ASSESSMENT DAY

Mary Karl College of Workforce and Continuing Education

School of Workforce Careers

February 25, 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

121300 – Heating, Ventilation, Air Conditioning/Refrigeration Mechanic

101101 - Heating, Ventilation, Air Conditioning/Refrigeration Technology

121100 - Automotive Collision Repair and Refinishing

120100 - Automotive Service Technology

120900 - Building Trades and Construction Design Technology

103300 - Welding Technology – Applied

121400 – CNC Machining

121200 – Advanced Welding

121600 Advanced Machining Technologies

School of Workforce Careers

Last Assessment Day Action Items (1 of 2)

Last Assessment Day (10-22-2020 and 12-10-2020)

For Automotive programs:

- Continue to work with bookstore regarding textbook issues, Frank attend committee meeting;
- Frank and Ron to follow up with Carri (Records) re: ARR0242C;
- Frank to look at other institutions offering Automotive Collision (test using, ASE or iCAR);
- **For Institutional Research:**
  - Meet with Karla to leverage the use of Civitas data;
  - Karla to meet with Ronald and Frank to explain the program assessment process

For Welding and Machining programs:

- Keep Advanced Machining and Advanced Welding with evening classes;
- Meet with Alicia Alexander regarding different pathways;
- Continue to work with bookstore regarding textbook issues, Frank attend committee meeting
- **For Institutional Research:**
  - Meet with Karla to leverage the use of Civitas data;
  - Karla to meet with David and Frank regarding Machining/Advanced Machining Tech program outcomes

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Last Assessment Day Action Items (2 of 2)

For HVAC and Building programs:

- Implement an Orientation Week;
- Contact the Center for Women and Men regarding transportation options (gift cards, bus passes);
- Frank to attend bookstore committee meeting for textbooks issues;
- Set up math tutoring workshop
- **For Institutional Research:**
    - Check the number of graduates

Heating, Ventilation, Air Conditioning/Refrigeration Mechanic, Vocational Certificate #121300 / #105400
Program Learning Outcomes

Graduates of the program will be able to:

PO 1: Demonstrate the ability to safely follow rules and regulations to industry standards.

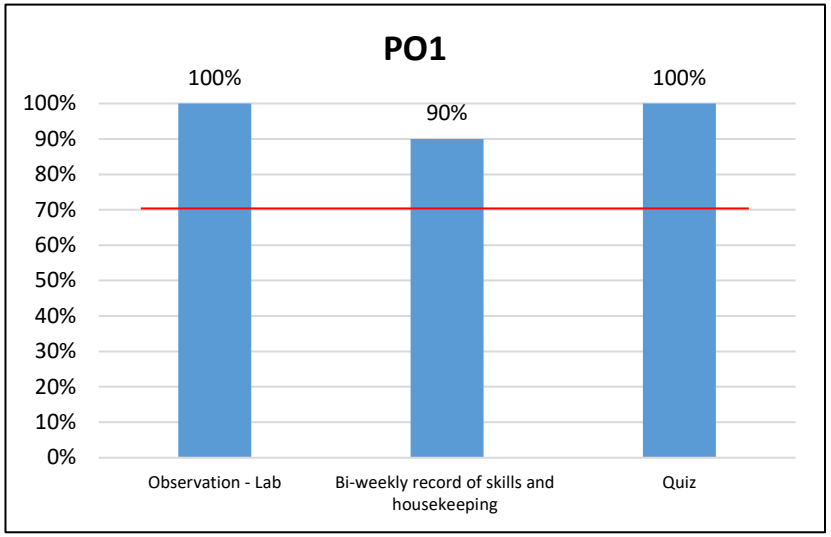
PO 2: Use appropriate tools, equipment, material and electrical products used in the industry.

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

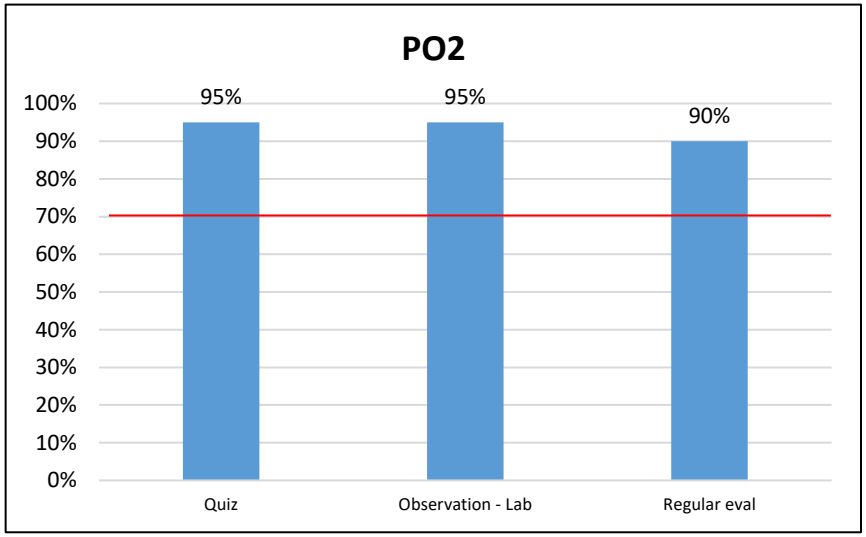
PO 4: Demonstrate the skills needed in the residential markets.

PO 5: Demonstrate the process required to install and maintain a residential HVAC/R project.

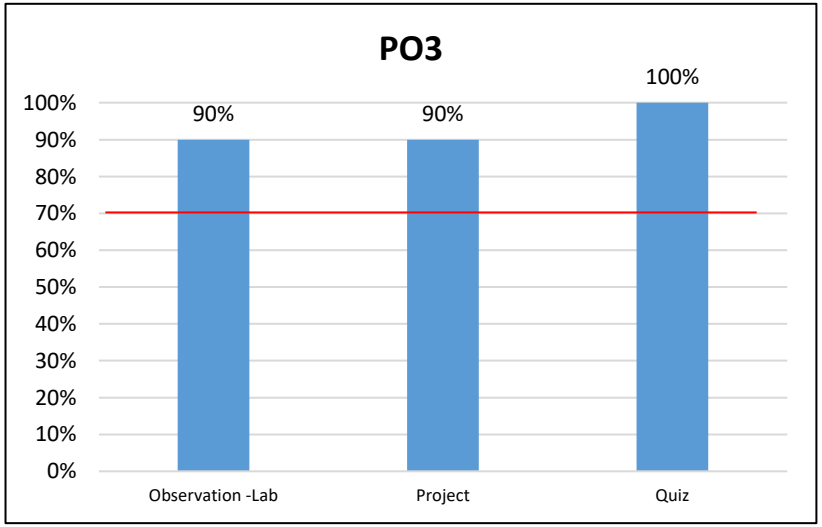
Assessment Results 2020-2021
Heating, Ventilation, Air Conditioning/Refrigeration Mechanic
#121300 / #105400



PO1: Demonstrate the ability to safely follow rules and regulations to industry standards. *Target: 70% of students will achieve a competency level of 80% or higher.*

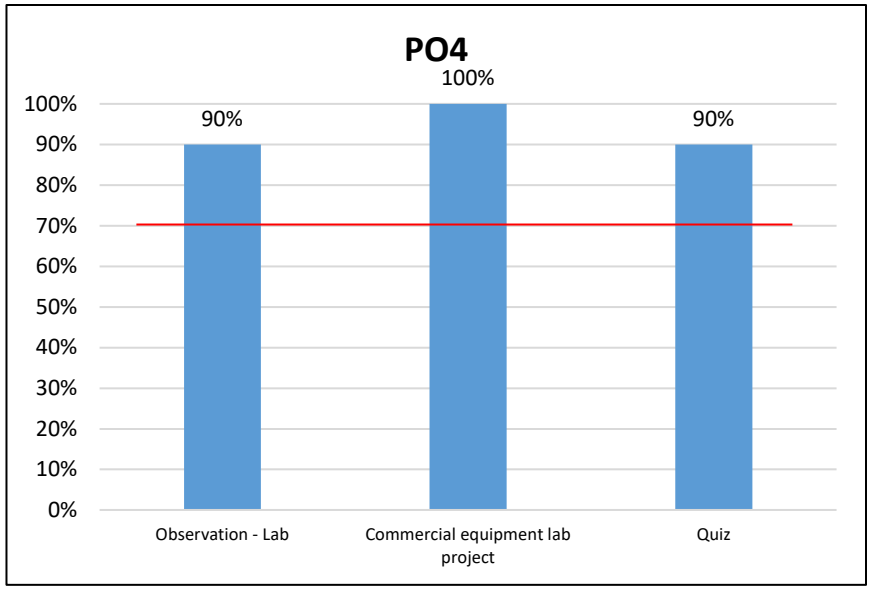


PO2: Use appropriate tools, equipment, material and electrical products used in the industry. *Target: 70% of students will achieve a competency level of 80% or higher.*

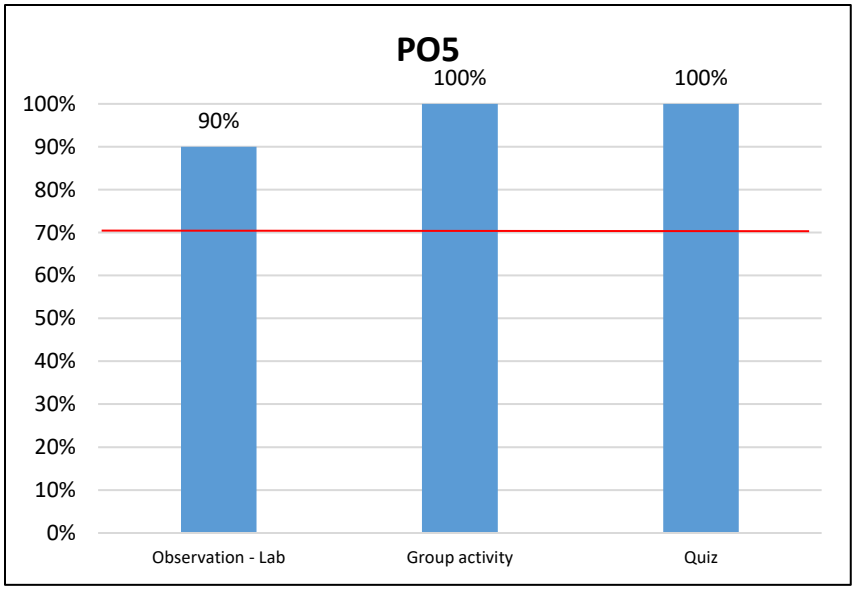


PO3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 70% of students will achieve a competency level of 80% or higher.*

Assessment Results 2020-2021
Heating, Ventilation, Air Conditioning/Refrigeration Mechanic #121300 / #105400



PO4: Demonstrate the skills needed in the residential markets. *Target: 70% of students will achieve a competency level of 80% or higher.*



PO5: Demonstrate the process required to install and maintain a residential HVAC/R project. *Target: 70% of students will achieve a competency level of 80% or higher.*

Heating, Ventilation, Air Conditioning/Refrigeration Technology, Vocational Certificate #101101 / #101100 Program Learning Outcomes

Graduates of the program will be able to:

PO 1: Demonstrate the ability to direct safety rules and regulations to industry standards.

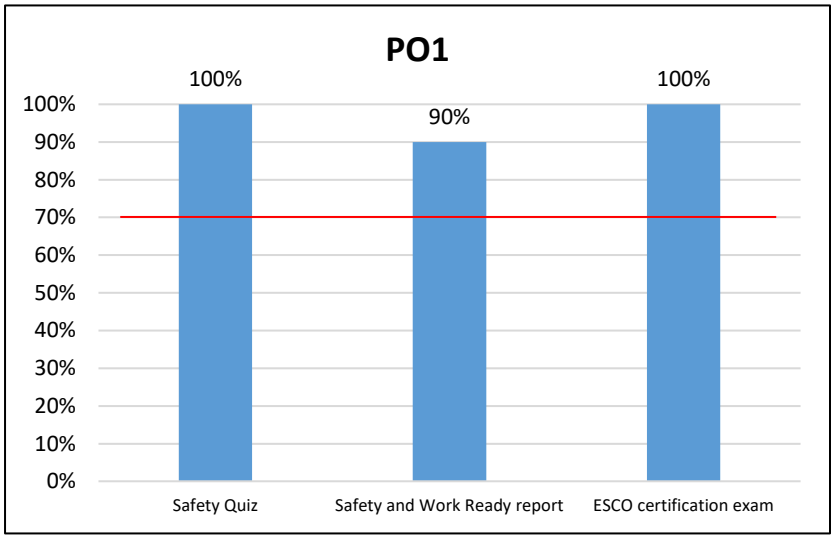
PO 2: Use advanced tools, equipment, material and electrical products found in the industry.

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

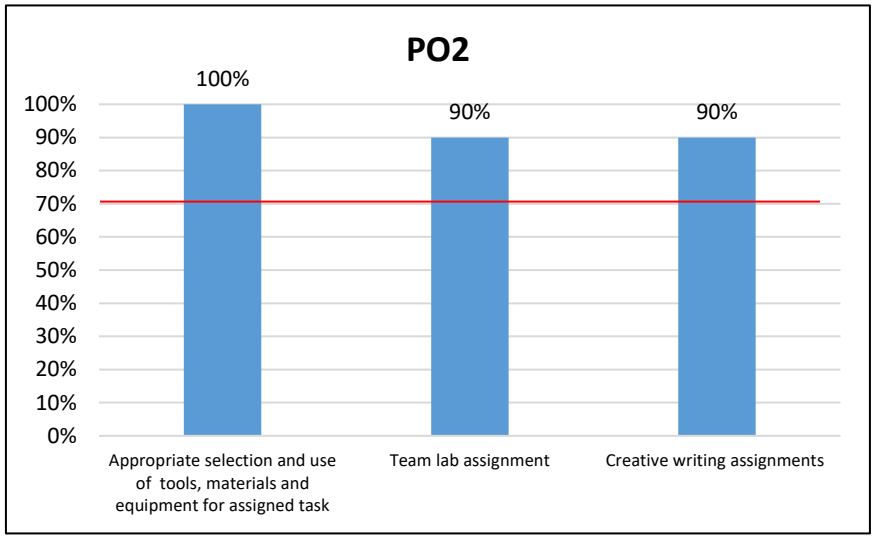
PO 4: Demonstrate the skills required in the residential and commercial and markets.

PO 5: Demonstrate the process required to install, maintain and service a residential or commercial HVAC/R project.

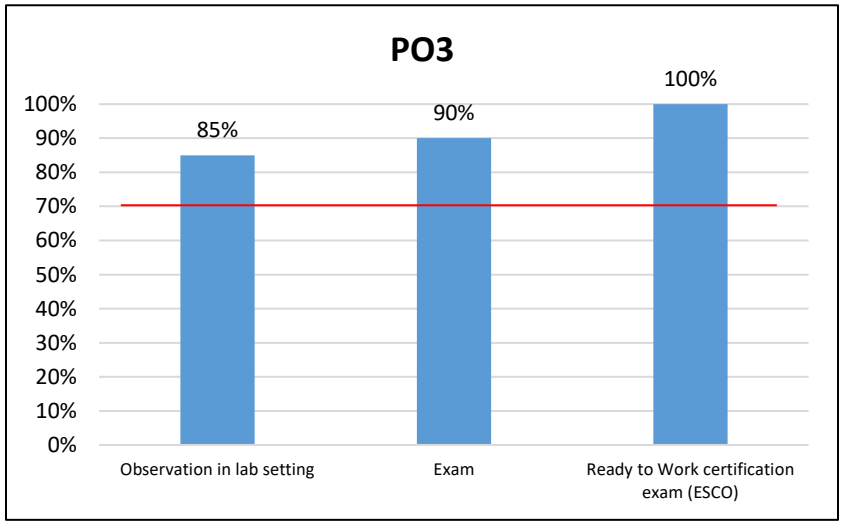
Assessment Results 2020-2021
Heating, Ventilation, Air Conditioning/Refrigeration Technology #101101 / #1011



PO1: Demonstrate the ability to direct safety rules and regulations to industry standards. *Target: 70% percent of students will achieve 80% higher on the assessments*

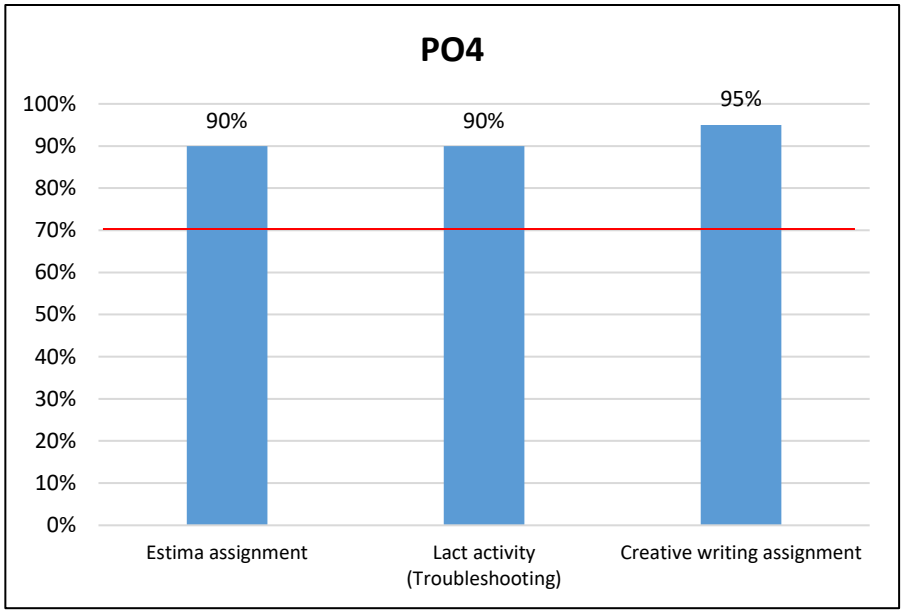


PO2: Use advanced tools, equipment, material and electrical products found in the industry. *Target: 70% percent of students will achieve 80% higher on the assessments*

