

# ASSESSMENT DAY

---

College of Workforce, Continuing and Adult Education  
School of Occupational Apprenticeships  
Electrical Apprentice - Union  
April 8, 2020

Strengths

Challenges

Recommendations

# Academic Assessment

	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
<b>Academic Success Committee</b>	Program	<ul style="list-style-type: none"> <li>Quality of assessment practices</li> </ul>	Committee of peers	Years 1 & 2
<b>Instructional Program Review</b>	Program / Cluster	<ul style="list-style-type: none"> <li>Enrollment, retention, completion</li> <li>Industry certifications and job placement</li> <li>Program budget and staffing</li> <li>Advisory committees</li> <li>Curriculum changes</li> </ul>	Committee of peers	Year 3
<b>Assessment Day</b>	Course/ Program	<ul style="list-style-type: none"> <li>Enrollment by demographics</li> <li>Graduation and retention</li> <li>Average class size</li> <li>Course success rate</li> <li>Placement rate</li> <li>SLOs, PLOs and ILOs</li> </ul>	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 1<sup>st</sup> 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.

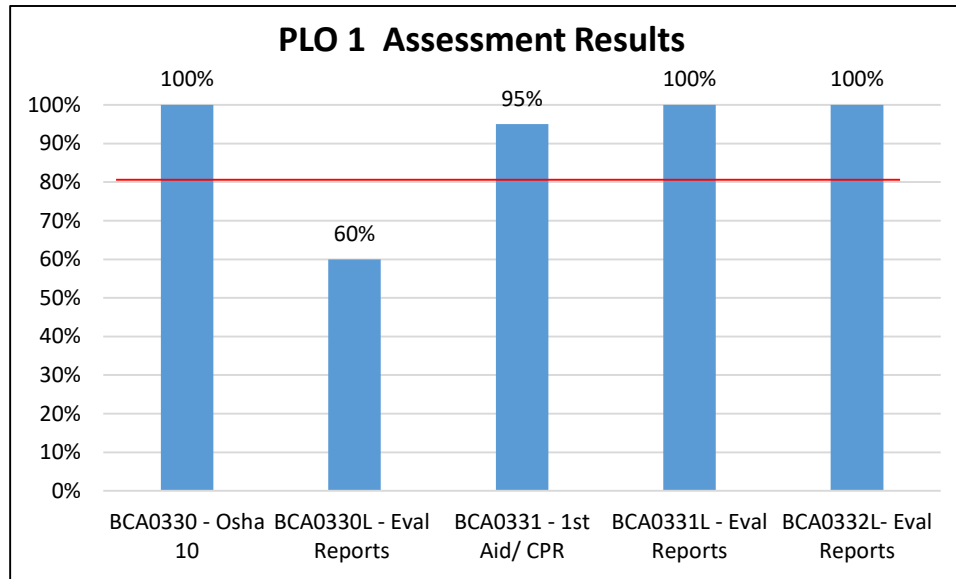
**PLO 2**: Identify and use different tools, equipment, materials and electrical products used in the trade.

**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.

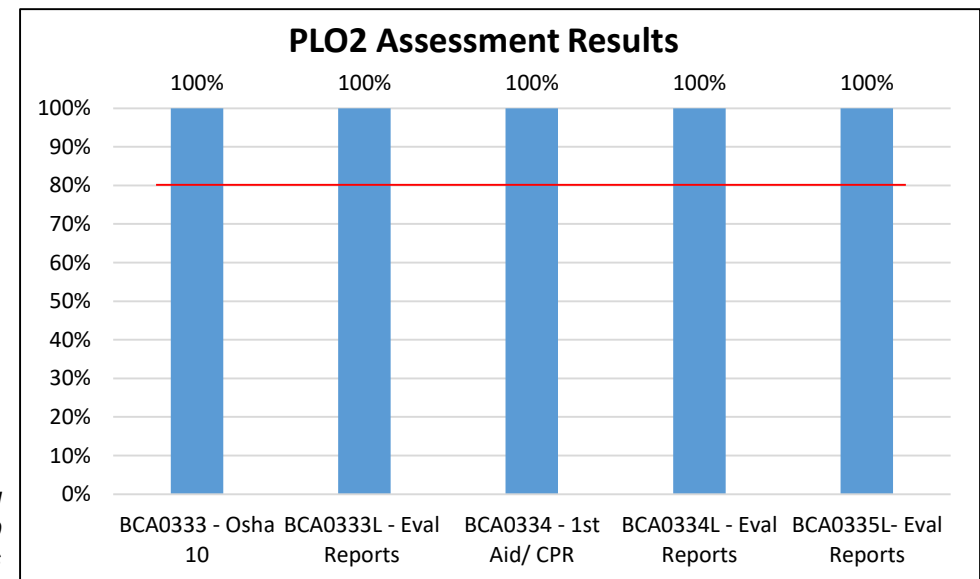
**PLO 5**: Demonstrate the ability to plan and initiate projects related to the field.

