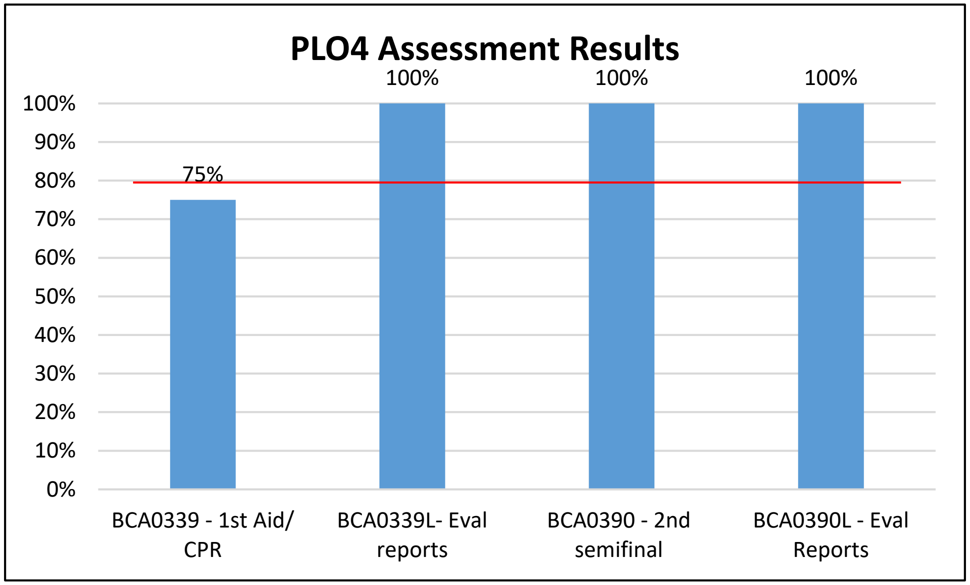


PLO2: Identify and use different tools, equipment, materials and electrical products used in the trade. *Target:80% of student will achieve 75% or higher – Semifinal Osha 10 80% of students will achieve 75% or higher in Eval reports*

Assessment Results 2018-2019



PLO3: Demonstrate proficiency 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 knowledge and skill 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*

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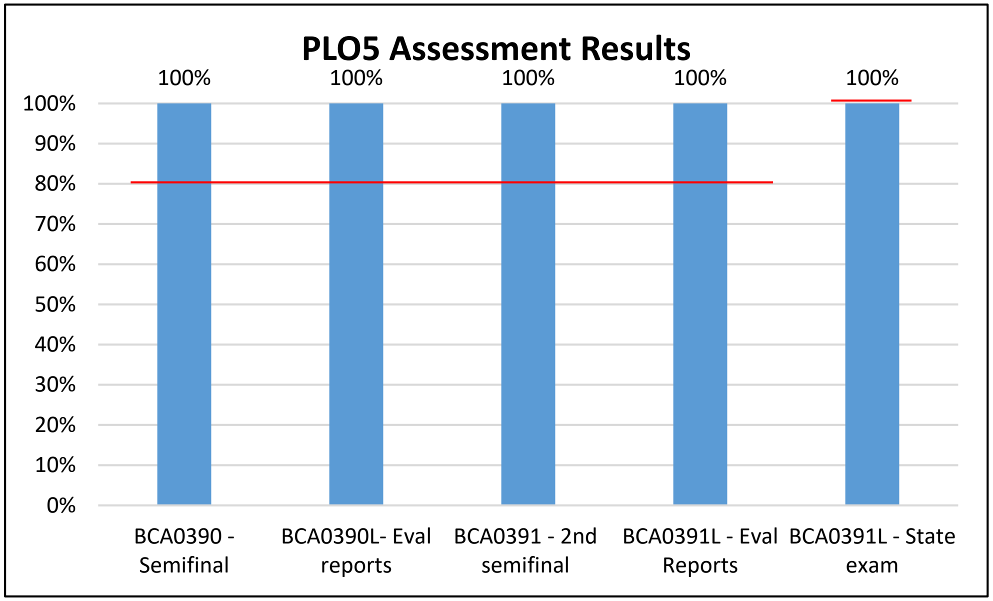
Assessment Results 2018-2019