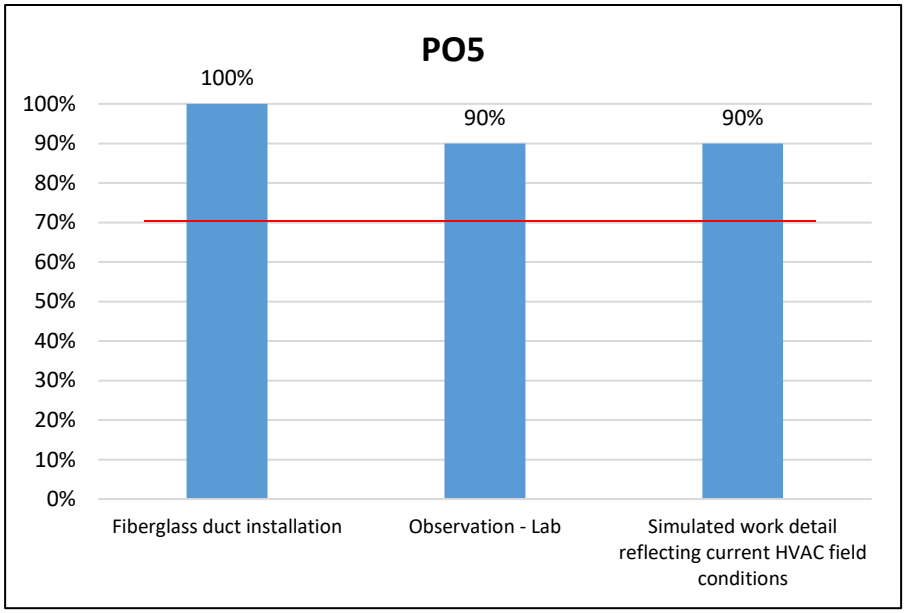


PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 70% of students will achieve 80% or higher in all assessment measures.*

Assessment Results 2020-2021
Heating, Ventilation, Air Conditioning/Refrigeration Technology #101101 / #1011



PO4: Demonstrate the skills required in the residential and commercial and markets. *Target: 70% of students will achieve 80% or higher in all assessment measures.*



PO5: Demonstrate the process required to install, maintain and service a residential or commercial HVAC/R project. *Target: 70% of the students achieving 80% or higher in all assessment measures*

Automotive Collision Repair and Refinishing #121100 Program Learning Outcomes

Graduates of the program will be able to:

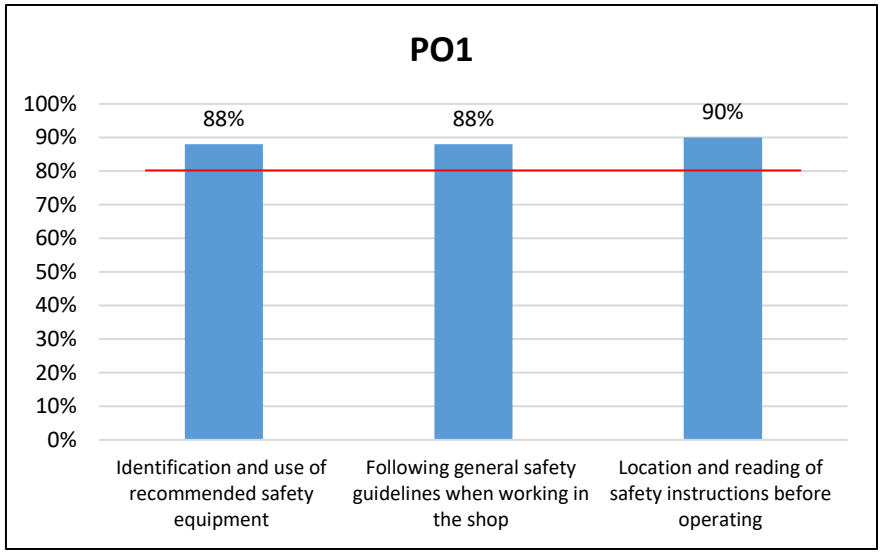
PO 1: Demonstrate the ability to follow safety rules and regulations to NATEF standards.

PO 2: Use appropriate tools, equipment, material and computerized products found in the industry.

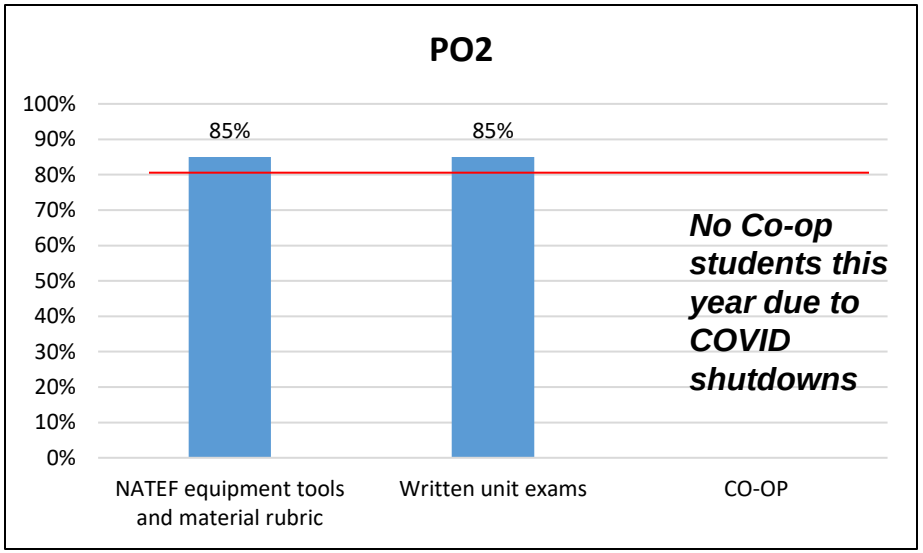
PO 3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.

PO 4: Demonstrate the skills needed in collision repair and refinishing.

Assessment Results 2020-2021
Automotive Collision Repair and Refinishing #121100

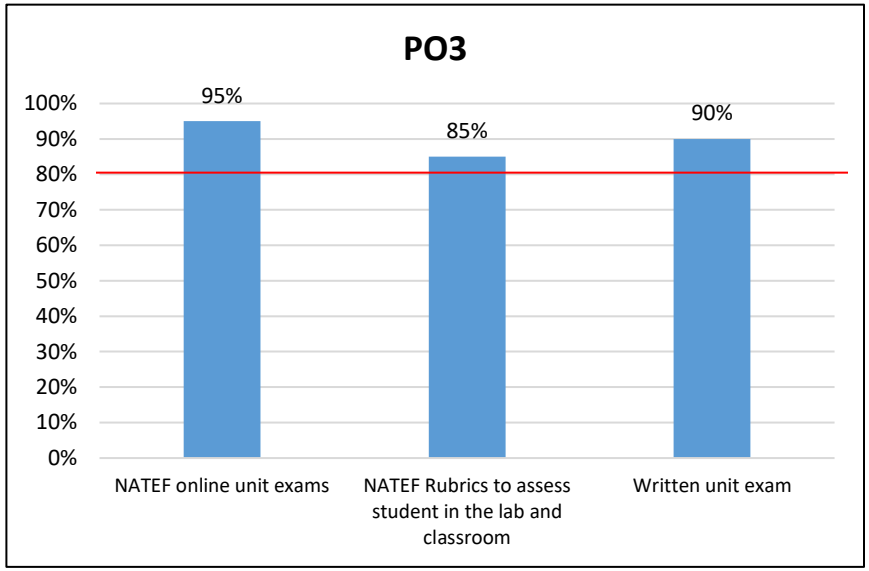


PO1: Demonstrate the ability to follow safety rules and regulations to NATEF standards. *Target: 80 % of the students achieved an 80% or better on the NATEF safety rules and regulations rubric*

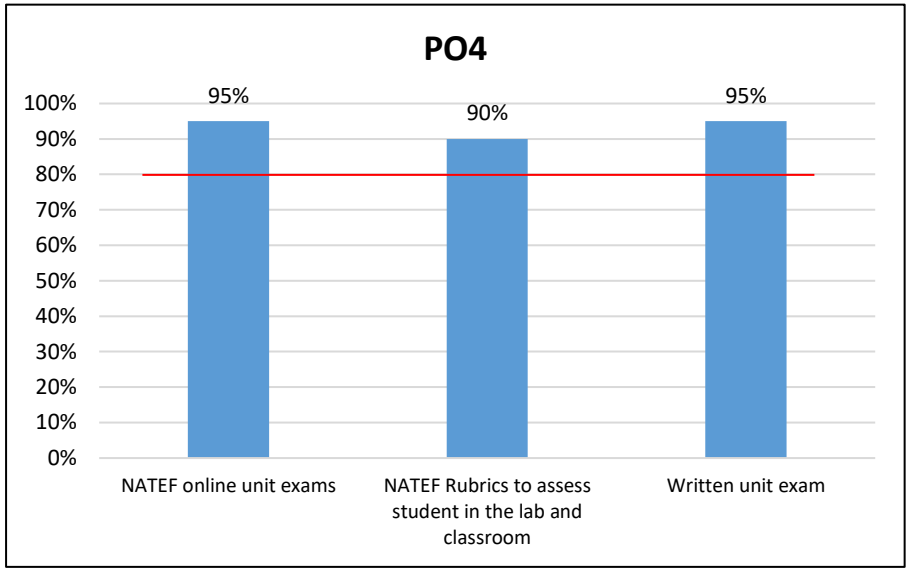


PO2: Use appropriate tools, equipment, material and computerized products found in the industry. *Target: 80% of the students achieved an 80% or better on NATEF equipment tools and material rubric.*

Assessment Results 2020-2021
Automotive Collision Repair and Refinishing #121100



PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 80% of the students achieved an 80% or better on several NATEF theory, application, and troubleshooting.*



PO4: Demonstrate the skills needed in collision repair and refinishing. *Target: 80% of the students achieved an 80% or better on commercial and industrial NATEF rubrics.*

Automotive Service Technology #120100
Program Learning Outcomes

Graduates of the program will be able to:

PO 1: Demonstrate appropriate employability skills.

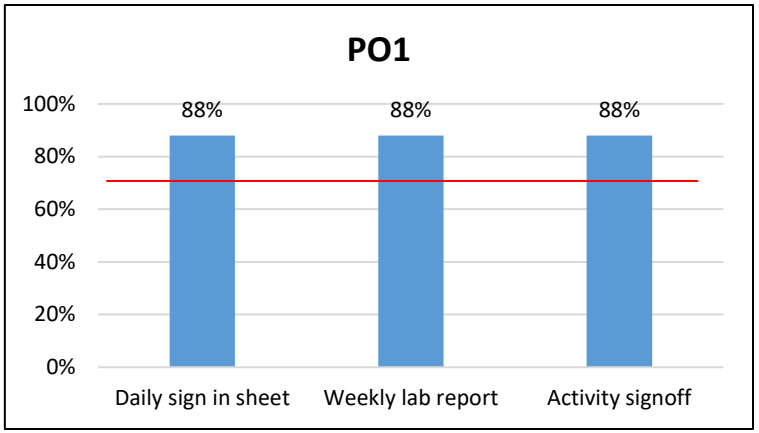
PO 2: Safely perform industry light line service procedures as described by NATEF.

PO 3: Diagnose automotive systems.

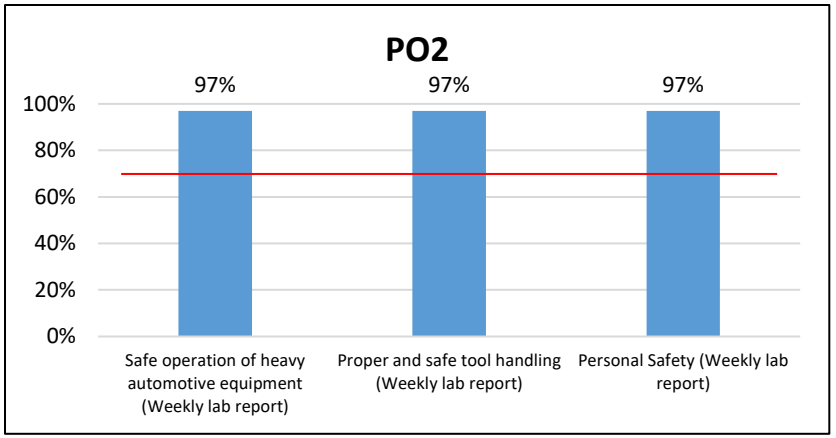
PO 4: Service automotive systems.

PO 5: Repair automotive systems.

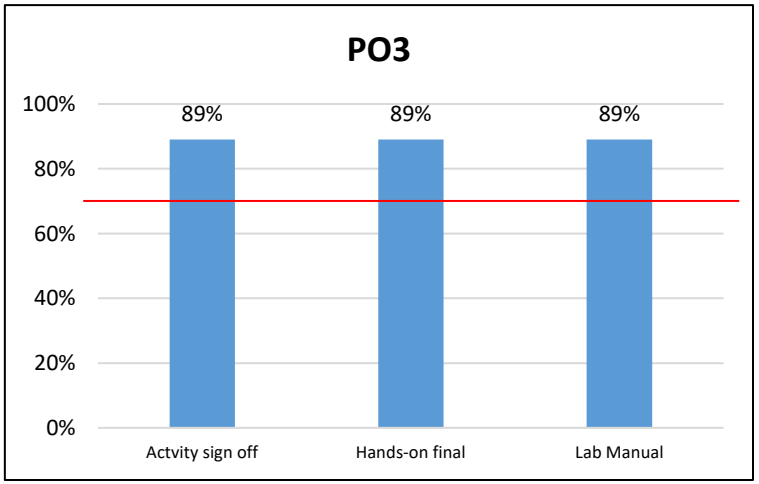
Assessment Results 2020-2021
Automotive Service Technology #120100



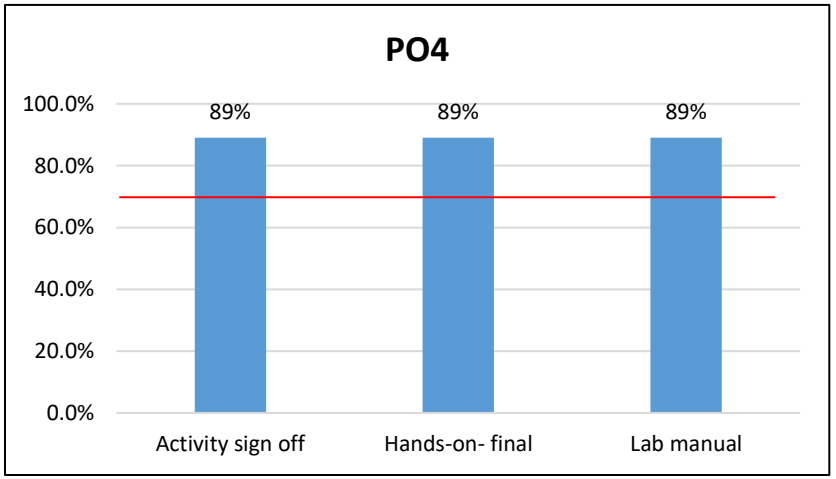
PO1: Demonstrate appropriate employability skills. *Target: 70% of the students must successfully complete all of the assessment measures.*



PO2: Safely perform industry light line service procedures as described by NATEF. Target: *70% of the students must successfully complete all of the assessment measures*.

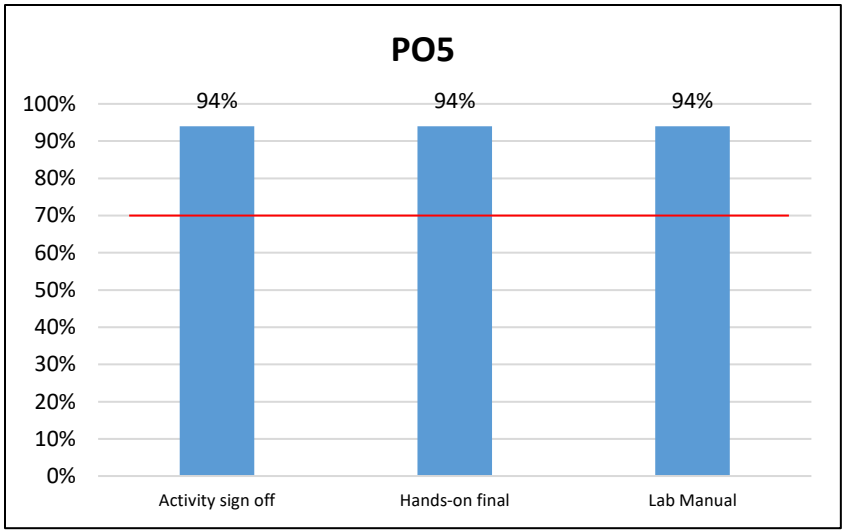


PO3: Diagnose automotive systems. *Target: 70% of the students must successfully complete all of the assessment measures.*



PO4: Service automotive systems. *Target: 70% of the students must successfully complete all of the assessment measures.*

Assessment Results 2020-2021
Automotive Service Technology #120100



PO5: Repair automotive systems. *Target: 70% of the students must successfully complete all of the assessment measures.*

CNC Machining #121400 / #120200
Program Learning Outcomes

Graduates of the program will be able to:

PO 1: Demonstrate the ability to follow safety rules and regulations to machining standards.

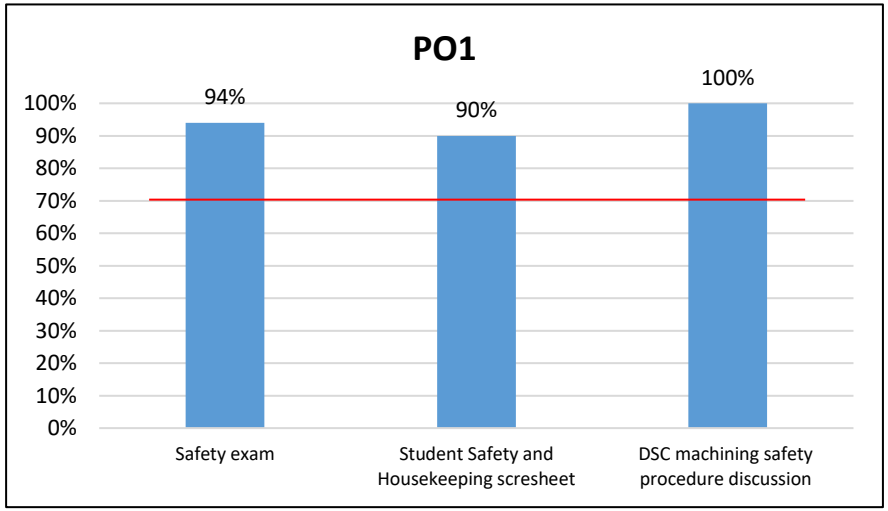
PO 2: Utilize appropriate machine tooling, equipment, materials and electrical products found in the industry.