## Assessment Results 2018-2019

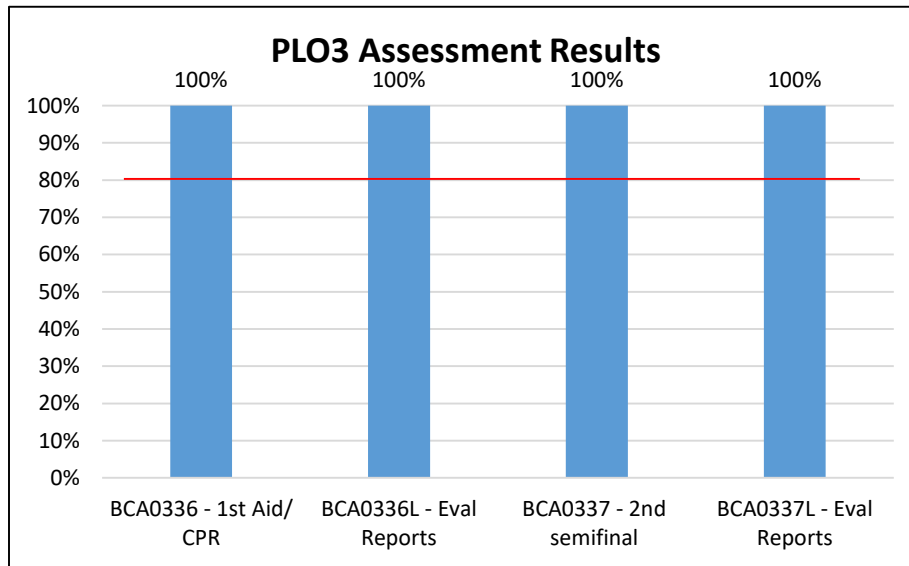


PLO1: Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

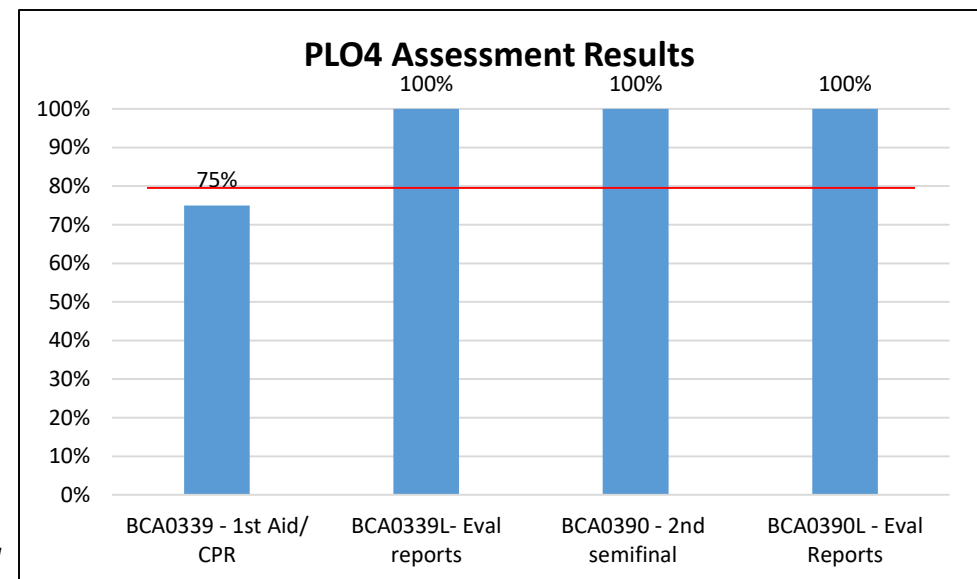
PLO2: Identify and use different tools, equipment, materials and electrical products used in the trade. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*