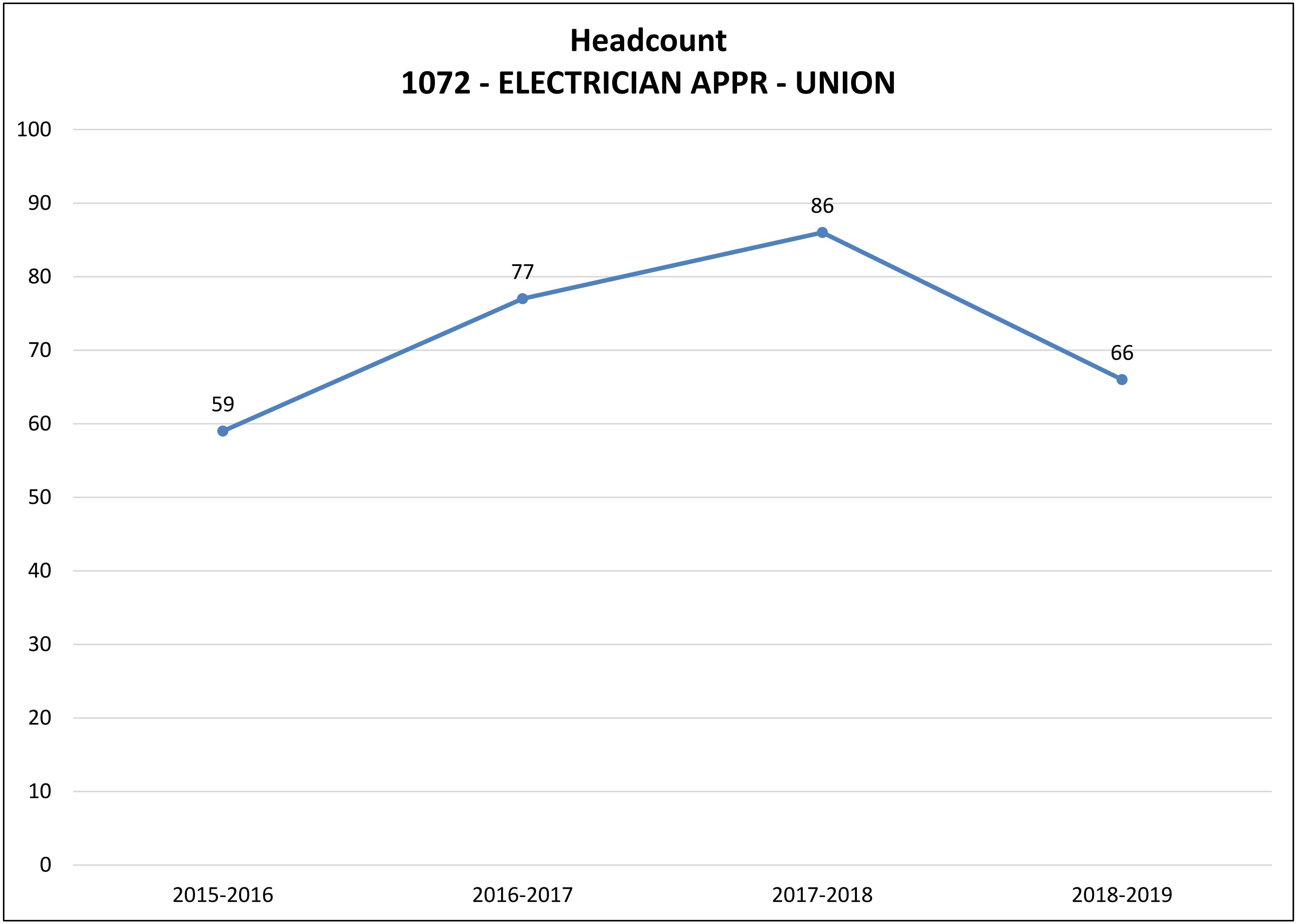


PLO5: Demonstrate the ability to plan and initiate projects related to the field.
Target: 80% of student will achieve 75% or higher – Semifinal Osha 10
80% of students will achieve 75% or higher in Eval reports
All students will have an up to date 1st Aid, CPR, and AED card. All students will have a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