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

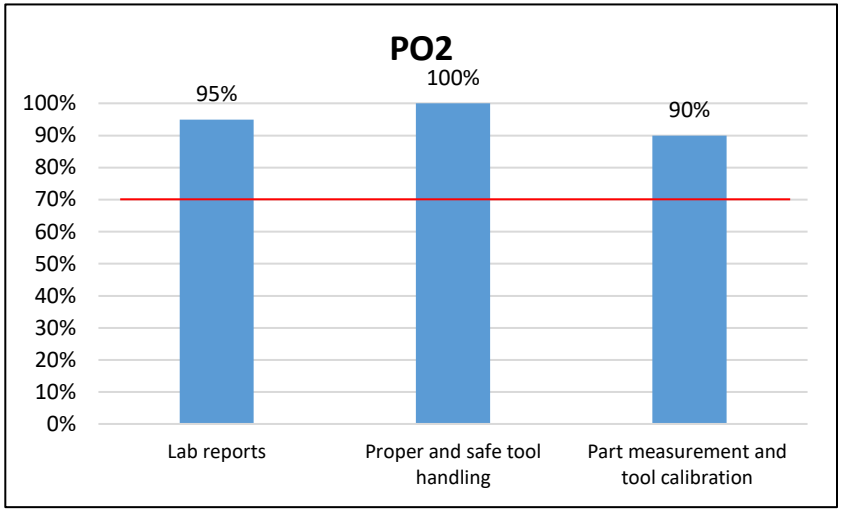
PO 4: Demonstrate the steps needed to successfully complete projects.

PO 5: Demonstrate the skills needed in the commercial and industrial markets.

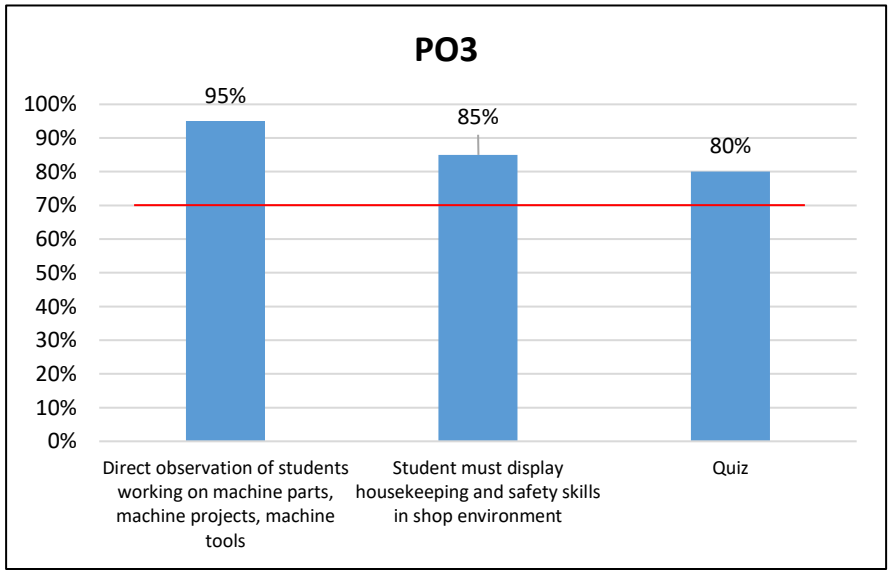
Assessment Data 2020-2021
CNC Machining #121400 / #120200



PO1: Demonstrate the ability to follow safety rules and regulations to machining standards. *Target: 70% of students must score 80% or higher on all assessment measures*

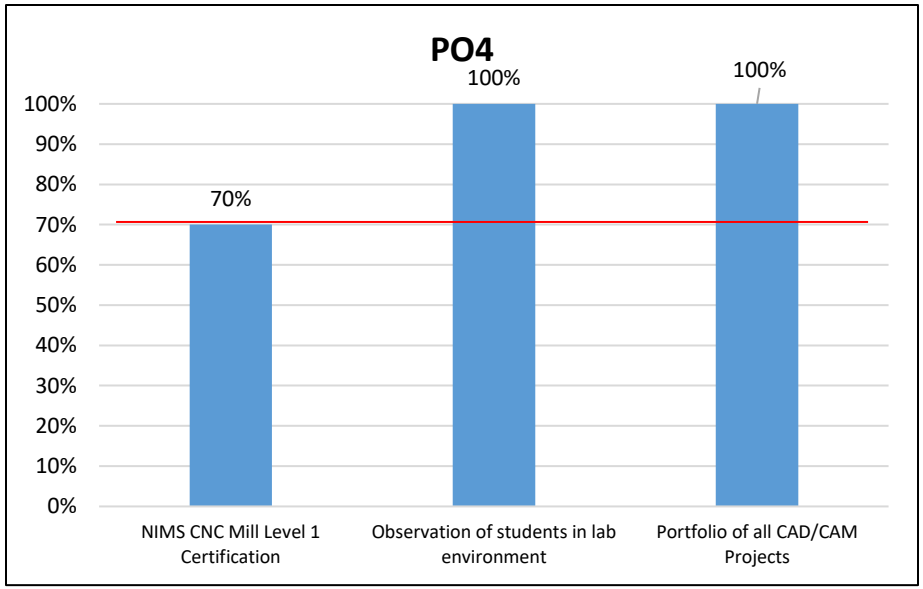


PO2: Utilize appropriate machine tooling, equipment, materials and electrical products found in the industry. *Target: 70% of the students achieving 80% or higher in all assessment measures*

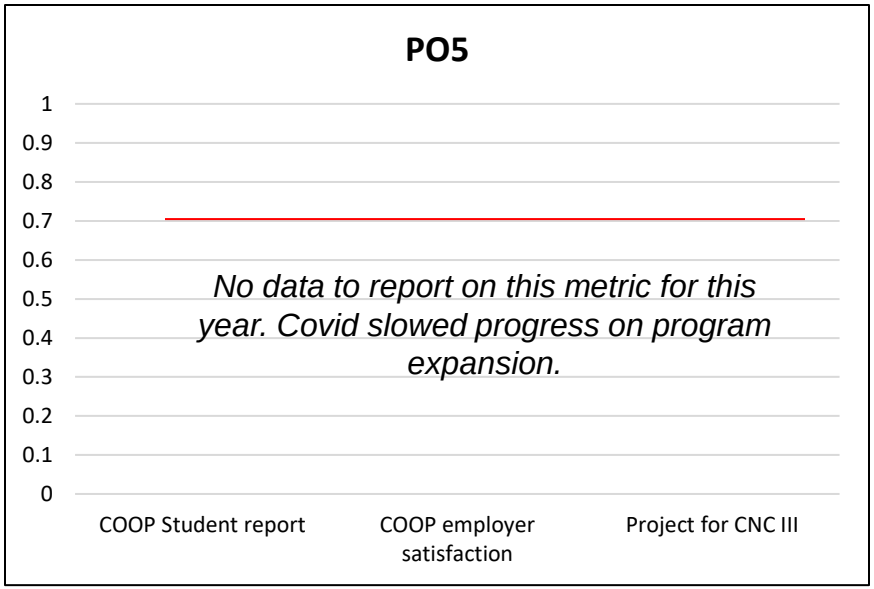


PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. Target: *70% of the students achieving 80% or higher in all assessment measures*

Assessment Data 2020-2021
CNC Machining #121400 / #120200



PO4: Demonstrate the steps needed to successfully complete projects. *Target: 70% of students achieving 80% or higher in all assessment measures*



PO5: Demonstrate the skills needed in the commercial and industrial markets. *Target: 70% of students achieving 80% or higher in all assessment measures*

Welding Technology - Applied #103300
Program Learning Outcomes

Graduates of the program will be able to:

PO 1: Demonstrate the ability to safely follow rules and regulations to welding certification standards.

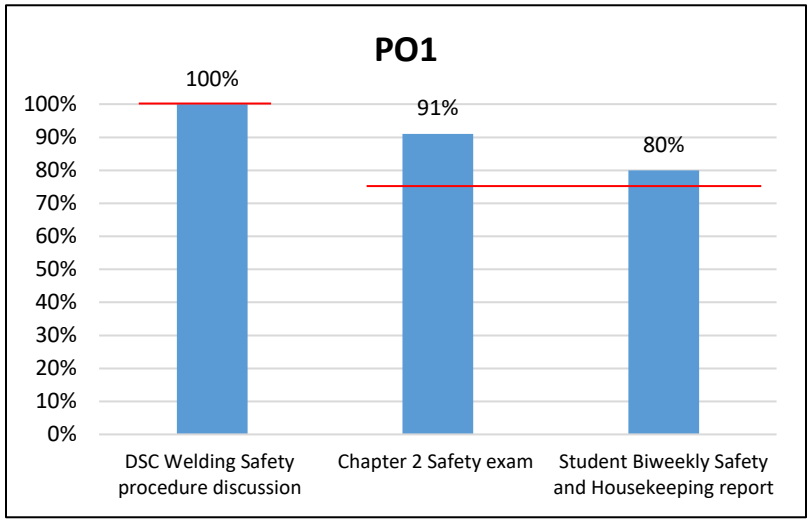
PO 2: Use appropriate tools, equipment, material, and electrical products found in industry.

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

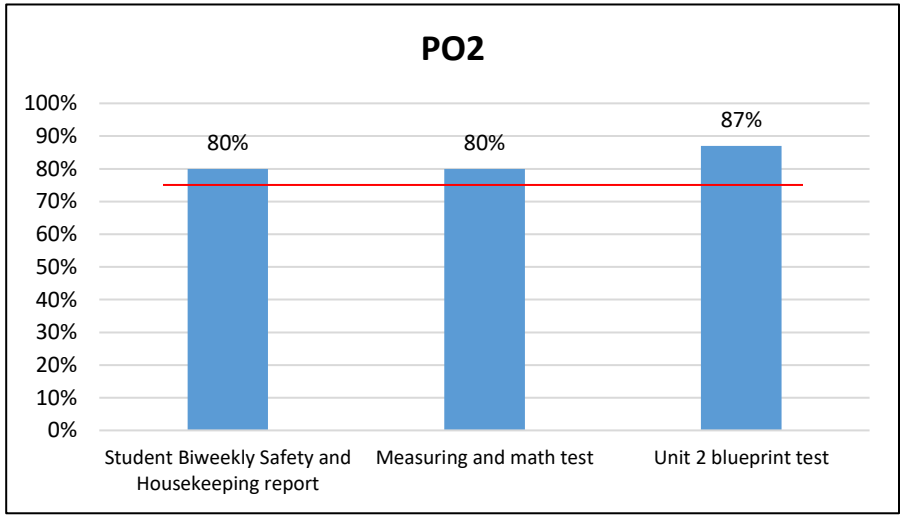
PO 4: Demonstrate the skills needed in the commercial and industrial markets.

PO 5: Demonstrate the steps needed to initiate and complete a blueprint project.

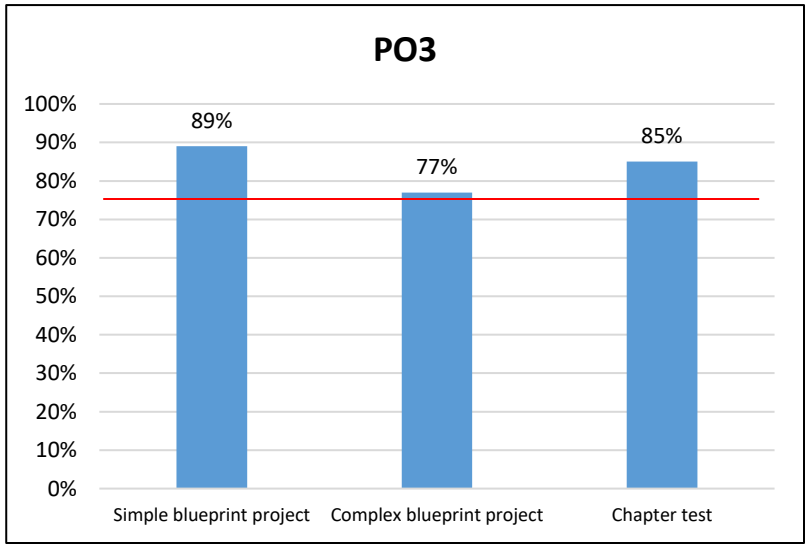
Assessment Results 2020-2021
Welding Technology – Applied #103300



PO1: Demonstrate the ability to safely follow rules and regulations to welding certification standards. *Target: 100% students discussing and signing the DSC Welding Safety procedure. 75% of students achieving 80% or higher in the Safety exams and Student Biweekly Safety and Housekeeping report*

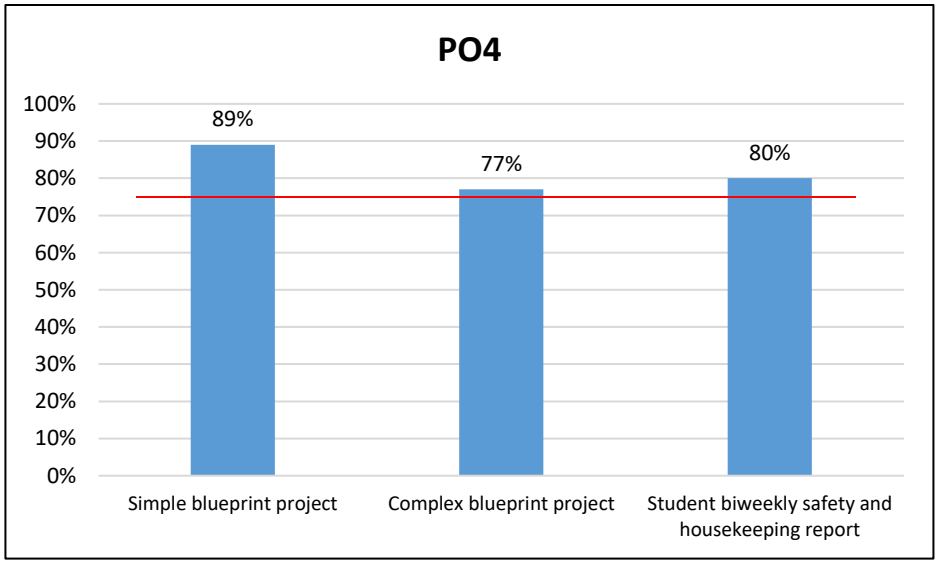


PO2: Use appropriate tools, equipment, material, and electrical products found in industry. *Target: 75% of students achieving 80% or higher in all assessment measures.*

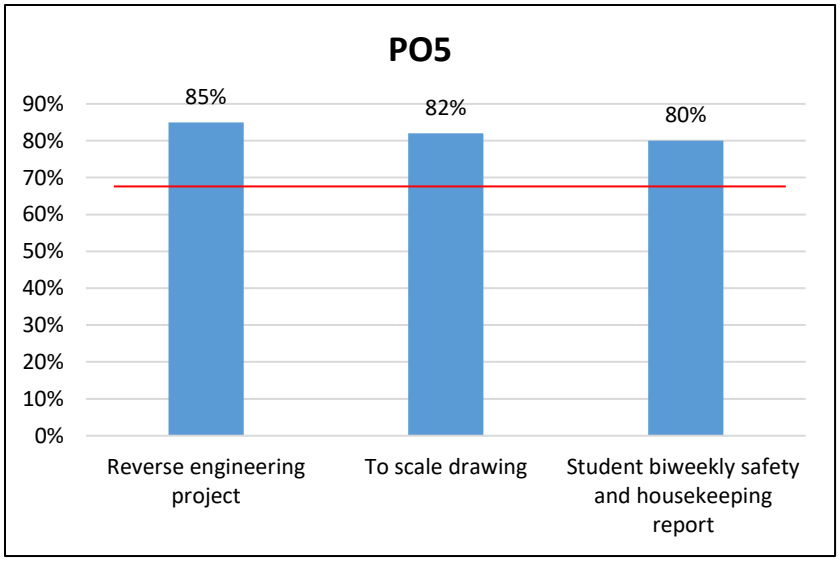


PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 75% of students achieving 80% or higher in all assessment measures.*

Assessment Results 2020-2021
Welding Technology – Applied #103300



PO4: Demonstrate the skills needed in the commercial and industrial markets. *Target: 75% of students achieving 80% or higher in all assessment measures*



PO5: Demonstrate the steps needed to initiate and complete a blueprint project. *Target: 75% of students achieving 80% or higher in all assessment measures*

Building Trades and Construction Design Tech. #120900 Program Learning Outcomes

Graduates of the program will be able to:

PO 1: Demonstrate an understanding of the construction industry and related occupations including but not limited to OSHA safety practices, selection and use of basic hand and power tools, and understanding of construction related documents.

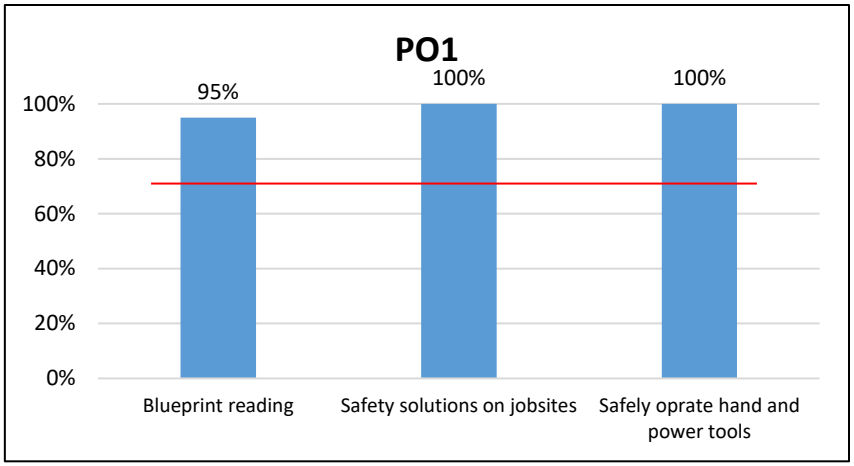
PO 2: Apply rough and finish carpentry, masonry, electrical, plumbing and air conditioning skills.