## Assessment Results 2018-2019



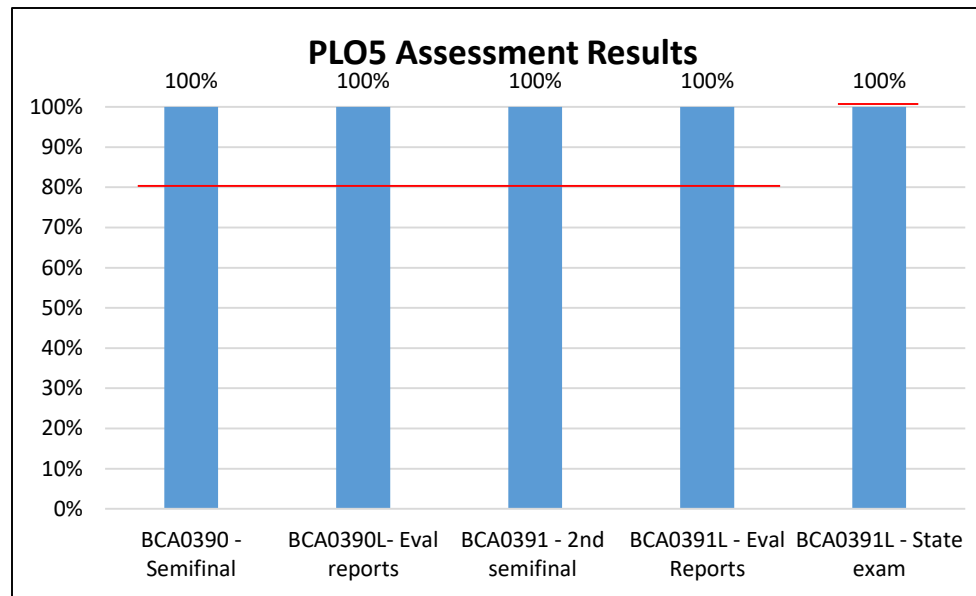
PLO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*



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*



## Assessment Results 2018-2019



PLO5: Demonstrate the ability to plan and initiate projects related to the field.