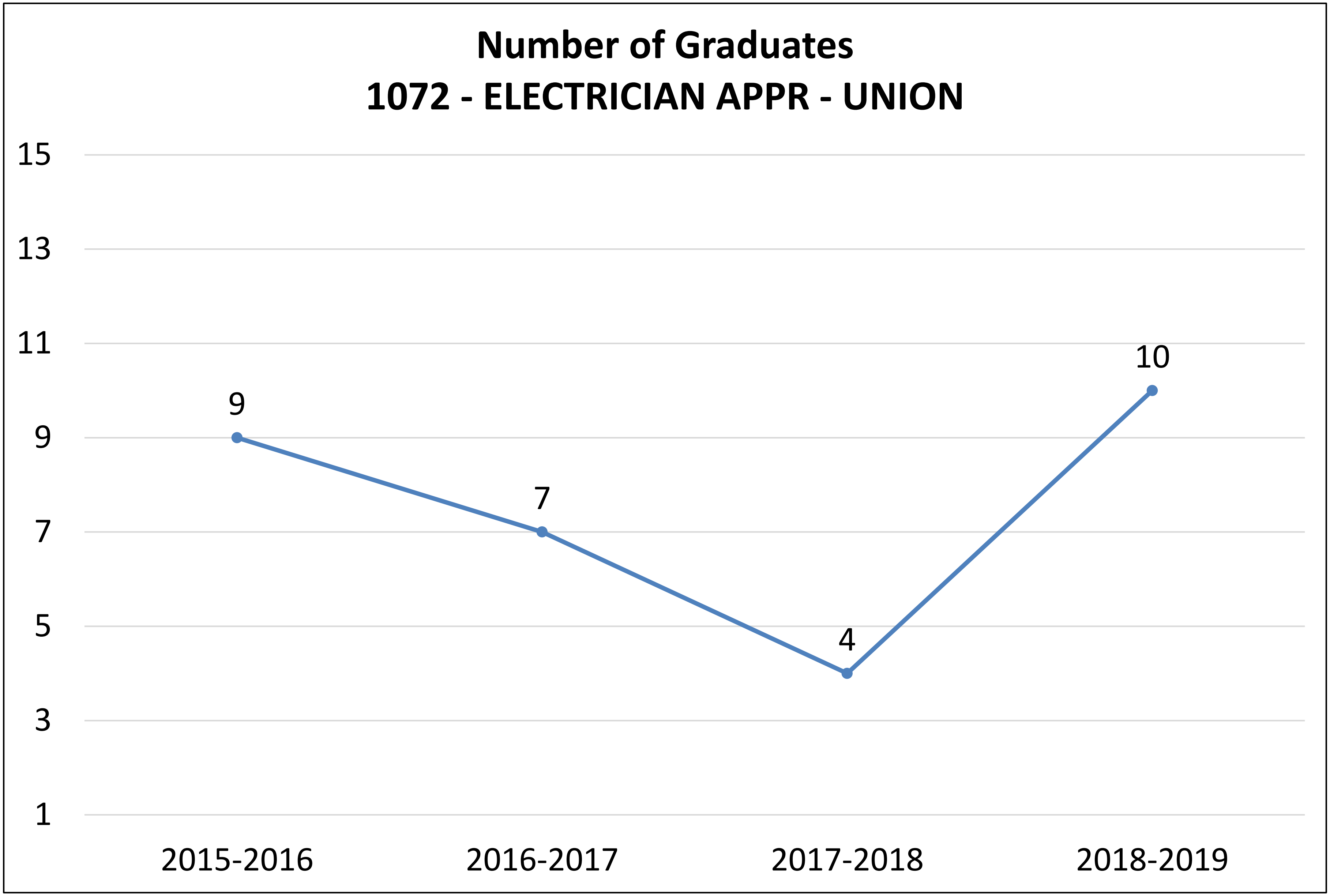
Assessment Data
Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	17/18	18/19	17/18	18/19	17/18	18/19	17/18	18/19
1072 - ELECTRICIAN APPR - UNION	100%	100%	100%	100%	100%	100%	100%	100%