PO 3: Develop employability and entrepreneurship skills.

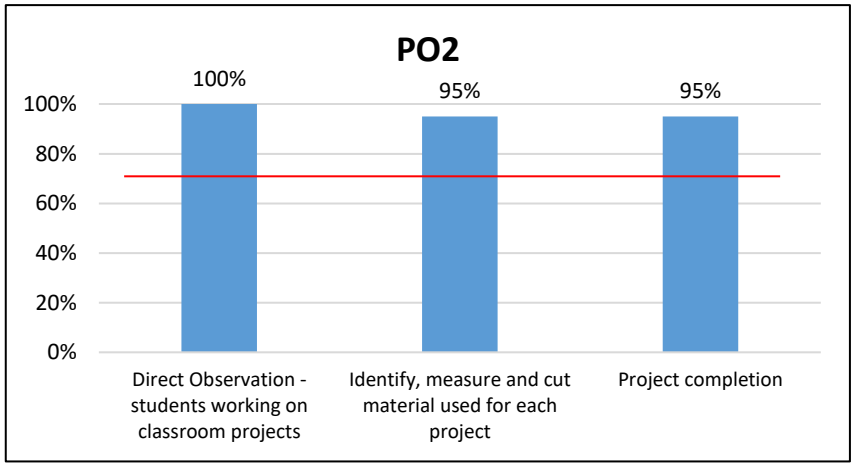
PO 4: Demonstrate the ability to plan and implement projects within the construction field.

PO 5: Gain an understanding of the International Residential Coe (IRC) Building Code.

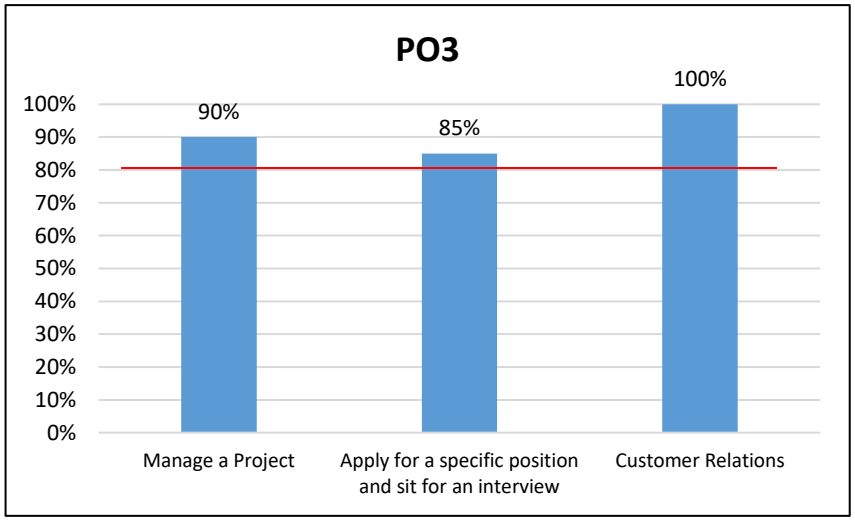
Assessment Results 2020-2021
Building Trades and Construction Design Tech. #120900



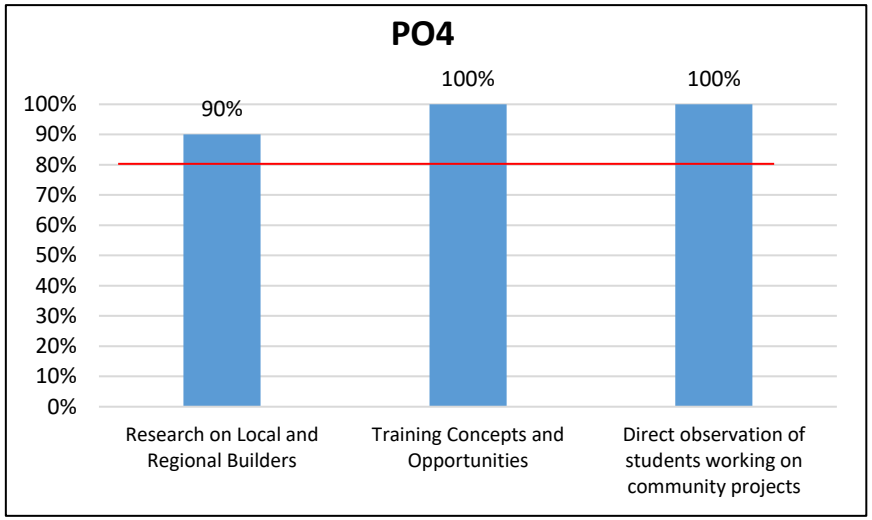
PO1: Demonstrate an understanding of the construction industry and related occupations including but not limited to OSHSA safety practices, selection and use of basic hand and power tools, and understanding of construction related documents. *Target: 70% of students will achieve 80% or higher in all assessment measures.*



PO2: Apply rough and finish carpentry, masonry, electrical, plumbing and air conditioning skills. *Target:70% of students will achieve 80% or higher in all assessment measures.*

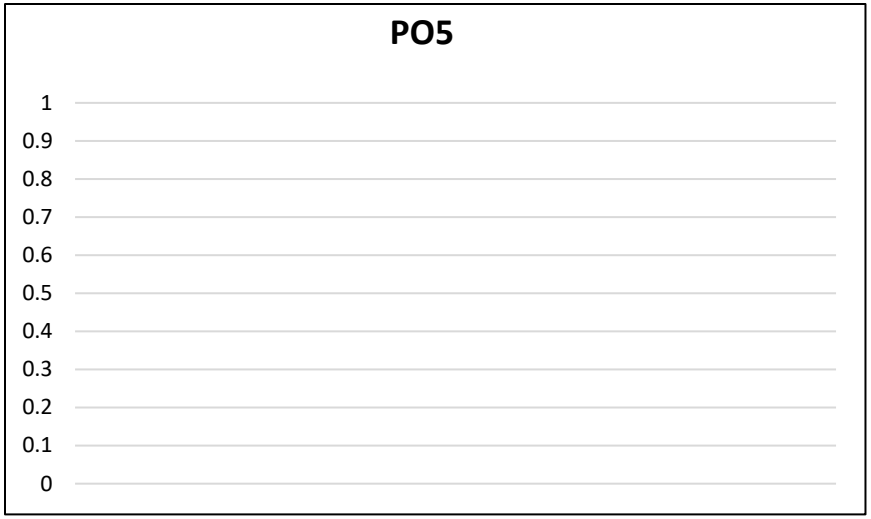


PO3: Develop employability and entrepreneurship skills. *Target: 90% of students will achieve 80% or higher in all assessment measures.*



PO4: Demonstrate the ability to plan and implement projects within the construction field. *Target: 80% of students will achieve 80% or higher in all assessment measures*

Assessment Results 2020-2021
Building Trades and Construction Design Tech. #120900



PO5: Gain an understanding of the International Residential Coe (IRC) Building Code.

Target:

Outcome results not reported.

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
Heating, Ventilation, Air Conditioning/Refrigeration Mechanic (121300/105400)	85%-95%	90%-95%	80%-85%	80%-90%	80%-95%	90%-95%	80%-90%	90%
Heating, Ventilation, Air Conditioning/Refrigeration Technology (101101/101100)	85%-95%	85%-95%	85%-90%	90%	80%-90%	80%-90%	80%-100%	90%-100%
Automotive Collision Repair and Refinishing (121100)	85%-95%	85%-95%	90%-95%	85%-90%	85%-95%	85%	100%	100%
Automotive Service Technology (120100)	86%	88%	86%	88%	86%	88%	86%	88%
Building Trades and Construction Design Technology (120900)	95%	95%	100%	100%	95%-100%	95%-100%	95%-100%	95%-100%
CNC Machining (121400/120200)	80%-90%	70%-100%	90%	90%	100%	100%	75%-95%	70%-100%
Welding Technology – Applied (103300)	80%-88%	80%-85%	80%-88%	77%-85%	80%-88%	80%-86%	80%-88%	77%-85%

Headcount by Program

Program	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
1201 - Automotive Service Technology	59	49	48	54	43
1054 - Air Conditioning, Refrigeration and Heat Mechanic*	51	51	65	57	
1213 - Heating, Ventilation, Air Conditioning/Refrigeration Mechanic				25	46
1202 - Machining	46	26	31	8	
1214 - CNC Machining				32	20
1011 - Air Conditioning, Refrigeration and Heat Technology*	33	34	44	28	
101101 - Heating, Ventilation, Air Conditioning/Refrigeration Technology				11	51
1033 - Welding Technology – Applied	35	27	66	68	57
1212 - Advanced Welding				5	3
1211 - Automotive Collision Repair and Refinishing	27	28	24	24	25
1209 - Building Trades and Construction Design Technology	22	8	23	35	23

** Old Program Code*
Students are duplicated across programs, unduplicated in the total.

Source: IR Program Assessment Data

Number of Graduates by Program

Program	2016-17	2017-18	2018-19	2019-20	2020-21
101100 - A/C Refrig. & Heating Tech.	13	17	19	15	3
101101 – Heating, Ventilation, AC/Refrigeration Tech					11
103300 - Welding Technology - Applied	21	13	29	23	34
105400 - A/C Refrig. & Heating Mechanic	11	16	22	20	3
121300 - Heating, Ventilation, AC/Refrigeration Mechanic					30
121100 - Auto. Collision Repair & Ref.	6	7	9	7	
120100 - Automotive Service Tech.	13	14	7	8	9
121400 - CNC Machining	11	6	10	4	19
120900 - Building Construction and Design Tech	5	5	0	18	7
121200 – Advanced Welding					3

Source: IR Program Assessment Data

Number of Graduates by Race/Ethnicity

Program and Race/Ethnicity	2018-2019	2019-2020	2020-2021
101101 – Heating, Vent, AC/Ref Tech			11
Black			1
Hispanic/Latino			3
Two or More Races			1
White			6
103300 - Welding Technology - Applied	29	23	34
Black	1		6
Hispanic/Latino	7	1	8
Two or More Races	2		2
Unknown		1	1
White	19	21	17
105400 - A/C Refrig. & Heating Mechanic	22	20	3
American Indian	1		
Black		2	
Hispanic/Latino	5	4	2
Native Hawaiian	1		
Two or More Races	1		
Unknown	1		
White	13	14	1
120100 - Automotive Service Tech. Cert.	7	8	9
Black	1		2
Hispanic/Latino		1	3
Two or More Races	1	2	
White	5	5	4
120900 - Building Trades/Const Tech	0	18	7
Black		3	
Hispanic/Latino		4	1
Two or More Races		1	1
White		10	5

Program and Race/Ethnicity	2018-2019	2019-2020	2020-2021
121100 - Auto Collision Repair/ Refinishing	9	7	
Black	1	1	
Hispanic/Latino	5	5	
Two or More Races	1		
White	2	1	
121200 – Advanced Welding			3
Hispanic/Latino			1
White			2
121300 – Heating, Vent, AC/Ref Mech			30
Asian			1
Black			3
Hispanic/Latino			8
Two or More Races			2
White			16
121400 - CNC Machining	10	4	19
Black		2	
Hispanic/Latino	4	1	
White	6	1	19
101100 - A/C Refrig. & Heating Tech.	19	15	3
American Indian	1		
Black		1	
Hispanic/Latino	5	4	2
Two or More Races	1		
Unknown	1		
White	11	10	1
Grand Total	96	95	119

Source: IR Program Assessment Data

Time to Degree by Program

Program	Average of Yrs to Degree (2019-20 Graduates Cohort)	Average of Yrs to Degree (2020-21 Graduates Cohort)
103300 - Welding Technology - Applied	0.56	0.70
105400 - A/C Refrig. & Heating Mech	0.96	1.56
120100 - Automotive Service Tech. Cert.	1.82	1.64
120900 - Building Trades/Const Tech	0.56	0.50
121100 - Auto Collision Repair/ Refinis	0.70	
121200 – Advanced Welding		0.50
121300 – Heating, Vent, AC/Ref Mech		0.40
121400 - CNC Machining	0.42	0.74
101100 - A/C Refrig. & Heating Tech.	0.56	1.28
101101 – Heating, Vent, AC/Ref. Tech		0.30

Source: IR Program Assessment Data

Graduation Rates (1 of 2)

Major	First Fall Term in Major		Graduation			
	Fall Term	# Students	Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1011- A/C Refrig and Heat Mech	FA16	18	9	50%	9	50%
	FA17– 200% in progress	12	8	66.7%	8	66.7%
	FA18 – In progress	19	5	26.3%	5	26.3%
101101 – Heating, Vent, AC/Ref Technician	FA18 – In progress	3	0	0%	0	0%
1033- Welding Tech-Applied	FA16	18	14	78%	14	78%
	FA17	25	11	44%	11	44%
	FA18	40	29	72.5%	29	72.5%
	FA19 – 200% in progress	45	21	46.7%	22	48.9%
	FA20 – In progress	37	19	51.4%	19	51.4%
1054- A/C Refrig and Heat Tech	FA16	17	9	53%	9	53%
	FA17	12	4	33%	4	33%
	FA18	32	13	40.6%	15	46.9%
	FA19 – 200% in progress	4	0	0%	0	0%
1213- Heating, Vent, AC/Ref Tech	FA19 – 200% in progress	5	1	20%	1	20%
	FA20 – In progress	44	23	52.3%	23	52.3%

Fall terms include prior Summer term enrollment in major.
200% Graduation Rate includes graduates in 150% Graduation Rate.

Source: IR Program Assessment Data

Graduation Rates (2 of 2)

Major	First Fall Term in Major		Graduation			
	Fall Term	# Students	Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1097- Auto Collis Repair & Refinishing	FA16	9	6	66.7%	6	66.7%
	FA17	8	5	62.5%	5	62.5%
	FA18	1	0	0%	0	0%
1211 - Auto Collision Repair/ Refinishing	FA18 – In progress	6	5	83.3%	5	83.3%
1201- Automotive Service Tech	FA16	21	6	28.6%	6	28.6%
	FA17	13	5	38.5%	5	38.5%
	FA18	23	0	0%	0	0%
1214/1202- CNC Machining	FA16	22	9	41%	10	45%
	FA17	11	3	27%	4	36%
	FA18	14	6	43%	6	43%
	FA19 – 200% in progress	28	18	64.3%	18	64.3%
	FA20 - In progress	17	9	52.9%	9	52.9%
1209 – Building Trades and Construction Tech	FA16	16	3	19%	3	19%
	FA17	5	3	60%	3	60%
	FA18	12	7	58.3%	7	58%
	FA19 – 200% in progress	14	6	42.9%	6	42.9%
	FA20 - In progress	9	3	33.3%	3	33.3%
1212 – Advanced Welding	FA19 – 200% in progress	5	5	100%	5	100%
	FA20 - In progress	3	3	100%	3	100%

Fall terms include prior Summer term enrollment in major.
200% Graduation Rate includes graduates in 150% Graduation Rate.