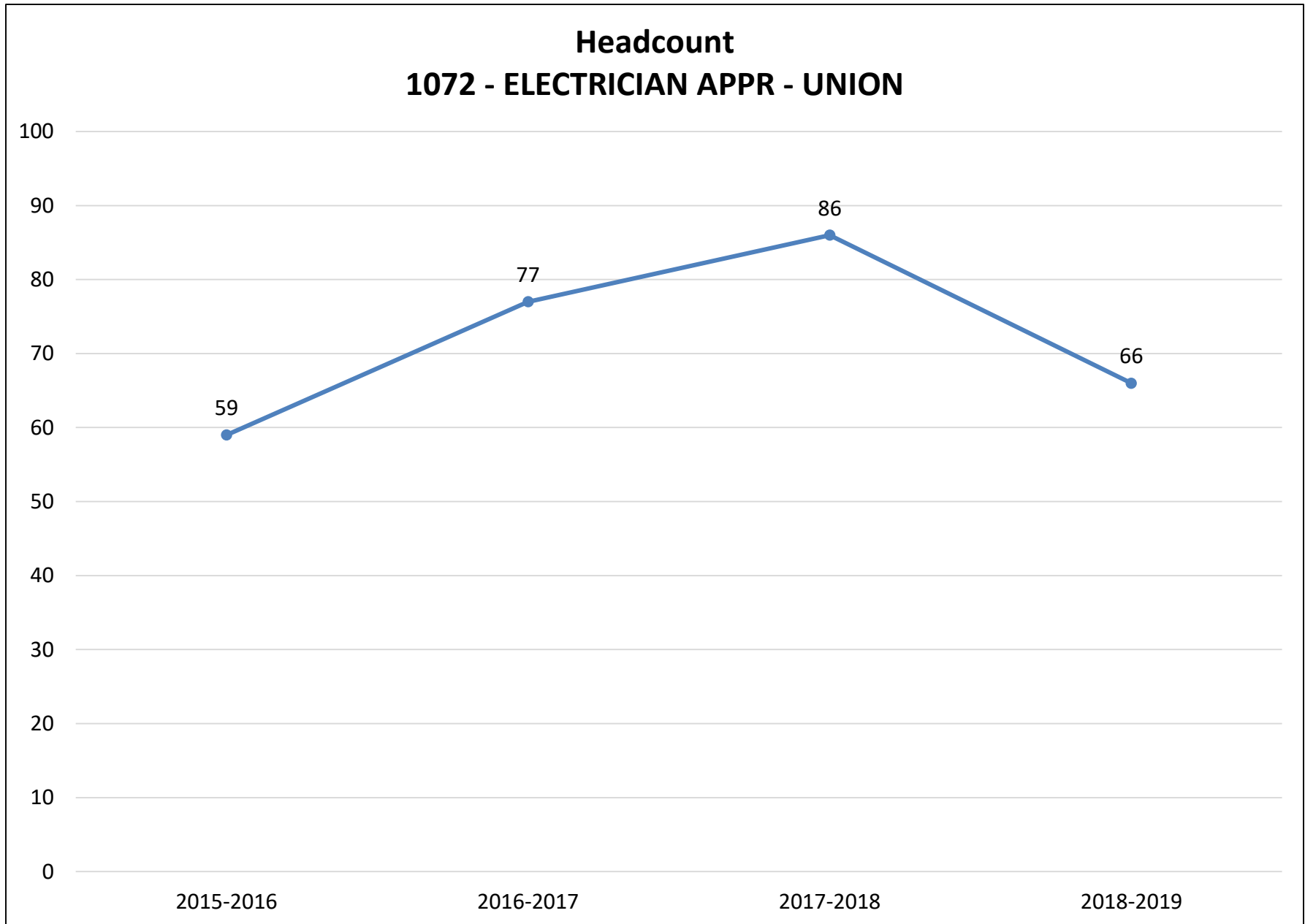
*Target: 80% of student will achieve 75% or higher – Semifinal Osha 10*