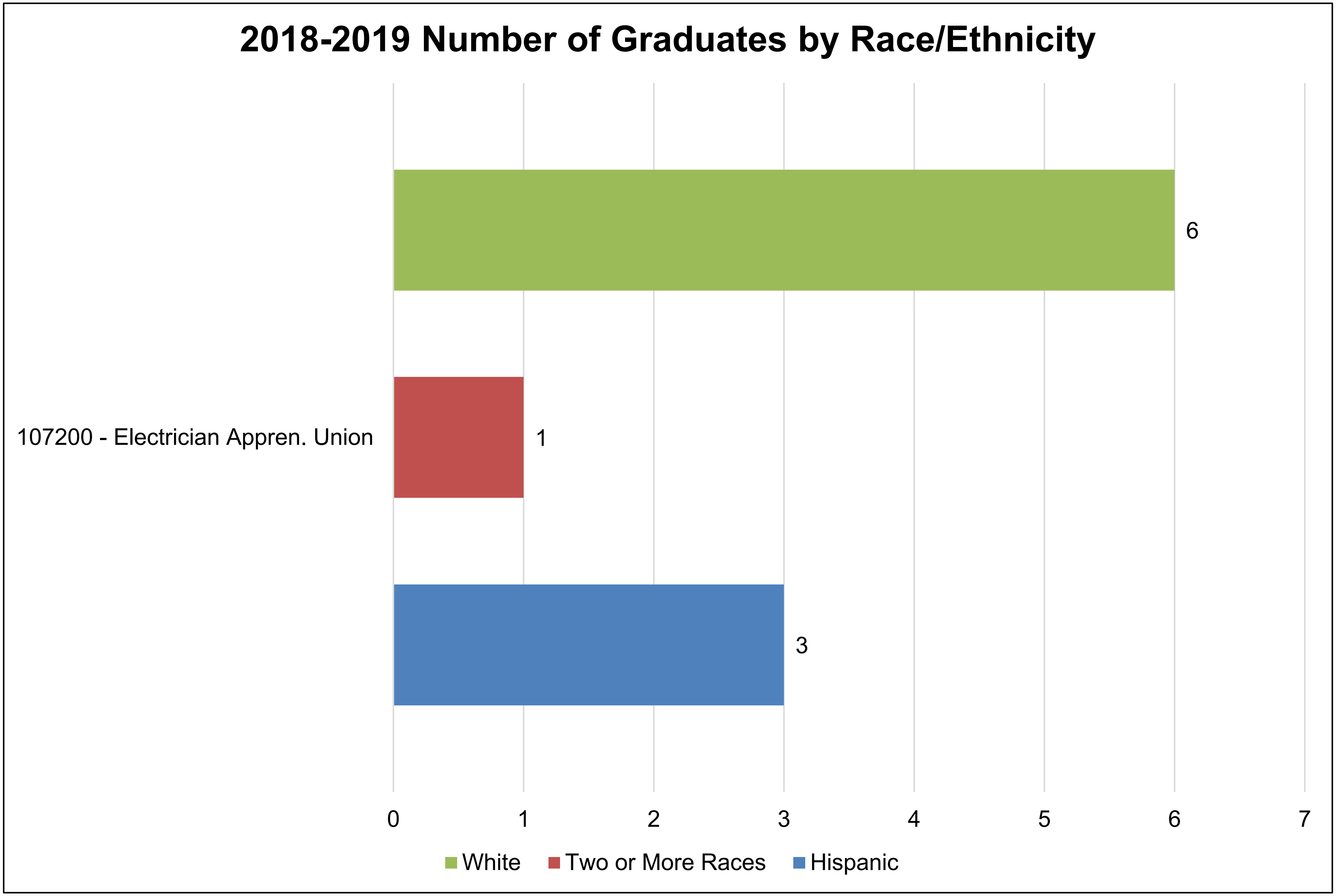
Source: School of Education Assessment Reports



Source: IR Program Assessment Data



Source: IR Program Assessment Data



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	%	%
1072 ELECTRICIAN APPR - UNION	2011	37	5	32	0	0%	15	46.88%	46.88%
	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%

College average (67.1%)

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.