Source: IR Program Assessment Data

Graduation Rates by Race/Ethnicity (1 of 3)

Major	Fall Term	Race/Ethnicity	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1011- A/C Refrig and Heat Mech	FA16	Black	3	1	33.3%	1	33.3%
		Hispanic/Latino	2	1	50%	1	50%
		Native Hawaiian	2	1	50%	1	50%
		White	11	6	54.5%	6	54.5%
	FA17– 200% in progress	Hispanic	2	2	100%	2	100%
		Two or More Races	1	0	0%	0	0%
		White	9	6	66.7%	6	66.7%
	FA18 – In progress	Black	3	0	0%	0	0%
		Hispanic	6	3	50%	3	50%
		White	10	2	20%	2	20%
101101 – Heating, Vent, AC/Ref Mec	FA18 – In progress	Hispanic	1	0	0%	0	0%
1033- Welding Tech-Applied	FA18	Black	5	1	20%	1	20%
		Hispanic	7	6	85.7%	6	85.7%
		Two or More Races	3	3	100%	3	100%
		White	25	19	76%	19	76%
	FA19 – 200% in progress	Black	1	1	100%	1	100%
		Hispanic	5	1	20%	1	20%
		Two or More Races	2	1	50%	1	50%
		Unknown	1	0	0%	0	0%
		White	36	18	50%	18	50%
	FA20 – In progress	Black	5	4	80%	4	80%
		Hispanic	9	6	66.7%	6	66.7%
		Unknown	4	1	25%	1	25%
		White	19	8	42.1%	8	42.1%

Graduation Rates by Race/Ethnicity (2 of 3)

Major	Fall Term	Race/Ethnicity	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1054- A/C Refrig and Heat Tech	FA18	Black	4	1	25%	2	50%
		Hispanic	5	2	40%	3	60%
		Two or More Races	1	0	0%	0	0%
		Unknown	1	0	0%	0	0%
		White	21	10	47.6%	10	47.3%
	FA19 – 200% in progress	Black	1	0	0%	0	0%
		Hispanic	1	0	0%	0	0%
		Two or More Races	1	0	0%	0	0%
		White	1	0	0%	0	0%
1213 – Heating, Vent, A/C Refrig Tech	FA19 – 200% in progress	Hispanic/Latino	1	0	0%	0	0%
		Two or More Races	2	1	50%	1	50%
		White	2	0	0%	0	0%
	FA20 – In progress	Asian	2	1	50%	1	50%
		Black	8	3	37.5%	3	37.5%
		Hispanic/Latino	11	6	54.5%	6	54.5%
		Two or More Races	2	1	50%	1	50%
		White	21	12	57.1%	12	57.1%
1097- Auto Collis Repair & Ref	FA16	Black	3	1	33.3%	1	33.3%
		Hispanic/Latino	3	2	66.7%	2	66.7%
		White	3	3	100%	3	100%
	FA17 – 200% in progress	Hispanic	4	3	75%	3	75%
		Two or More Races	1	1	100%	1	100%
		White	3	1	33.3%	1	33.3%
	FA18 – In Progress	Hispanic	1	0	0%	0	330%
1211 – Auto Collis Repair & Ref	FA18 – In progress	Hispanic/Latino	4	4	100%	4	100%
		White	2	1	50%	1	50%

Graduation Rates by Race/Ethnicity (3 of 3)

Major	Fall Term	Race/Ethnicity	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1201- Automotive Service Tech	FA16	Black	2	1	50%	1	50%
		Hispanic/Latino	5	0	0%	0	0%
		Two or More Races	2	1	50%	1	50%
		White	13	4	33.3%	4	33.3%
	FA17 – 200% in progress	Black	2	0	0%	0	0%
		Hispanic	2	0	0%	0	0%
		Two or More Races	1	1	100%	1	100%
		White	8	4	50%	4	50%
	FA18 –In Progress	Black	4	0	0%	0	0%
		Hispanic	5	2	40%%	2	40%%
		Two or More Races	1	1	100%	1	100%
		Unknown	1	0	0%	0	0%
		White	12	4	33.3%	4	33.3%
1214/1202- Machining	FA18	Black	1	0	0%	0	0%
		Hispanic	1	1	100%	1	100%
		White	12	5	42%	5	42%
	FA19 – 200% in progress	Black	4	3	75%	3	75%
		Hispanic	3	3	100%	3	100%
		Unknown	1	0	0%	0	0%
		White	20	12	60%	12	60%
	FA20 – In progress	Black	1	0	0%	0	0%
		Hispanic	1	0	0%	0	0%
		Two or More Races	1	0	0%	0	0%
		White	14	9	64.3%	9	64.3%
1209 – Building Trades and Construction Tech	FA18	Black	1	1	100%	1	100%
		Hispanic	4	2	50%	2	50%
		Unknown	1	0	0%	0	0%
		White	6	4	66.7%	4	66.7%
	FA19 – 200% in progress	Black	3	0	0%	0	0%
		Two or More Races	2	1	50%	1	50%
		White	9	5	55.6%	5	55.6%
	FA20 – In progress	Black	1	0	0%	0	0%
		Hispanic	4	1	25%	1	25%
		White	4	2	50%	2	50%
1212 – Advanced Welding	FA19 – 200% in progress	White	5	5	100%	5	100%
	FA20 – In progress	Hispanic/Latino	1	1	100%	1	100%
		White	2	2	100%	2	100%

Graduation Rates by Gender (1 of 2)

Major	Fall Term	Gender	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1011- A/C REFRIG AND HEAT TECH	FA16	Male	17	9	52.9%	9	52.9%
		PrefNoAns	1	0	0%	0	0%
	FA17 – 200% in progress	Male	12	8	66.7%	8	66.7%
	FA18– In progress	Female	1	0	0%	0	0%
		Male	18	5	27.8%	5	27.8%
101101 – HEATING, VENT, AC/REF TECHNICIAN	FA18 – In progress	Male	1	0	0%	0	0%
1033- WELDING TECH-APPLIED	FA18	Female	3	3	100%	3	100%
		Male	37	26	70.3%	26	70.3%
	FA19 – 200% in progress	Female	3	1	33.3%	1	33.3%
		Male	42	20	47.6%	21	50%
	FA20 – In progress	Female	5	3	60%	3	60%
		Male	32	16	50%	16	50%
1054- A/C REFRIG AND HEAT MECH	FA18	Female	1	1	100%	1	100%
		Male	30	11	36.7%	13	43.3%
		Unknown	1	1	100%	1	100%
	FA19 – 200% in progress	Male	4	0	0%	0	0%
1213 – Heating, Vent, AC/Ref Mechanic	FA19 – 200% in progress	Male	5	1	20%	1	20%
	FA20 – In progress	Male	44	23	52.3%	23	52.3%
1097 – Auto Collision Repair & Ref.	FA16	Female	2	2	100%	2	100%
		Male	7	4	57.1%	4	57.1%
	FA17 – 200% in progress	Female	1	0	0%	0	0%
		Male	7	5	71.4%	5	71.4%
	FA18 – In progress	Male	1	0	0%	0	0%
1211- AUTO COLLIS REPAIR & REF	FA18 – In progress	Male	6	5	83.3%	5	83.3%

Graduation Rates by Gender (2 of 2)

Major	Fall Term	Gender	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1201- AUTOMOTIVE SERV TECH	FA16	Female	5	1	20%	1	20%
		Male	16	5	31.3%	5	31.3%
	FA17 – 200% in progress	Female	1	0	0%	0	0%
		Male	12	5	41.7%	5	41.7%
	FA18 – In progress	Female	2	1	50%	1	50%
		Male	21	6	28.6%	6	28.6%
1214/1202- MACHINING	FA18	Male	14	6	43%	6	43%
	FA19 – 200% in progress	Female	5	1	20%	1	20%
		Male	22	16	72.7%	16	72.7%
		PrefNoAns	1	1	100%	1	100%
	FA20 – In progress	Female	1	1	100%	1	100%
		Male	14	7	50%	7	50%
		PrefNoAns	1	0	0%	0	0%
		Unknown	1	1	100%	1	100%
1209 – BUILDING TRADES & CONSTRUCTION TECH	FA18	Female	2	0	0%	0	0%
		Male	10	7	70%	7	70%
	FA19 – 200% in progress	Female	2	1	50%	1	50%
		Male	11	5	45.5%	5	50%
		PrefNoAns	1	0	0%	0	0%
	FA20 – In progress	Female	1	1	100%	1	100%
		Male	7	1	14.3%	1	14.3%
		PrefNoAns	1	1	100%	1	100%
1212 – ADVANCED WELDING	FA19 – 200% in progress	Male	5	5	100%	5	100%
	FA20 – In progress	Female	1	1	100%	1	100%
		Male	2	2	100%	2	100%

Source: IR Program Assessment Data

Persistence Rates

Program	Term	Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Retained by College
					N	%	N	%	%
1033- WELDING TECH-APPLIED	FA16 to SP17	25	3	22	1	5%	16	73%	77%
	FA17 to SP18	27	0	27	0	0%	21	78%	78%
	FA18 to SP19	41	0	41	0	0%	33	80%	80%
	FA19 to SP20	50	0	50	1	2%	36	72%	72%
	FA20 to SP21	37	0	37	2	5.4%	32	86.5%	91.9%
1209 – BUILDING TRADES & CONSTRUCTION TECH	FA16 to SP17	20	9	17	2	12%	6	35%	47%
	FA17 to SP18	7	1	7	0	0%	6	86%	86%
	FA18 to SP19	14	0	14	1	7%	10	71%	78%
	FA19 to SP20	15	0	15	0	0%	10	66.7%	66.7%
	FA20 to SP21	10	0	10	0	0%	10	100%	100%
1212 – ADV WELDING	FA19 to SP20	5	0	5	0	0%	0	0%	0%
	FA20 to SP21	2	0	2	0	0%	2	100%	100%
1213 - Heating, Vent, AC/Ref Mechanic	FA20 to SP21	38	16	22	2	9.1%	15	68.2%	77.3%
1214/1202-MACHINING	FA16 to SP17	31	8	30	2	7%	20	67%	73%
	FA17 to SP18	22	5	20	1	5%	14	70%	75%
	FA18 to SP19	20	0	20	0	0%	15	75%	75%
	FA19 to SP20	27	0	27	0	0%	24	88.9%	88.9%
	FA20 to SP21	16	0	16	1	6.3%	10	62.5%	68.8%

Source: IR Program Assessment Data

Persistence Rates by Race/Ethnicity (1 of 2)

Major	Term	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1033- WELDING TECH-APPLIED	FA17 to SP18	Hispanic	5	0	5	5	100%
		White	20	0	20	15	75%
	FA18 to SP19	Black	4	0	4	2	50%
		Hispanic	8	0	8	6	75%
		Two or More Races	2	0	2	2	100%
		Unknown	1	0	1	0	0%
		White	26	0	26	23	88%
	FA19 to SP20	Black	1	0	1	1	50%
		Hispanic	6	0	6	4	66.7%
		Two or More Races	2	0	2	2	100%
		Unknown	2	0	2	2	100%
		White	39	0	39*	27	69.2%
	FA20-SP21	Black	5	0	5	5	100%
		Hispanic	9	0	9	9	100%
		Unknown	4	0	4	4	100%
		White	19	0	19*	14	73.7%
1209 – BUILDING TRADES/ CONSTRUCTION TECH	FA17 to SP18	Hispanic	2	0	2	2	100%
		Two or More Races	1	0	1	1	100%
		White	4	0	4	3	75%
	FA18 to SP19	Black	1	0	1	1	100%
		Hispanic	4	0	4*	3	75%
		Unknown	2	0	2	1	50%
		White	7	0	7	5	71%
	FA19 to SP20	Black	4	0	4	2	50%
		Two or More Races	2	0	2	2	100%
		White	9	0	9	6	66.7%
	FA20 to SP21	Black	2	0	2	2	100%
		Hispanic	4	0	4	4	100%
		White	4	0	4	4	100%

**one or more students retained by DSC*

Source: IR Program Assessment Data

Persistence Rates by Race/Ethnicity (2 of 2)

Major	Term	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1212 – ADV WELDING	FA19 to SP20	White	5	0	5	5	100%
	FA20 to SP21	Hispanic/Latino	1	1	1	1	100%
		White	1	1	1	1	100%
1213 - Heating, Vent, AC/Ref Mechanic	FA20 to SP21	Asian	2	1	1	0	0%
		Black	2	0	0	0	0%
		Hispanic/Latino	11	6	5	5	100%
		Two or More Races	2	1	1	1	100%
		White	21	8	13*	9	69.2%
1214/1202-MACHINING	FA17 to SP18	Black	1	0	1*	0	0%
		Hispanic/Latino	6	0	6	6	100%
		White	15	2	13	8	62%
	FA18 to SP19	Black	1	0	1	1	100%
		Hispanic/Latino	4	0	4	2	50%
		White	15	0	15	12	80%
	FA19 to SP20	Black	4	0	4	3	75%
		Hispanic/Latino	3	0	3	3	100%
		Unknown	1	0	1	0	0%
		White	19	0	19	18	94.7%
	FA20 to SP21	Black	1	0	1	0	0%
		Hispanic/Latino	1	0	1*		
		Two or More Races	1	0	1	0	0%
		White	13	0	13	10	76.9%

**one or more students retained by DSC*

Source: IR Program Assessment Data

Persistence Rates by Gender (1 of 2)

Major	Term	Gender	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1033- WELDING TECH-APPLIED	FA18 to SP19	Female	3	0	3	3	100%
		Male	38	0	38	30	79%
	FA19 to SP20	Female	4	0	4	4	100%
		Male	45	0	45*	32	71.1%
		Unknown	1	0	1	0	0%
	FA20 to SP21	Female	5	0	5	3	60%
		Male	32	0	32*	29	90.6%
1209 – BUILDING TRADES/ CONSTRUCTION TECH	FA18 to SP19	Female	2	0	2	0	0%
		Male	12	0	12	10	83%
	FA19 to SP20	Female	4	0	4	2	50%
		Male	11	0	11	8	72.7%
	FA20 to SP21	Female	2	0	2	2	100%
		Male	7	0	7	7	100%
		PrefNoAns	1	0	1	1	100%
1212 – ADV WELDING	FA19 to SP20	Male	3	0	3	3	100%
		Unknown	2	0	2	2	100%
	FA20 to SP21	Female	1	0	1	1	100%
		Male	1	0	1	1	100%

**one or more students retained by DSC*

Source: IR Program Assessment Data

Persistence Rates by Gender (2 of 2)

Major	Term	Gender	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1213 - Heating, Vent, AC/Ref Mechanic	FA20 to SP 21	Male	38	16	22*	15	68.2%
1214/1202-MACHINING	FA18 to SP19	Male	20	0	20	15	75%
	FA19 to SP20	Female	5	0	5	4	80%
		Male	20	0	20	19	95%
		PrefNoAns	1	0	1	1	100%
		Unknown	1	0	1	0	0%
	FA20 to SP21	Male	14	0	14*	9	64.3%
		PrefNoAns	1	0	1	0	0%
		Unknown	1	0	1	1	100%

**one or more students retained by DSC*

Source: IR Program Assessment Data

Retention Rates

Major	Term	Registered	Exclusions	Adjusted Cohort	Retained by College		Retained by Program		Total Retained
					#	%	#	%	
1011 - Air Conditioning, Refrigeration, and Heating Technology	FA19 – FA20	15	9	6	1	16.7%	0	0%	16.7%
101101 – Heating, Ventilation, AC/Refrigeration Technology	FA19 – FA20	12	0	12	1	8.3%	4	33.3%	41.7%
1201 - Automotive Service Technology	FA19 – FA20	41	9	32	0	0%	12	37.5%	37.5%
1211 - Automotive Collision Repair and Refinishing	FA19 – FA20	11	2	9	0	0%	6	66.7%	66.7%

Source: IR Program Assessment Data

Retention Rates by Race/Ethnicity

Major	Term	Race/ Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1011 - Air Conditioning, Refrigeration, and Heating Technology	FA19 – FA20	Black	2	0	2*	0	0%
		Hispanic	5	4	1	0	0%
		White	8	5	3	0	0%
101101 – Heating, Ventilation, AC/Refrigeration Technology	FA19 – FA20	Black	1	0	1	1	100%
		Hispanic	2	0	2*	0	0%
		White	9	0	9	3	33.3%
1201 - Automotive Service Technology	FA19 – FA20	Black	4	0	4	2	50%
		Hispanic	13	2	11	5	45.5%
		Two or More Races	2	1	1	0	0%
		White	22	6	18	5	31.3%
1211 - Automotive Collision Repair and Refinishing	FA19 – FA20	Black	1	1	0		
		Hispanic	3	1	2	2	100%
		White	7	0	7	4	57.1%

**one or more students retained by DSC*

Source: IR Program Assessment Data

Retention Rates by Gender

Major	Term	Gender	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1011 - Air Conditioning, Refrigeration, and Heating Technology	FA19 – FA20	Female	2	1	1*		
		Male	13	8	5	0	0%
101101 – Heating, Ventilation, AC/Refrigeration Technology	FA19 – FA20	Female	1	0	4	0	0%
		Male	10	0	10*	4	40%
		PrefNoAns	1	0	1	0	0%
1201 - Automotive Service Technology	FA19 – FA20	Female	3	2	1	0	0%
		Male	36	7	29	12	41.4%
		Unknown	2	0	2	0	0%
1211 - Automotive Collision Repair and Refinishing	FA19 – FA20	Female	1	1	0	0	0%
		Male	9	0	9	6	66.7%
		Unknown	1	1	0	0	0%

**one or more students retained by DSC*

Source: IR Program Assessment Data

Placement Rates

		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		Average Annual Salary
Program Title	Major(s)	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
Air Conditioning, Refrigeration, and Heating Technology	1011, 1054	75%	49%	N/A	54%	85%	59%	***%	64%	67%	55%	76%	67%	$33,160
Automotive Collision Repair and Refinishing	1211	75%	54%	100%	81%	100%	76%	33%	79%	100%	73%	60%	***%	$**,***
Automotive Service Technology	1201	75%	66%	100%	85%	***%	83%	83%	80%	79%	75%	80%	82%	$**,***
Machining	1202	71%	64%	100%	100%	77%	77%	100%	100%	80%	80%	57%	63%	$**,***
Welding Technology - Applied	1033	33%	55%	67%	66%	***%	68%	93%	68%	63%	67%	67%	73%	$30,356
Building Trades and Construction Technology	1209					New Program		33%	33%	75%	57%	N/A	N/A	$**,***

Source: Florida Education Training Placement Information Program (FETPIP)

N/A - No placement data for the program.

(****), ($**,***), or (***%) - Number of graduates less than 10 but greater than 0 suppressed.