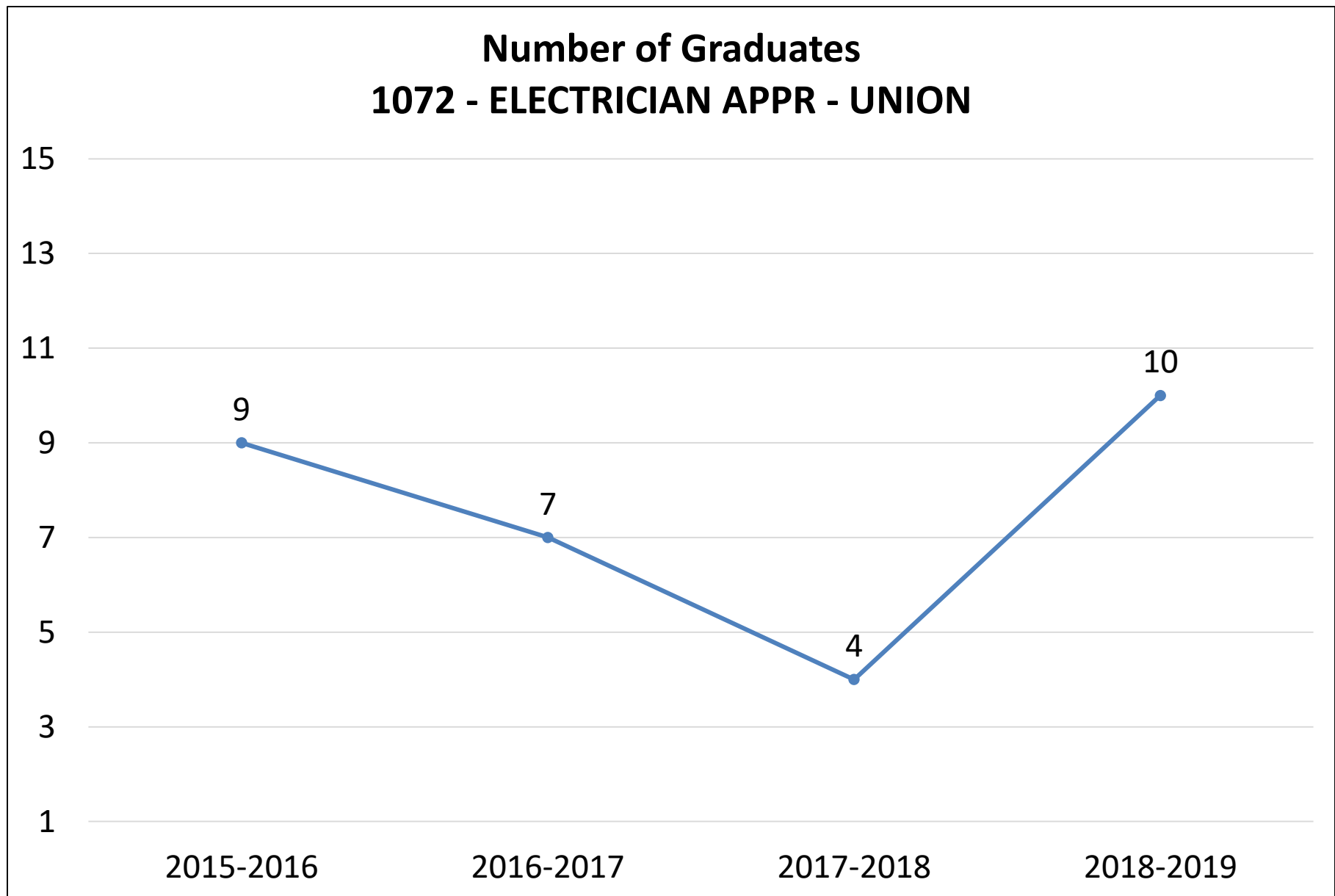
*80% of students will achieve 75% or higher in Eval reports*