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	FA15 to FA16	Black	1	0	1	0	0%
		Hispanic	6	0	6*	3	50%
		Two or More Races	2	0	2	2	100%
		White	39	7	32	22	69%
	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	71.43%
		Two or More Races	2	1	1	0	0%
		Unknown	1	0	1	0	0%
		White	62	6	56	38	67.86%

**one student was retained by DSC*

College average (African American: 49.9%, Hispanic: 66.3%)

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	63.63%
		Unknown	1	0	1	0	0%

Source: IR Program Assessment Data

Performance Funding - Placement Rates
(College average: 95.5%)

Major	2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		Average Annual Salary
	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
1071, 1072	🟥 60%	88%	🟥 87%	90%	🟥 73%	91%	🟩 89%	80%	🟥 50%	81%	🟩 100%	91%	🟩 100%	97%	$**,***

🟩 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)		2015-2016		2016-2017		2017-2018		2018-2019		
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	
1072 - ELECTRICIAN APPR - UNION	BCA0330	18	67%	39	87%	31	81%	38	79%	
	BCA0330L	18	83%	34	85%	31	74%	37	78%	↑
	BCA0331	15	73%	39	79%	22	86%	26	100%	
	BCA0331L	15	73%	39	82%	20	95%	26	96%	
	BCA0332L	15	87%	13	77%					
	BCA0333	15	87%	11	82%	30	93%	22	68%	
	BCA0333L	15	93%	16	88%	30	87%	22	73%	
	BCA0334	13	100%	11	82%	29	79%	14	93%	↑
	BCA0334L	13	100%	11	55%	28	79%	14	93%	
	BCA0335L	7	71%	13	85%					
	BCA0336	5	80%	11	91%	37	84%	14	100%	↑
	BCA0336L	5	80%	11	100%	35	89%	14	100%	
	BCA0337	4	100%	11	91%	9	78%	25	96%	
	BCA0337L	4	100%	11	91%	10	70%	24	100%	
	BCA0338	9	100%	4	100%	17	100%	24	100%	
	BCA0338L	9	100%	5	80%	17	100%	24	100%	
	BCA0339	9	100%	4	100%	10	100%	31	97%	
	BCA0339L	9	100%	4	100%	10	100%	30	100%	
	BCA0390	9	78%	4	100%	10	90%	7	100%	↑
	BCA0390L	9	78%	4	100%	10	100%	7	100%	
	BCA0391	9	100%	7	100%	4	100%	17	100%	
	BCA0391L	9	100%	7	100%	4	100%	17	100%	
	Major Total	265	88%	309	85%	394	87%	433	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	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
1072 - Electrician - Union	394	87%	433	92%
BCA0330	31	81%	38	79%
Black	4	50%	2	50%
Hispanic	3	100%	4	75%
Two or More Races	1	100%	1	100%
Unknown/Prefer not to answer	1	100%	2	100%
White	22	82%	29	79%
BCA0330L	31	74%	37	78%
Black	4	50%	2	50%
Hispanic	3	100%	4	100%
Two or More Races	1	100%	1	100%
Unknown/Prefer not to answer	1	100%	2	100%
White	22	73%	28	75%
BCA0331	22	86%	26	100%
Hispanic	3	100%	2	100%
Two or More Races	1	100%	1	100%
Unknown/Prefer not to answer			2	100%
White	17	82%	21	100%
BCA0331L	20	95%	26	96%
Hispanic	3	100%	2	100%
Two or More Races	1	100%	1	100%
Unknown/Prefer not to answer			2	100%
White	15	93%	21	95%
BCA0333	30	93%	22	68%
Black	1	0%	1	100%
Hispanic	4	100%	4	50%
Two or More Races			1	0%
White	25	96%	16	75%
BCA0333L	30	87%	22	73%
Black	1	0%	1	100%
Hispanic	4	100%	4	50%
Two or More Races			1	100%
White	25	88%	16	75%