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 (1 of 3)

Major and Associated Courses with Instructional Method		2017-2018		2018-2019		2019-2020		2020-2021	
		# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
101101 (1011) – Heating, Ventilation, AC/Refr Technology	ACR0061C	28	96%	32	100%	47	83%	18	94%
	ACR0062C	29	90%	33	91%	48	90%	16	81%
	ACR0506C	21	95%	54	81%	13	77%	16	100%
	ACR0600C	17	94%	28	93%	35	80%	24	100%
	ACR0601C	17	94%	28	100%	35	77%	25	96%
	ACR0742C	16	100%	28	96%	36	94%	26	92%
	ACR0815C	17	94%	26	96%	34	82%	25	96%
	Major					248	84%	150	95%
1213 (1054) and 101101 A/C, Refrigeration & Heating Tech	ACR0001C	42	88%	63	95%	64	88%	54	80%
	ACR0002C	38	89%	63	97%	59	76%	47	74%
	ACR0100C	46	80%	64	97%	65	92%	55	84%
	ACR0102C	39	90%	64	95%	61	75%	49	76%
	ACR0150C	24	71%	62	81%	47	87%	36	89%
	ACR0205C	27	85%	34	100%	75	93%	36	94%
	ACR0741C	26	54%	61	70%	45	84%	38	92%
	ACR0850C	23	87%	58	83%	44	82%	38	84%
	Major	410	86%	698	90%	460	85%	353	83%
1033- Welding Technology at Daytona	PMT0106C	27	96%	67	88%	53	92%	55	96%
	PMT0109C	26	100%	64	88%	52	90%	54	87%
	PMT0121C	26	92%	62	90%	48	94%	52	92%
	PMT0131C	22	91%	34	97%	57	96%	34	97%
	PMT0134C	23	96%	35	94%	60	97%	32	84%
	PMT0154C	26	88%	59	88%	44	93%	50	84%
	PMT0161C	23	87%	35	100%	61	92%	31	97%
	PMT0171C	20	90%	33	94%	58	93%	33	97%
	PMT0290	9	100%						
	Major	202	93%	389	91%	433	94%	341	91%

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 Rates (2 of 3)

Major and Associated Courses with Instructional Method		2017-2018		2018-2019		2019-2020		2020-2021	
		# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1211 Automotive Collision Repair & Refinishing ATC	ARR0021					7	100%		
	ARR0121C	12	100%	12	83%	11	100%	15	87%
	ARR0122C	16	94%	9	78%	16	81%		
	ARR0123C	13	100%	14	93%	7	100%	18	83%
	ARR0241C	13	100%	12	83%	11	100%	15	87%
	ARR0242C	16	94%	9	78%	16	0%		
	ARR0243C	13	100%	14	93%	7	100%	18	83%
	ARR0244C	13	100%	10	90%	5	100%	18	83%
	ARR0381C	12	100%	12	83%	11	100%	15	87%
	ARR0382C	16	88%	9	78%	16	81%		
	ARR0949			3	100%	4	100%		
	Major	124	97%	104	86%	111	80%	99	85%
1201-Automotive Service Technology ATC	AER0014C	17	94%	22	73%	26	96%	18	89%
	AER0110C	14	86%	17	65%	14	79%	19	84%
	AER0172C	19	74%	17	82%	16	88%	18	89%
	AER0257C	18	67%	20	85%	19	53%	17	76%
	AER0274C	15	87%	18	83%	25	88%	17	94%
	AER0360C	18	78%	18	67%	20	65%	20	70%
	AER0418C	15	93%	18	72%	24	75%	17	88%
	AER0453C	12	100%	17	76%	15	80%	19	79%
	AER0503C	15	67%	17	76%	23	61%	17	82%
	Major	143	82%	164	76%	182	76%	162	83%

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 Rates (3 of 3)

Major and Associated Courses with Instructional Method		2017-2018		2018-2019		2019-2020		2020-2021	
		# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1214/1202 CNC Machining	PMT0202C					29	93%	17	82%
	PMT0211C	34	79%	19	89%				
	PMT0215C	34	68%	19	89%				
	PMT0251C	28	82%	24	92%	29	100%	13	100%
	PMT0255C	26	85%	21	95%				
	PMT0260C	18	100%	27	100%	24	83%	16	94%
	PMT0265C	17	88%	27	96%				
	PMT0290					6	100%		
	PMT0720C	13	92%	12	100%			17	100%
	TDR0304C	15	93%	24	92%				
	PMT0720C			22	91%	29	97%		
	Major	185	83%	195	94%	117	94%	63	88%
1212 Advanced Welding	PMT0076C							3	100%
	PMT0077C							3	100%
	PMT0078C							3	100%
	Major							9	100%
1209 Building Trades and Construction Tech.	BCV0080L	15	93%	20	85%	18	78%	13	100%
	BCV0081L	7	71%	13	100%	17	100%	24	83%
	BCV0082L	7	71%	15	93%	16	100%	23	78%
	BCV0084L	7	71%	13	100%	17	94%	22	91%
	BCV0942C					28	96%	14	79%
	Major	36	81%	61	93%	96	94%	96	85%

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 Rates by Race/Ethnicity (1 of 4)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	#	Success	#	Success	#	Success
1213 & 101101 (1054 & 1011) - A/C, Refri & Heating	698	90%	601	84%	503	87%
ACR0001C	63	95%	64	88%	54	80%
Asian			2	100%	4	100%
Black	9	89%	8	88%	7	43%
Hispanic	13	100%	16	81%	12	92%
Two or More Races	2	100%	4	100%		
Unknown	2	100%	1	0%	1	100%
White	37	95%	33	91%	30	80%
ACR0002C	63	97%	59	76%	47	74%
Asian			2	50%	4	75%
Black	9	89%	8	63%	2	50%
Hispanic	13	100%	14	79%	10	90%
Two or More Races	2	100%	4	75%		
Unknwon					1	100%
White	37	97%	31	81%	30	70%
ACR0061C	32	100%	47	83%	18	94%
Asian					1	100%
Black	3	100%	5	80%	1	100%
Hispanic	6	100%	10	80%	6	83%
Two or More Races					2	100%
Unknown	1	100%	2	100%		
White	20	100%	30	83%	8	100%
ACR0062C	33	91%	48	90%	16	81%
Asian					1	100%
Black	3	67%	5	80%	1	100%
Hispanic	6	100%	10	80%	4	75%
Two or More Races					2	100%
Unknown	1	100%	2	100%		
White	21	90%	31	94%	8	75%
ACR0100C	64	97%	65	92%	55	84%
Asian			2	100%	4	100%
Black	9	100%	8	88%	7	43%
Hispanic	14	86%	16	100%	11	91%
Two or More Races	2	100%	4	100%		
Unknown	2	100%	1	100%	1	100%
White	37	100%	34	88%	32	88%

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	#	Success	#	Success	#	Success
ACR0102C	64	95%	61	75%	49	76%
Asian			2	50%	4	75%
Black	9	89%	8	75%	3	33%
Hispanic	14	93%	15	60%	11	91%
Two or More Races	2	100%	4	75%		
Unknown					1	100%
White	37	97%	32	84%	30	73%
ACR0150C	62	81%	47	87%	36	89%
Asian			1	100%		
Black	8	50%	6	83%	1	100%
Hispanic	11	91%	9	100%	14	86%
Two or More Races	3	0%	4	75%	1	0%
Unknown	2	100%	1	100%		
White	37	89%	26	85%	20	95%
ACR0205C	34	100%	75	93%	36	94%
Asian			1	100%	1	0%
Black	4	100%	9	100%	1	100%
Hispanic	6	100%	17	88%	13	100%
Two or More Races	1	100%	2	100%	1	100%
Unknown	1	100%	2	100%		
White	21	100%	44	93%	20	95%
ACR0506C	54	81%	13	77%	16	100%
Asian					1	100%
Black	6	67%	1	100%	1	100%
Hispanic	11	73%	2	100%	5	100%
Two or More Races	2	50%	1	100%	1	100%
Unknown	1	100%	1	100%		
White	33	88%	8	63%	8	100%
ACR0600C	28	93%	35	80%	24	100%
Asian					1	100%
Black	2	100%	4	50%	1	100%
Hispanic	5	100%	9	89%	7	100%
Two or More Races	1	100%	1	100%	2	100%
Unknown	1	100%	2	100%		
White	18	89%	19	79%	13	100%
ACR0601C	28	100%	35	77%	25	96%
Asian					1	100%
Black	2	100%	4	75%	1	100%
Hispanic	5	100%	9	89%	7	100%
Two or More Races	1	100%	1	100%	2	100%
Unknown	1	100%	2	50%		
White	18	100%	19	74%	14	93%

Course Success Rates by Race/Ethnicity (2 of 4)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	#	Success	#	Success	#	Success
ACR0741C	61	70%	45	84%	38	92%
Asian			1	100%	1	100%
Black	7	43%	6	83%	1	100%
Hispanic	11	64%	9	89%	15	80%
Two or More Races	3	33%	3	100%	1	100%
Unknown	2	50%	1	100%		
White	37	81%	25	80%	20	100%
ACR0742C	28	96%	36	94%	26	92%
Asian					1	100%
Black	2	100%	4	100%	1	100%
Hispanic	5	100%	9	89%	8	88%
Two or More Races	1	100%	1	100%	2	100%
Unknown	1	100%	2	100%		
White	18	94%	20	95%	14	93%
ACR0815C	26	96%	34	82%	25	96%
Asian					1	100%
Black	2	100%	3	67%	1	100%
Hispanic	5	100%	9	89%	7	100%
Two or More Races	1	100%	1	100%	2	100%
Unknown	1	100%	2	100%		
White	16	94%	19	79%	14	93%
ACR0850C	58	83%	44	82%	38	84%
Asian			1	100%	1	0%
Black	7	57%	7	71%	1	100%
Hispanic	11	82%	9	78%	15	73%
Two or More Races	2	0%	3	67%	1	100%
Unknown	2	100%	1	100%		
White	35	91%	23	87%	20	95%
1033 - Welding Tech	389	91%	433	94%	341	91%
PMT0106C	67	88%	53	92%	55	96%
Black	4	75%	1	100%	5	100%
Hispanic	9	89%	8	88%	11	100%
Two or More Races	2	100%	2	100%	1	100%
Unknown	1	0%	2	100%	5	100%
White	51	90%	40	93%	33	94%
PMT0109C	64	88%	52	90%	54	87%
Black	5	40%	1	100%	5	80%
Hispanic	8	100%	8	88%	11	82%
Two or More Races	2	100%	2	100%	1	100%
Unknown			2	100%	5	100%
White	49	90%	39	90%	32	88%

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	#	Success	#	Success	#	Success
PMT0121C	62	90%	48	94%	52	92%
Black	5	60%	1	100%	5	100%
Hispanic	8	100%	7	100%	11	100%
Two or More Races	2	100%	2	100%	1	100%
Unknown			2	100%	5	100%
White	47	91%	36	92%	30	87%
PMT0131C	34	97%	57	96%	34	97%
Black	2	100%	1	100%	6	100%
Hispanic	6	100%	6	100%	8	100%
Two or More Races	2	100%	2	100%	1	100%
Unknown			2	100%	4	75%
White	24	96%	46	96%	15	100%
PMT0134C	35	94%	60	97%	32	84%
Black	2	100%	2	100%	5	60%
Hispanic	6	100%	7	100%	8	100%
Two or More Races	2	100%	2	100%	1	100%
Unknown			2	100%	3	67%
White	25	92%	47	96%	15	87%
PMT0154C	59	88%	44	93%	50	84%
Black	4	75%	1	100%	5	80%
Hispanic	8	88%	6	83%	11	82%
Two or More Races	2	100%	2	100%	1	100%
Unknown			2	100%	4	100%
White	45	89%	33	94%	29	83%
PMT0161C	35	100%	61	92%	31	97%
Black	2	100%	2	100%	5	100%
Hispanic	6	100%	8	75%	8	100%
Two or More Races	2	100%	2	100%	1	100%
Unknown			2	100%	3	67%
White	25	100%	47	94%	14	100%
PMT0171C	33	94%	58	93%	33	97%
Black	2	100%	2	50%	6	100%
Hispanic	6	100%	6	100%	8	100%
Two or More Races	2	100%	2	100%	1	100%
Unknown			2	100%	3	67%
White	23	91%	46	93%	15	100%
1211 – Auto Coll/Rep/Ref	104	86%	111	80%	99	85%
ARR0021			7	100%		
Black			1	100%		
Hispanic/Latino			5	100%		
White			1	100%		
ARR0121C	12	83%	11	100%	15	87%
Black	2	100%	1	100%	1	100%
Hispanic	7	86%	3	100%	7	71%
White	3	67%	7	100%	7	100%
ARR0122C	9	78%	16	81%		
Hispanic	5	100%	6	83%		
White	2	50%	10	80%		

Course Success Rates by Race/Ethnicity (3 of 4)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	#	Success	#	Success	#	Success
1211 – Auto Coll/Rep/Ref	104	86%	111	80%	99	85%
ARR0123C	14	93%	7	100%	18	83%
Black	3	100%	1	100%	2	100%
Hispanic	5	100%	5	100%	5	80%
White	5	80%	1	100%	11	82%
ARR0241C	12	83%	11	100%	15	87%
Black	2	100%	1	100%	1	100%
Hispanic	7	86%	3	100%	7	71%
White	3	67%	7	100%	7	100%
ARR0242C	9	78%	16	0%		
Hispanic	5	100%	6	0%		
White	2	50%	10	0%		
ARR0243C	14	93%	7	100%	18	83%
Black	3	100%	1	100%	2	100%
Hispanic	5	100%	5	100%	5	80%
White	5	80%	1	100%	11	82%
ARR0244C	10	90%	5	100%	18	83%
Black					2	100%
Hispanic	3	100%	4	100%	5	80%
White	4	75%	1	100%	11	82%
ARR0381C	12	83%	11	100%	15	87%
Black	2	100%	1	100%	1	100%
Hispanic	7	86%	3	100%	7	71%
White	3	67%	7	100%	7	100%
ARR0382C	9	78%	16	81%		
Hispanic	5	100%	6	83%		
White	2	50%	10	80%		
ARR0949	3	100%	4	100%		
Hispanic/Latino	2	100%	1	100%		
White	1	100%	3	100%		
1201 - Automotive Serv Tech	164	76%	182	76%	162	83%
AER0014C	22	73%	26	96%	18	89%
Asian					1	100%
Black	2	50%	4	100%		
Hispanic	3	100%	9	100%	6	100%
Two or More Races	2	100%	1	100%		
Unknown					1	100%
White	14	71%	12	92%	10	80%

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	#	Success	#	Success	#	Success
1201 - Auto Service Tech	164	76%	182	76%	162	83%
AER0110C	17	65%	14	79%	19	84%
Black	1	100%	1	0%	2	100%
Hispanic	2	50%	4	100%	7	57%
Two or More Races	2	100%	1	100%		
White	11	55%	8	75%	10	100%
AER0172C	17	82%	16	88%	18	89%
Black	1	100%	1	100%	2	100%
Hispanic	2	50%	5	60%	7	71%
Two or More Races	2	100%	1	100%		
White	11	82%	9	100%	9	100%
AER0257C	20	85%	19	53%	17	76%
Asian	3	100%	1	0%		
Black	2	50%	2	0%	2	100%
Hispanic			8	63%	8	63%
Unknown			1	100%		
White	13	85%	7	57%	7	86%
AER0274C	18	83%	25	88%	17	94%
Asian					1	100%
Black	2	50%	3	67%		
Hispanic	4	75%	8	100%	5	100%
Two or More Races	2	100%	1	100%		
Unknown					1	100%
White	9	100%	13	85%	10	90%
AER0360C	18	67%	20	65%	20	70%
Asian			1	100%		
Black	2	50%	3	33%	2	100%
Hispanic	3	33%	8	63%	9	67%
Unknown			1	100%		
White	11	73%	7	71%	9	67%
AER0418C	18	72%	24	75%	17	88%
Asian					1	100%
Black	2	50%	4	100%		
Hispanic	3	100%	8	63%	6	83%
Two or More Races	2	100%	1	100%		
Unknown					1	100%
White	10	70%	11	73%	9	89%
AER0453C	17	76%	15	80%	19	79%
Black	1	0%	2	100%	2	100%
Hispanic	2	0%	4	100%	7	57%
Two or More Races	2	100%	1	100%		
White	11	91%	8	63%	10	90%

Course Success Rates by Race/Ethnicity (4 of 4)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	#	Success	#	Success	#	Success
1201 - Auto Service Tech	164	76%	182	76%		
AER0503C	17	76%	23	61%		
Black	3	67%	3	67%		
Hispanic	4	75%	8	38%		
Two or More Races	1	100%	1	100%		
White	8	88%	11	73%		
1202 - Machining	195	94%	117	94%	63	94%
PMT0202C			29	93%	17	82%
Black			4	75%		
Hispanic			3	100%	1	100%
Two or More Races			1	100%	1	0%
White			21	95%	15	87%
PMT0251C	24	92%	29	100%	13	100%
Black	3	100%	3	100%		
Hispanic	3	67%	3	100%	1	100%
Two or More Races			1	100%		
Unknown			1	100%		
White	18	94%	21	100%	12	100%
PMT0260C	27	100%	24	83%	16	94%
Black	4	100%	2	100%		
Hispanic	2	100%	2	100%	2	100%
White	19	100%	20	80%	14	93%
PMT0290	12	100%	6	100%		
Black			1	100%		
Hispanic	2	100%	1	100%		
Two or More Races	1	100%	1	100%		
White	9	100%	3	100%		
PMT0720C	24	92%	29	97%	17	100%
Black	4	75%	2	100%	1	100%
Hispanic	2	100%	2	100%	2	100%
White	16	94%	25	96%	14	100%

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	#	Success	#	Success	#	Success
1209 – Build. Trd & Const Tech	61	93%	96	94%	96	85%
BCV0080L	20	85%	18	78%	13	100%
Black	3	100%	4	75%	2	100%
Hispanic					5	100%
Two or More Races			2	100%	1	100%
White	11	73%	12	75%	5	100%
BCV0081L	13	100%	17	100%	24	83%
American Indian					1	0%
Black	3	100%	2	100%	5	60%
Hispanic	3	100%	2	100%	8	88%
Two or More Races			2	100%	1	100%
White	6	100%	11	100%	9	100%
BCV0082L	15	93%	16	100%	23	78%
American Indian					1	0%
Black	4	75%	2	100%	4	50%
Hispanic	3	100%	2	100%	8	88%
Two or More Races			1	100%	1	100%
White	7	100%	11	100%	9	89%
BCV0084L	13	100%	17	94%	22	91%
American Indian					1	100%
Black	3	100%	2	100%	3	100%
Hispanic	3	100%	2	100%	8	75%
Two or More Races			2	50%	1	100%
White	6	100%	11	100%	9	100%
BCV0942C			28	96%	14	79%
Black			5	100%	1	100%
Hispanic			5	100%	4	50%
Two or More Races			2	50%	1	100%
Unknown			1	100%		
White			15	100%	8	88%
1212-Advanced Welding			15	67%	9	100%
PMT0076C			5	0%	3	100%
Hispanic					1	100%
White			5	0%	2	100%
PMT0077C			5	100%	3	100%
Hispanic					1	100%
White			5	100%	2	100%
PMT0078C			5	100%	3	100%
Hispanic					1	100%
White			5	100%	2	100%
Grand Total	1611	89%	1662	87%	1273	88%