*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

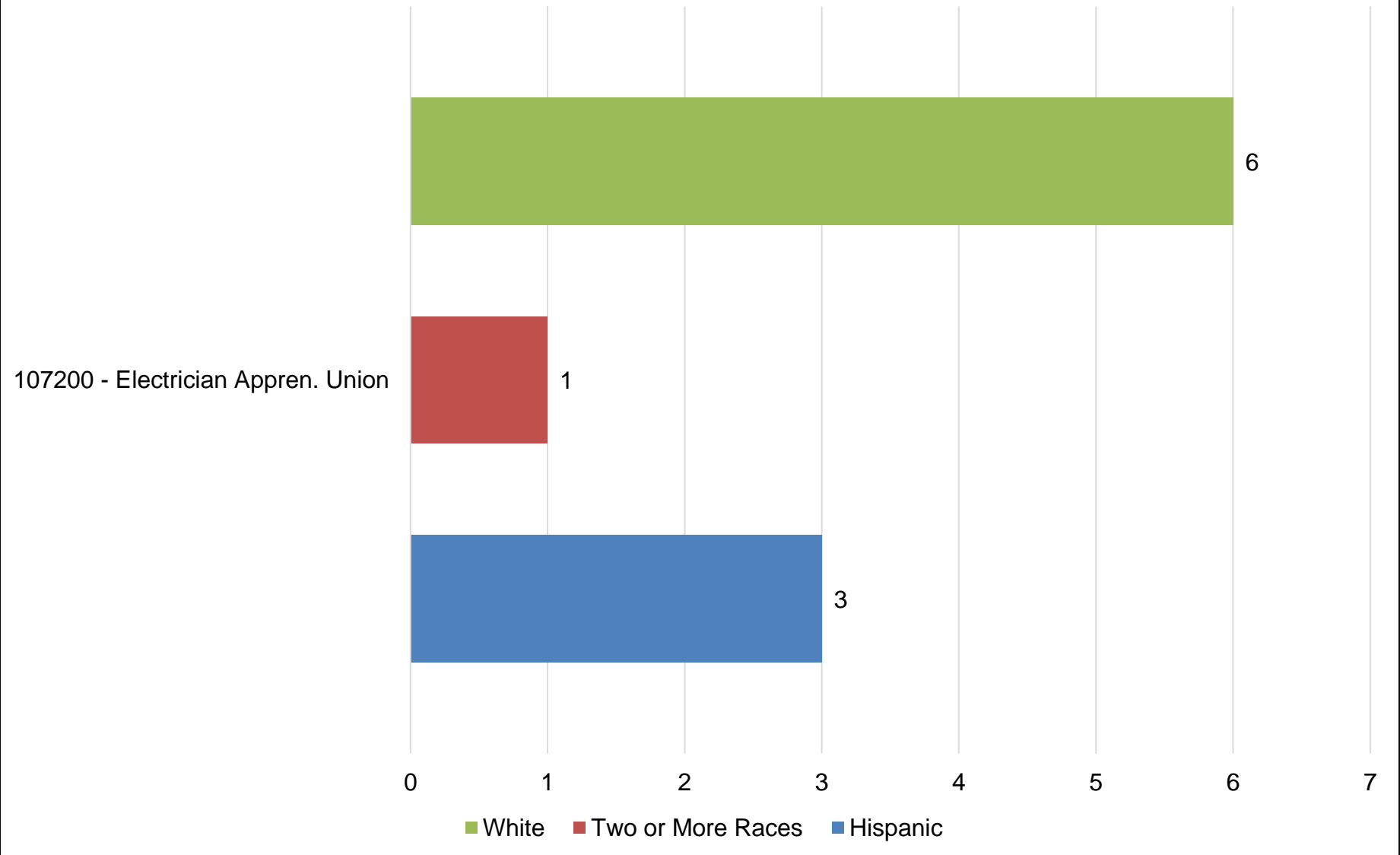
Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	17/18	18/19	17/18	18/19	17/18	18/19	17/18	18/19
<b>1072 - ELECTRICIAN APPR - UNION</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>





Source: IR Program Assessment Data

## 2018-2019 Number of Graduates by Race/Ethnicity



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%



## 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%	
<b>Major Total</b>		<b>265</b>	<b>88%</b>	<b>309</b>	<b>85%</b>	<b>394</b>	<b>87%</b>	<b>433</b>	<b>92%</b>

■ 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
<b>BCA0339L</b>	10	100%	30	100%
Hispanic	3	100%	4	100%
White	6	100%	26	100%
<b>BCA0390</b>	10	90%	7	100%
Hispanic	3	100%		
Two or More Races	1	0%		
White	6	100%	7	100%
<b>BCA0390L</b>	10	100%	7	100%
Hispanic	3	100%		
Two or More Races	1	100%		
White	6	100%	7	100%
<b>BCA0391</b>	4	100%	17	100%
Hispanic			3	100%
Two or More Races			1	100%
White	4	100%	13	100%
<b>BCA0391L</b>	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%
<b>Grand Total</b>	<b>394</b>	<b>87%</b>	<b>433</b>	<b>92%</b>