Program, Course, & Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
BCA0334	29	79%	14	93%
Black			1	100%
Hispanic	4	100%	2	100%
White	25	76%	11	91%
BCA0334L	28	79%	14	93%
Black			1	100%
Hispanic	4	100%	2	100%
White	24	75%	11	91%
BCA0336	37	84%	14	100%
Black			1	100%
Hispanic	4	100%	2	100%
White	33	82%	11	100%
BCA0336L	35	89%	14	100%
Black			1	100%
Hispanic	4	100%	2	100%
White	31	87%	11	100%
BCA0337	9	78%	25	96%
Hispanic			4	100%
White	9	78%	21	95%
BCA0337L	10	70%	24	100%
Hispanic			4	100%
White	10	70%	20	100%
BCA0338	17	100%	24	100%
Hispanic	3	100%	4	100%
White	13	100%	20	100%
BCA0338L	17	100%	24	100%
Hispanic	3	100%	4	100%
White	13	100%	20	100%
BCA0339	10	100%	31	97%
Hispanic	3	100%	4	100%
White	6	100%	27	96%

🟩 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	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
BCA0339L	10	100%	30	100%
Hispanic	3	100%	4	100%
White	6	100%	26	100%
BCA0390	10	90%	7	100%
Hispanic	3	100%		
Two or More Races	1	0%		
White	6	100%	7	100%
BCA0390L	10	100%	7	100%
Hispanic	3	100%		
Two or More Races	1	100%		
White	6	100%	7	100%
BCA0391	4	100%	17	100%
Hispanic			3	100%
Two or More Races			1	100%
White	4	100%	13	100%
BCA0391L	4	100%	17	100%
Hispanic			3	100%
Two or More Races			1	100%
White	4	100%	13	100%

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

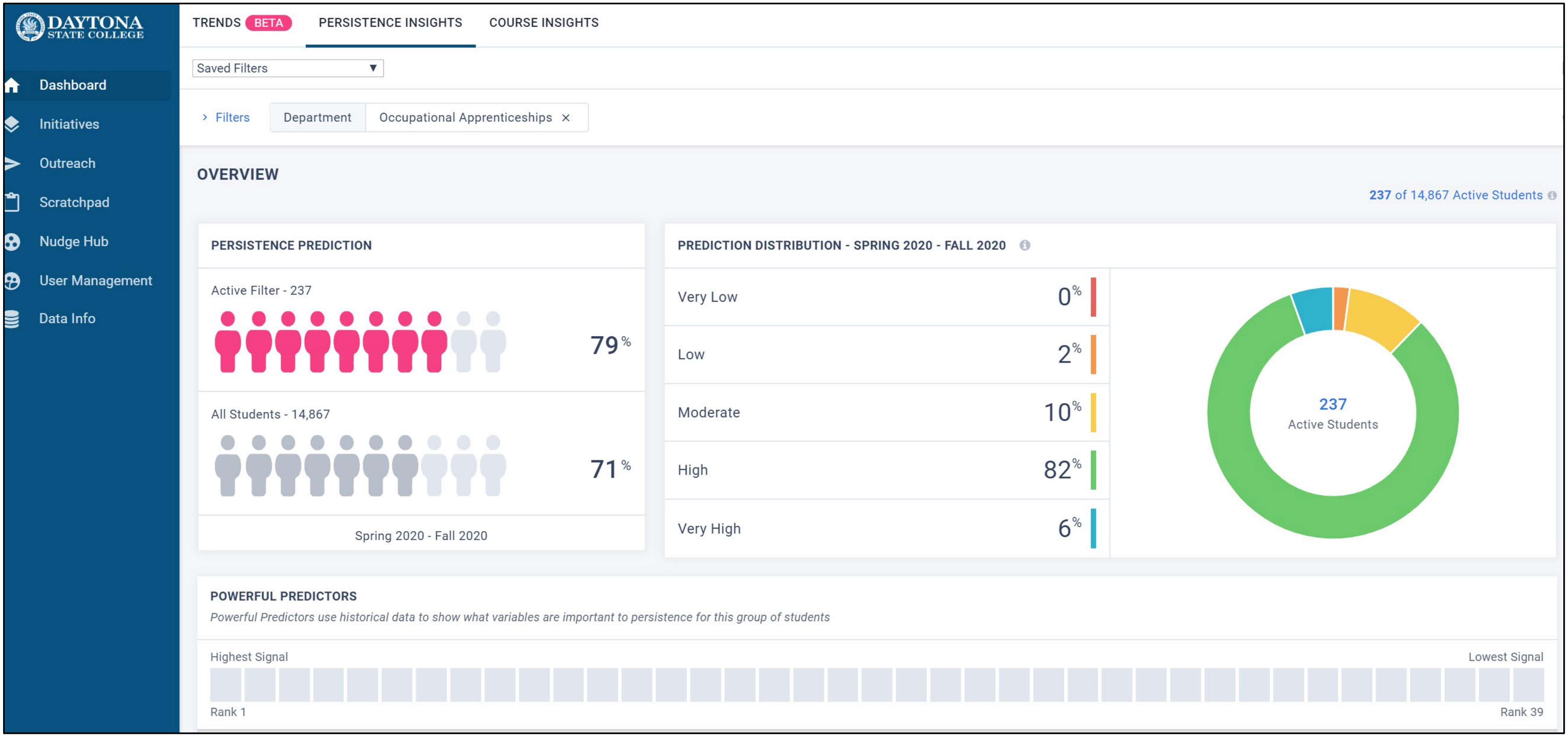
Course Success Rate By Race and Ethnicity

Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
Black	12	50%	10	80%
Hispanic	54	100%	58	91%
Two or More Races	10	90%	8	88%
Unknown/Prefer not to answer	2	100%	8	100%
White	316	86%	349	93%
Grand Total	394	87%	433	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 Learning – illume Students


DAYTONA STATE COLLEGE
Dashboard
Initiatives
Outreach
Scratchpad
Nudge Hub
User Management
Data Info
TRENDS BETA
PERSISTENCE INSIGHTS
COURSE INSIGHTS
Saved Filters ▼
› Filters

Department: Occupational Apprenticeships ×

OVERVIEW

237 of 14,867 Active Students

PERSISTENCE PREDICTION

Active Filter - 237: 79%

All Students - 14,867: 71%

Spring 2020 - Fall 2020

PREDICTION DISTRIBUTION - SPRING 2020 - FALL 2020

Very Low	0%
Low	2%
Moderate	10%
High	82%
Very High	6%

237 Active Students

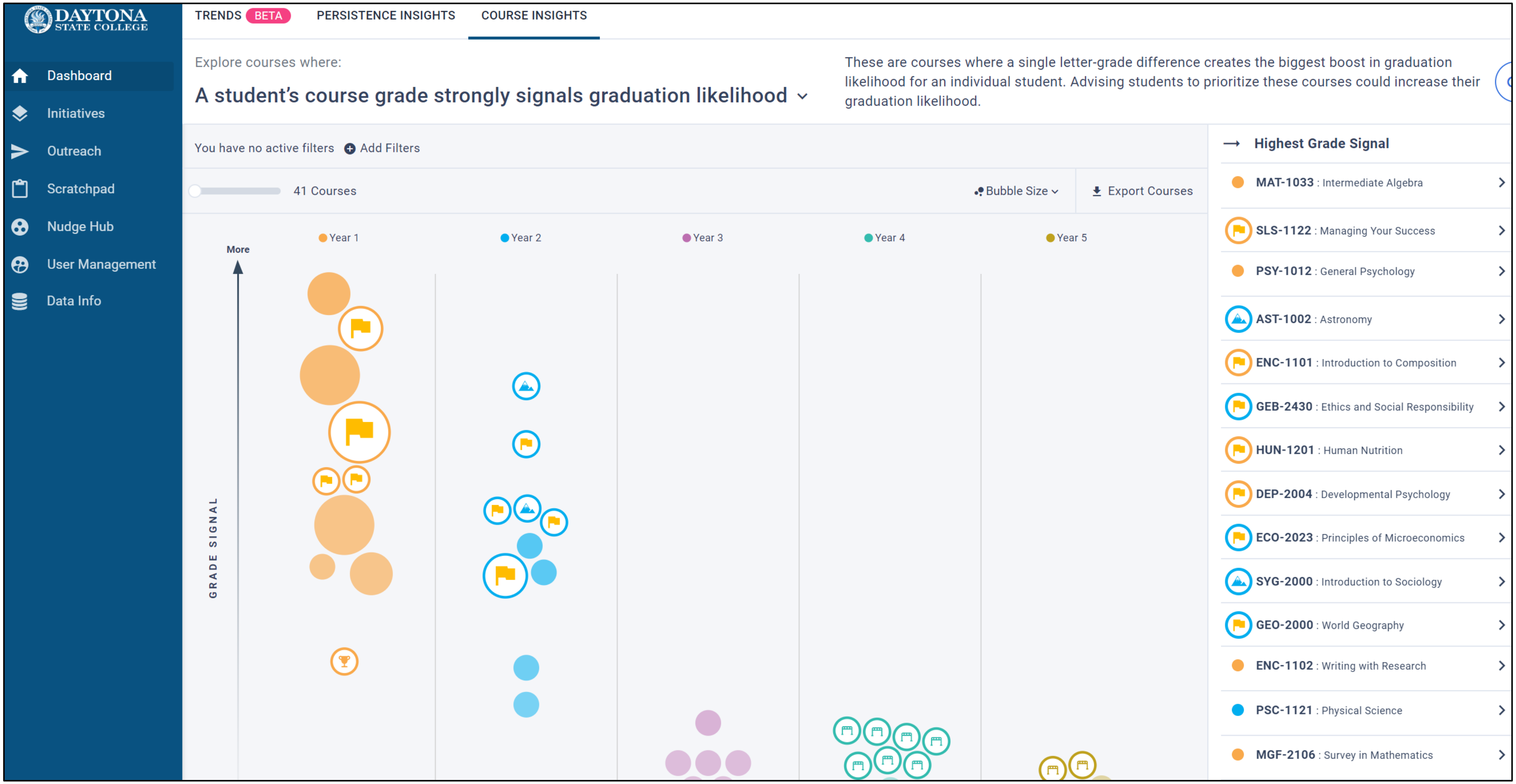
POWERFUL PREDICTORS

Powerful Predictors use historical data to show what variables are important to persistence for this group of students

Highest Signal
Lowest Signal
Rank 1
Rank 39

Screen captured on 3/23/20202

Civitas Learning – illume Courses


DAYTONA STATE COLLEGE
TRENDS
BETA
PERSISTENCE INSIGHTS
COURSE INSIGHTS
Dashboard
Initiatives
Outreach
Scratchpad
Nudge Hub
User Management
Data Info
Bubble Size
Export Courses
Year 1
Year 2
Year 3
Year 4
Year 5
More
GRADE SIGNAL

Explore courses where:

A student’s course grade strongly signals graduation likelihood

These are courses where a single letter-grade difference creates the biggest boost in graduation likelihood for an individual student. Advising students to prioritize these courses could increase their graduation likelihood.

You have no active filters ⊕ Add Filters

41 Courses

→ **Highest Grade Signal**

MAT-1033 : Intermediate Algebra
SLS-1122 : Managing Your Success
PSY-1012 : General Psychology
AST-1002 : Astronomy
ENC-1101 : Introduction to Composition
GEB-2430 : Ethics and Social Responsibility
HUN-1201 : Human Nutrition
DEP-2004 : Developmental Psychology
ECO-2023 : Principles of Microeconomics
SYG-2000 : Introduction to Sociology
GEO-2000 : World Geography
ENC-1102 : Writing with Research
PSC-1121 : Physical Science
MGF-2106 : Survey in Mathematics

Screen captured on 3/23/20202