Program Success Rates by Race/Ethnicity (1 of 2)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enrolled	Success Rate	Enrolled	Success Rate	Enrolled	Success Rate
101101-Heating, Vent, AC/Refrg Technology			248	84%	150	95%
Asian					7	100%
Black			26	77%	7	100%
Hispanic/Latino			58	86%	44	93%
Two or More Races			5	100%	13	100%
Unknown			13	92%		
White			146	84%	79	94%
1213/1054/101101 - Heating, Vent, AC/Refrg			460	85%	353	83%
Asian			12	83%	19	79%
Black			60	82%	23	52%
Hispanic/Latino			105	84%	101	87%
Two or More Races			28	86%	4	75%
Unknown			7	86%	4	100%
White			248	87%	202	85%
1033 - Welding Tech	389	91%	433	94%	341	91%
Black	26	73%	11	91%	42	90%
Hispanic/Latino	57	96%	56	91%	76	95%
Two or More Races	16	100%	16	100%	8	100%
Unknown	1	0%	16	100%	32	88%
White	289	92%	334	93%	183	91%
1212-Advanced Welding			15	67%	9	100%
Hispanic/Latino					3	100%
White			15	67%	6	100%
1211 (1097) - Automotive Collision Repair & Ref	104	86%	111	80%	99	85%
Black	20	85%	7	100%	9	100%
Hispanic/Latino	51	94%	49	84%	36	75%
White	30	70%	55	75%	54	89%

Source: IR Program Assessment Data

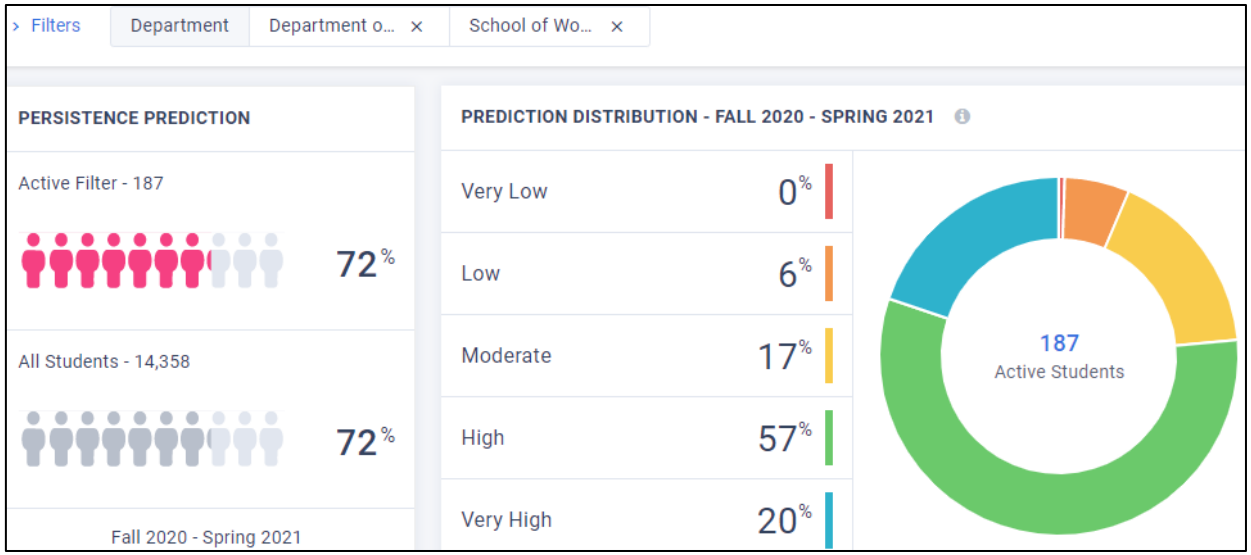
Program Success Rates by Race/Ethnicity (2 of 2)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enrolled	Success Rate	Enrolled	Success Rate	Enrolled	Success Rate
1201 - Automotive Service Tech	164	76%	182	76%	162	83%
Asian	3	100%	2	50%	4	100%
Black	17	65%	23	70%	10	100%
Hispanic/Latino	25	64%	62	74%	60	73%
Two or More Races	17	100%	7	100%		
Unknown	4	0%	2	100%	4	75%
White	98	79%	86	78%	84	88%
1214 (1202) – CNC Machining	195	94%	117	94%	63	94%
Black	28	89%	12	92%	1	100%
Hispanic/Latino	21	81%	11	100%	6	100%
Two or More Races	9	100%	3	100%	1	0%
Unknown	1	100%	1	100%		
White	136	96%	90	93%	55	95%
1209 - Building Trades & Construction Tech	61	93%	96	94%	96	85%
American Indian/Alas					3	33%
Black	13	92%	15	93%	15	73%
Hispanic/Latino	14	100%	11	100%	33	82%
Two or More Races			9	78%	5	100%
Unknown	4	100%	1	100%		
White	30	90%	60	95%	40	95%
Grand Total	1611	89%	1662	87%	1273	88%

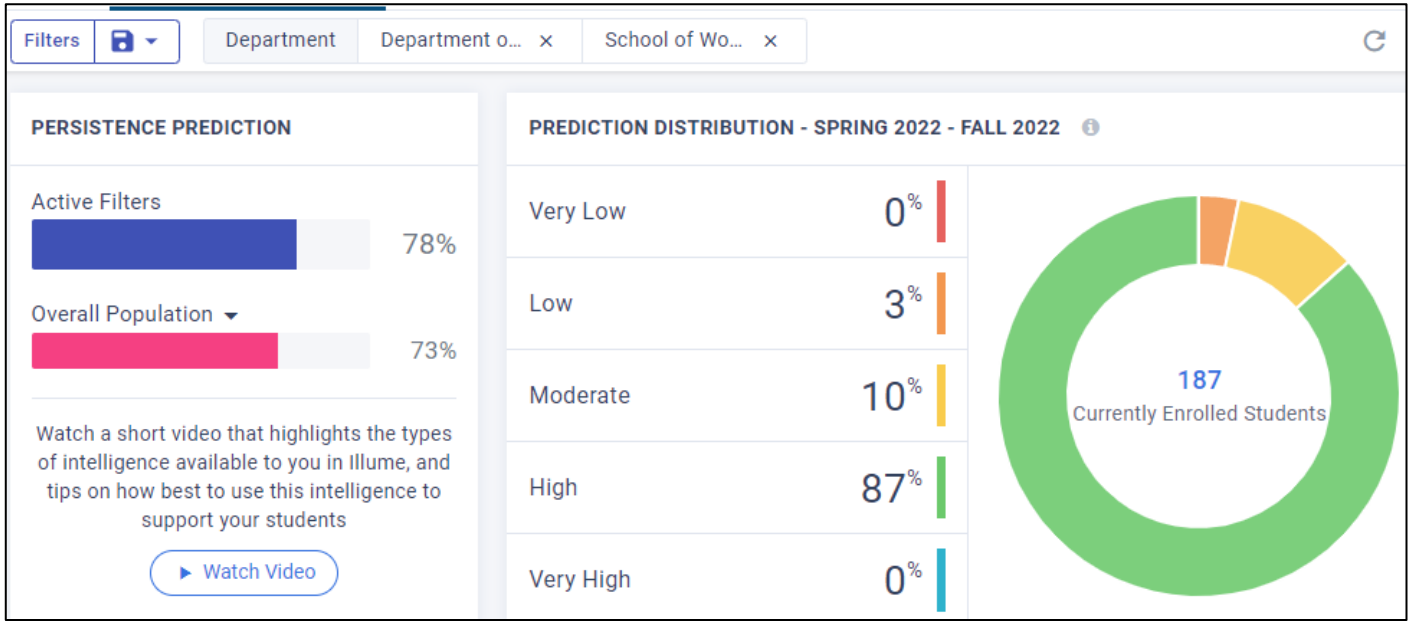
Source: IR Program Assessment Data

Civitas – illume Students

Screen captured on 9/23/2020



Screen captured on 2/2/2022



ASSESSMENT DAY

Mary Karl College of Workforce and Continuing Education

School of Workforce Careers

October 22, 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

1054 - Air Conditioning, Refrigeration and Heating Mechanic

1011 - Air Conditioning, Refrigeration, and Heating Technology

101101 – Heating, Ventilation, Air Conditioning/Refrigeration Technology

1211 - Automotive Collision Repair and Refinishing

1201 - Automotive Service Technology

1209 - Building Trades and Construction Design Technology

1033 - Welding Technology – Applied

1214 – CNC Machining

1212 – Advanced Welding

Last Assessment Day Action Items

Workforce Careers Last Assessment Meeting: 4/08/2020

For Automotive:

- Look into bookstore issues with textbooks;
- Track the students as they enter the workforce;

For Institutional Research: send Frank a list of enrolled students for Headcount;

For Welding and Machining:

- Seek Math tutoring from ASC (Math workshop) for Machining;
- Perkins and other funding to upgrade equipment and technology, leveraging all funding opportunities;
- Mandatory orientation, or zero credit course to express the expectations of the program;

For Institutional Research: send a list of students nearing graduation;

For HVAC and Construction:

- Seek Math tutoring from ASC (Math workshop);
- Identify reasons for student's not attending;
- Implement an Orientation;
- Look into bookstore issues with textbooks;

For Institutional Research:

- Send a list of students nearing graduation
- Check number of graduates for construction and HVAC

1213/1054 – Heating, Ventilation, Air Conditioning/Refrigeration Mechanic, Vocational Certificate Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate the ability to safely follow rules and regulations to industry standards.

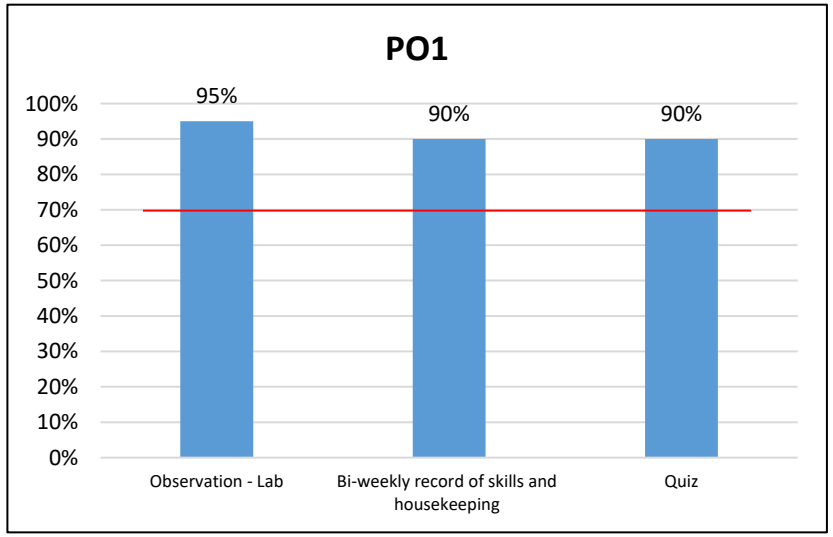
PO2: Use appropriate tools, equipment, material and electrical products used in the industry.

PO3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, and troubleshooting.

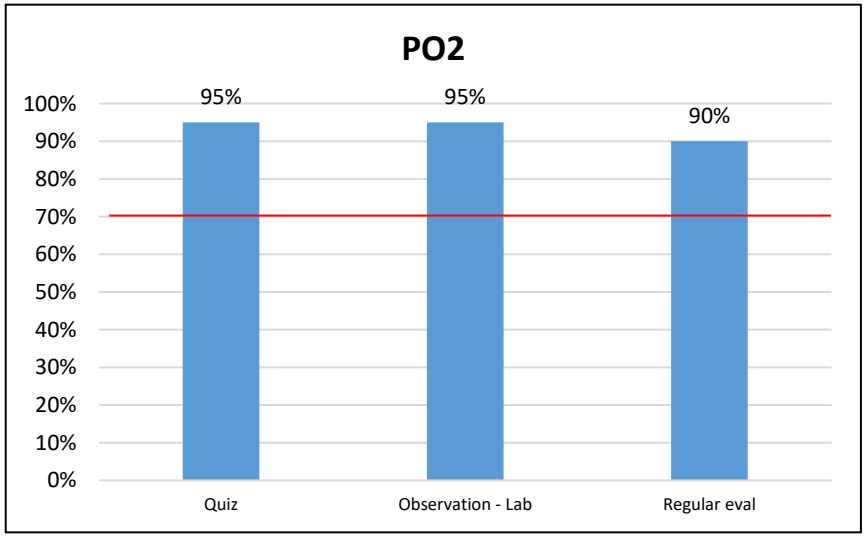
PO4: Demonstrate the skills needed in the residential markets.

PO5: Demonstrate the process required to install and maintain a residential HVAC/R project.

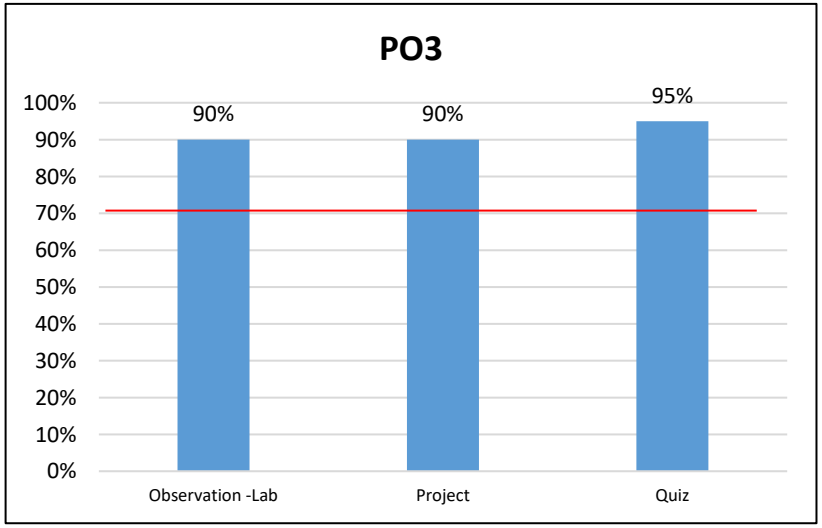
Assessment Data 2019-2020
1213/1054 – Heating, Ventilation, Air Conditioning/Refrigeration Mechanic



PO1: Demonstrate the ability to safely follow rules and regulations to industry standards. *Target: 70% of students will achieve a competency level of 80% or higher.*



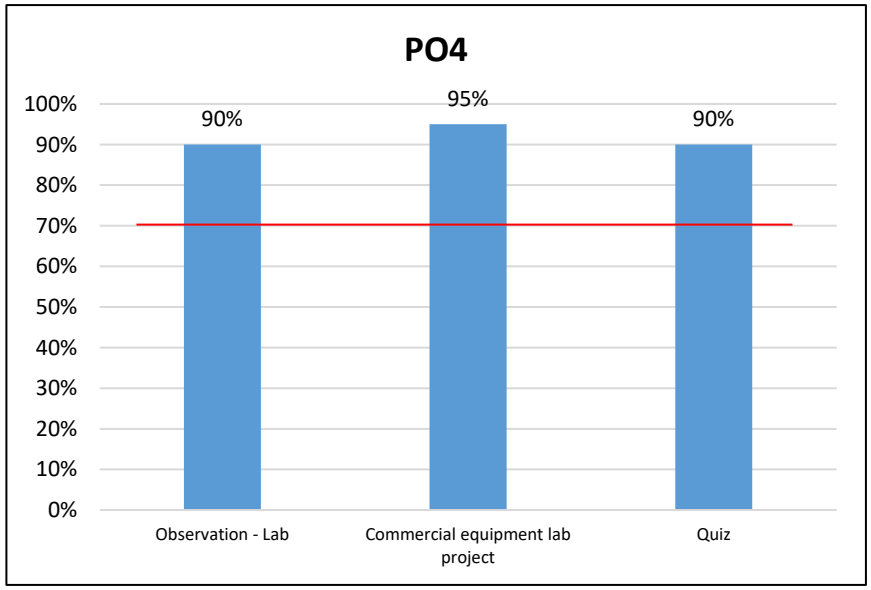
PO2: Use appropriate tools, equipment, material and electrical products used in the industry. *Target: 70% of students will achieve a competency level of 80% or higher.*



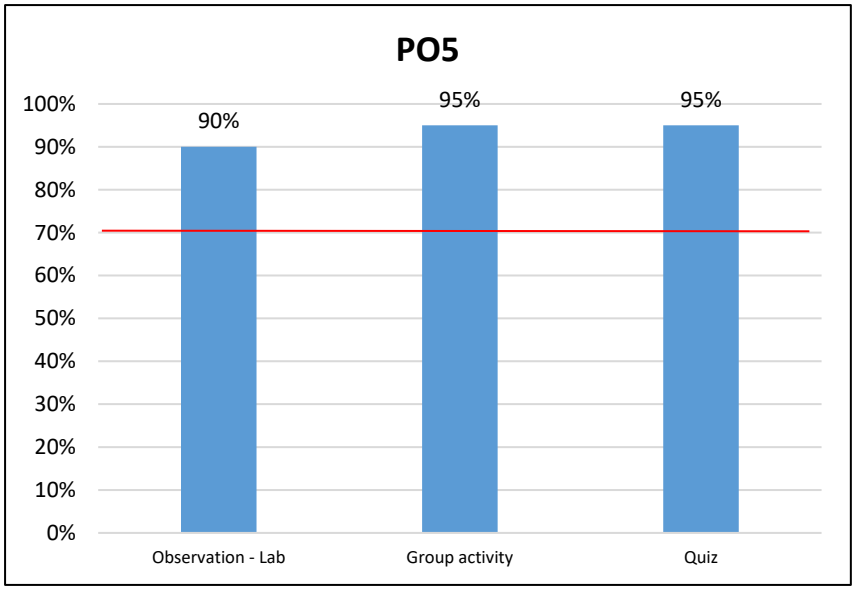
PO3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 70% of students will achieve a competency level of 80% or higher.*

Source: School of Education Assessment Reports

Assessment Data 2019-2020
1213/1054 – Heating, Ventilation, Air Conditioning/Refrigeration Mechanic



PO4: Demonstrate the skills needed in the residential markets. *Target: 70% of students will achieve a competency level of 80% or higher.*



PO5: Demonstrate the process required to install and maintain a residential HVAC/R project. *Target: 70% of students will achieve a competency level of 80% or higher.*

Source: School of Education Assessment Reports

101101/1011 - Heating, Ventilation, Air Conditioning/Refrigeration Technology, Vocational Certificate Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate the ability to direct safety rules and regulations to industry standards.