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

# Civitas Learning – illumine Students



DAYTONA STATE COLLEGE

TRENDS BETA
PERSISTENCE INSIGHTS
COURSE INSIGHTS


Saved Filters ▼

> Filters Department Occupational Apprenticeships x

### OVERVIEW 237 of 14,867 Active Students ⓘ

#### PERSISTENCE PREDICTION


Active Filter - 237



**79%**

---






All Students - 14,867

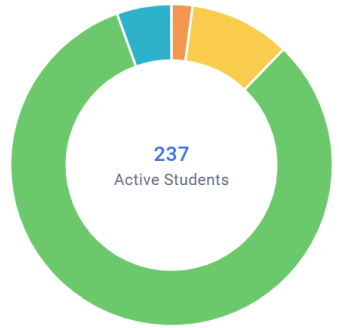


**71%**

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*

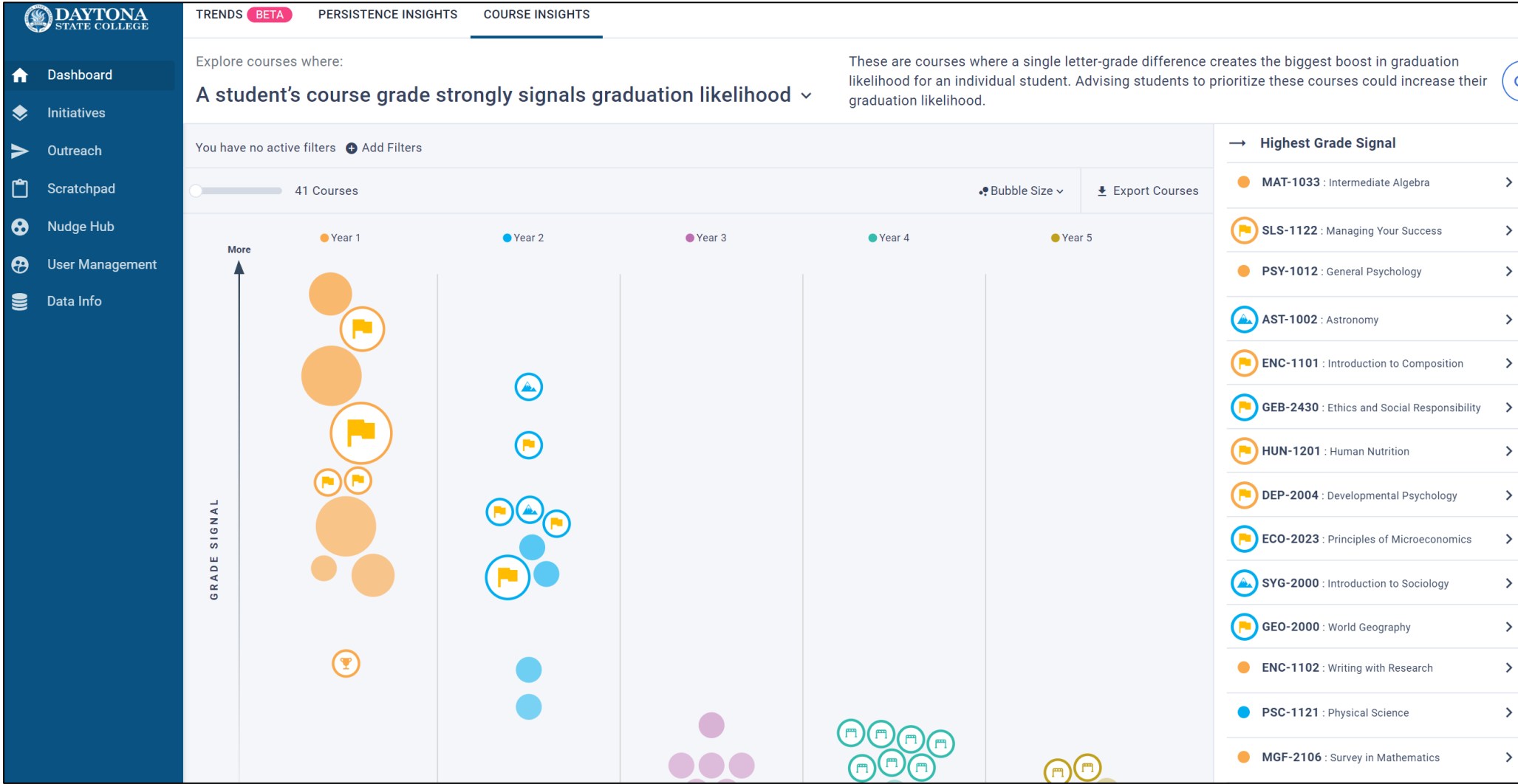
Highest Signal



Lowest Signal

Rank 1
Rank 39

# Civitas Learning – illumine Courses



Screen captured on 3/23/2022