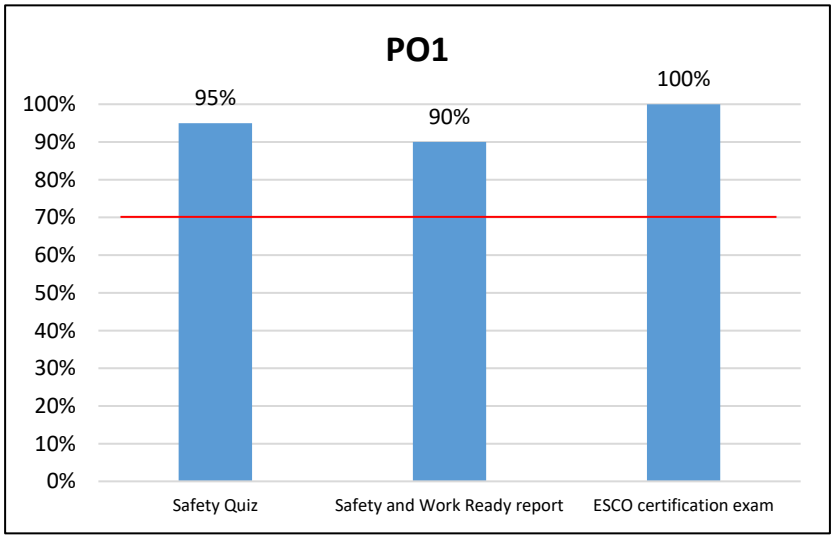
PO2: Use advanced tools, equipment, material and electrical products found in the industry.

PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.

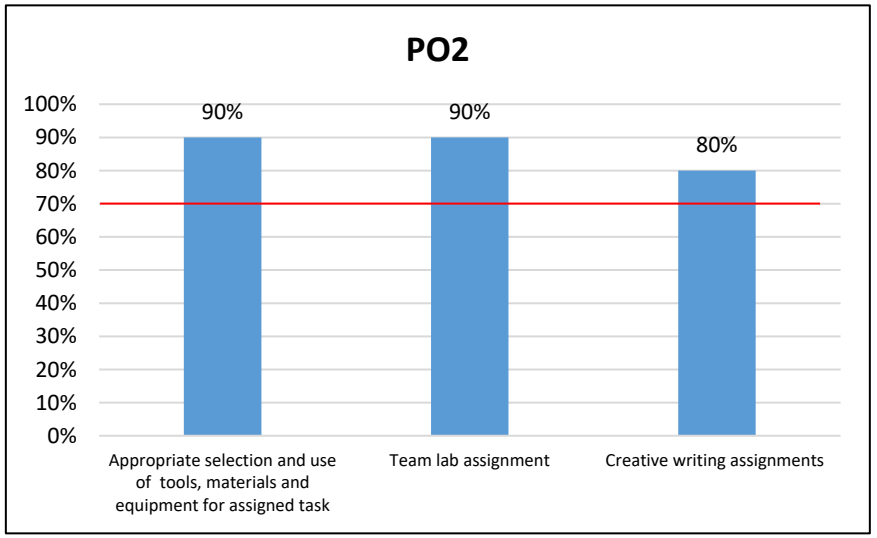
PO4: Demonstrate the skills required in the residential and commercial and markets.

PO5: Demonstrate the process required to install, maintain and service a residential or commercial HVAC/R project.

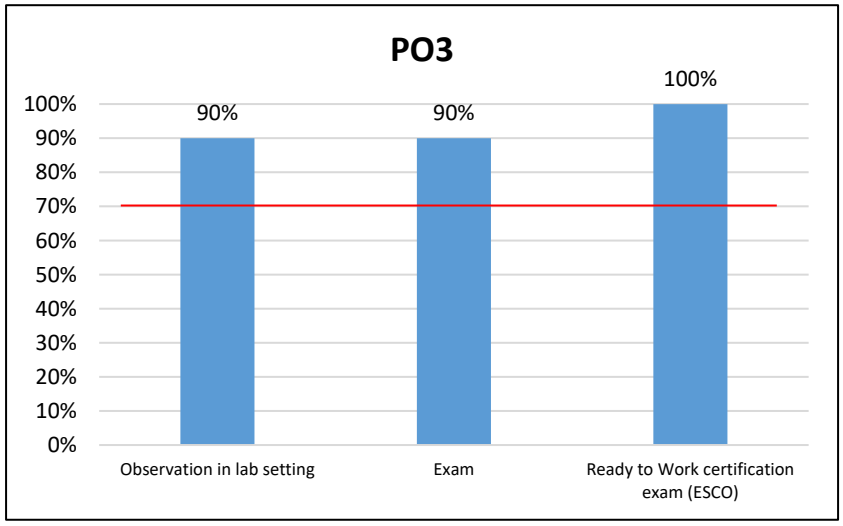
Assessment Data 2019-2020
101101/1011 - Heating, Ventilation, Air Conditioning/Refrigeration Technology



PO1: Demonstrate the ability to direct safety rules and regulations to industry standards. *Target: 70% percent of students will achieve 80% higher on the assessments*



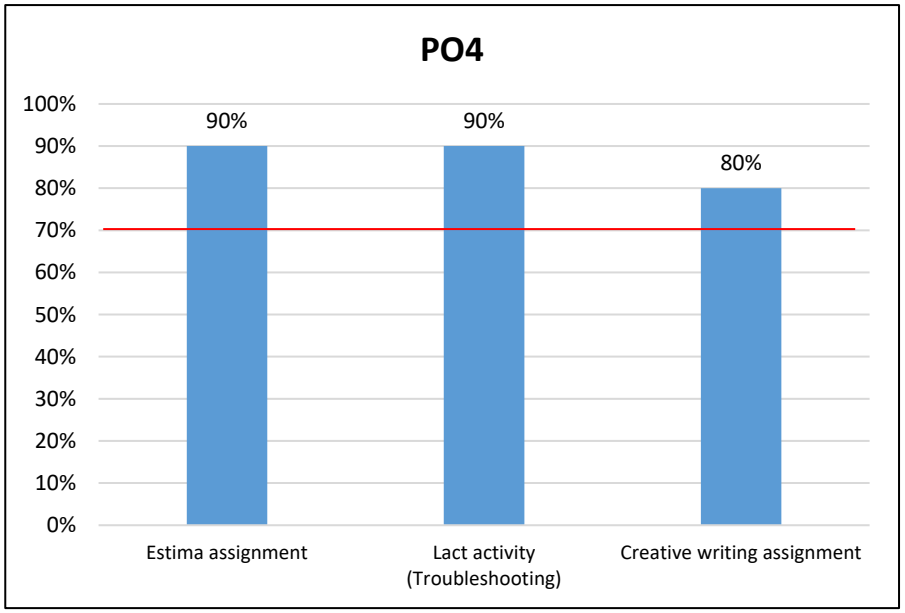
PO2: Use advanced tools, equipment, material and electrical products found in the industry. *Target: 70% percent of students will achieve 80% higher on the assessments*



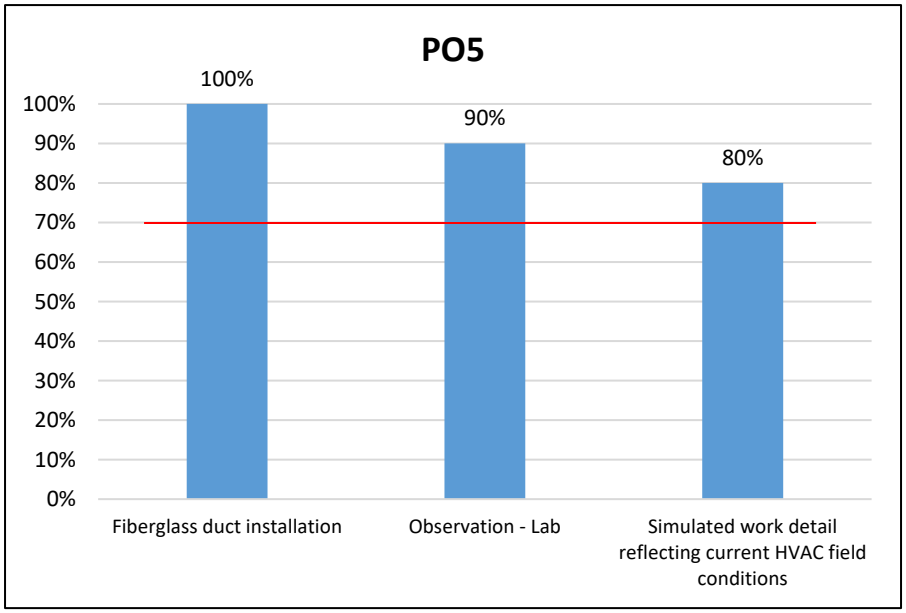
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 70% of students will achieve 80% or higher in all assessment measures.*

Source: School of Education Assessment Reports

Assessment Data 2019-2020
101101/1011 - Heating, Ventilation, Air Conditioning/Refrigeration Technology



PO4: Demonstrate the skills required in the residential and commercial and markets. *Target: 70% of students will achieve 80% or higher in all assessment measures.*



PO5: Demonstrate the process required to install, maintain and service a residential or commercial HVAC/R project. *Target: 70% of the students achieving 80% or higher in all assessment measures*

Source: School of Education Assessment Reports

1211 - Automotive Collision Repair and Refinishing Program Learning Outcomes

Graduates of the program will be able to:

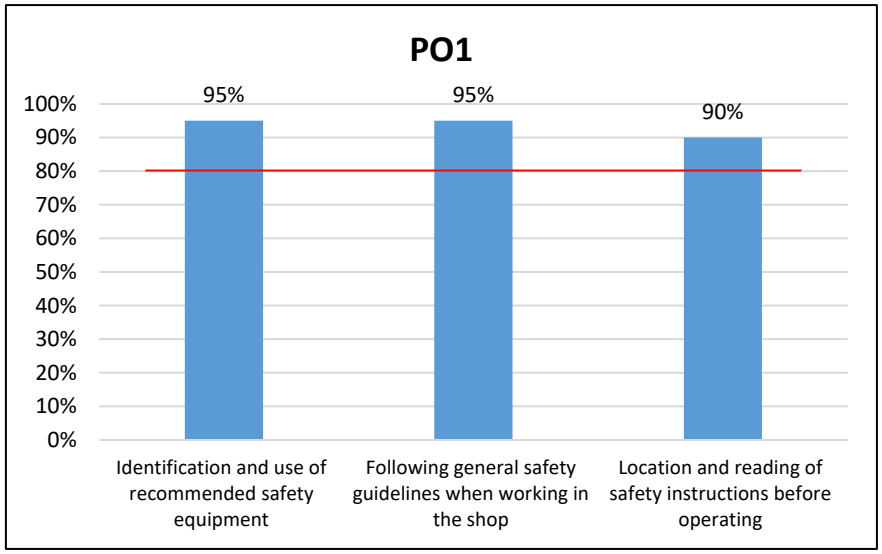
PO1: Demonstrate the ability to follow safety rules and regulations to NATEF standards.

PO2: Use appropriate tools, equipment, material and computerized products found in the industry.

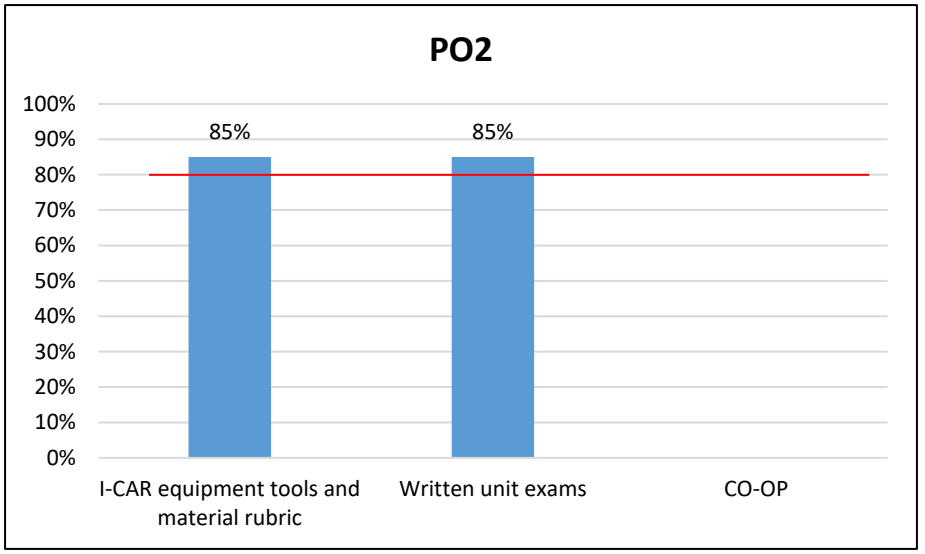
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.

PO4: Demonstrate the skills needed in collision repair and refinishing.

Assessment Data 2019-2020
1211 - Automotive Collision Repair and Refinishing



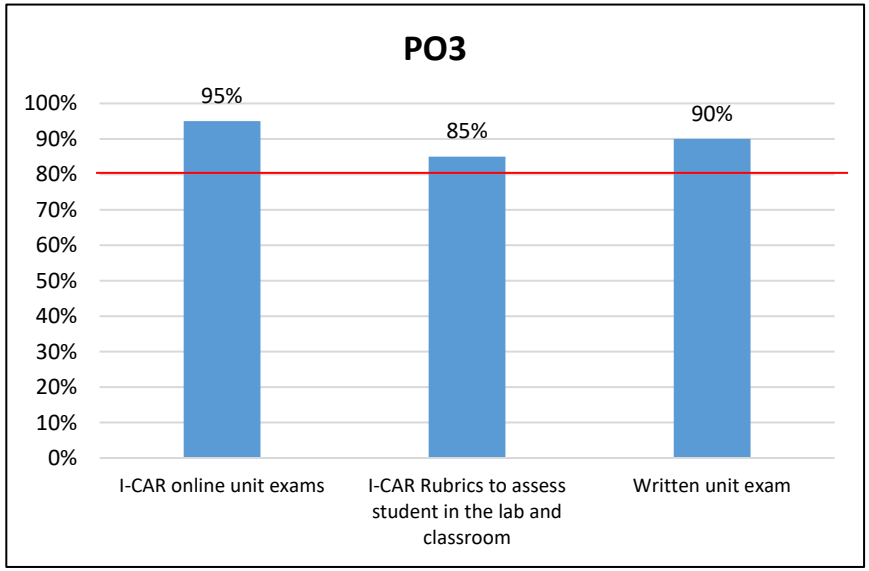
PO1: Demonstrate the ability to follow safety rules and regulations to NATEF standards. *Target: 80 % of the students achieved an 80% or better on the I-CAR safety rules and regulations rubric*



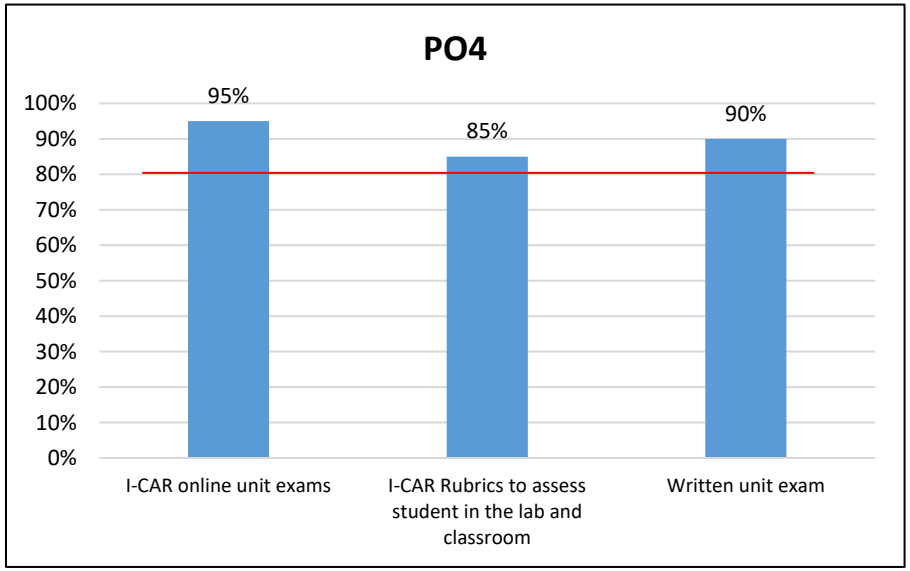
PO2: Use appropriate tools, equipment, material and computerized products found in the industry. *Target: 80% of the students achieved an 80% or better on I-CAR equipment tools and material rubric.*

Source: School of Education Assessment Reports

Assessment Data 2018-2019
1211 - Automotive Collision Repair and Refinishing



PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 80% of the students achieved an 80% or better on several I-CAR theory, application, troubleshooting and safety rubrics.*



PO4: Demonstrate the skills needed in collision repair and refinishing. *Target: 80% of the students achieved an 80% or better on commercial and industrial I-CAR rubrics.*

Source: School of Education Assessment Reports

1201 - Automotive Service Technology
Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate appropriate employability skills.

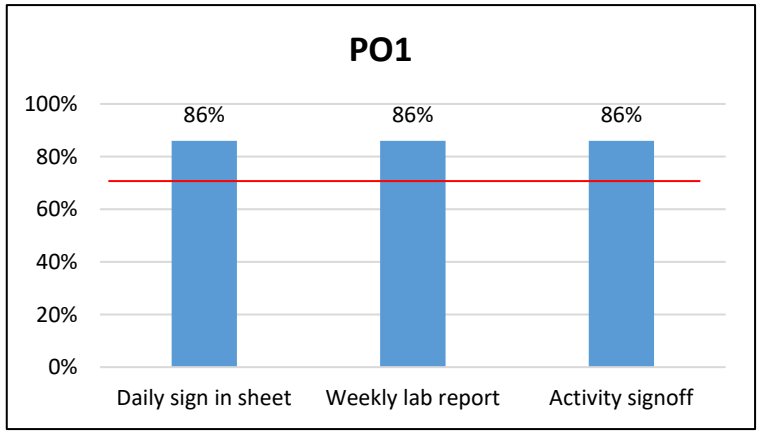
PO2: Safely perform industry light line service procedures as described by NATEF.

PO3: Diagnose automotive systems.

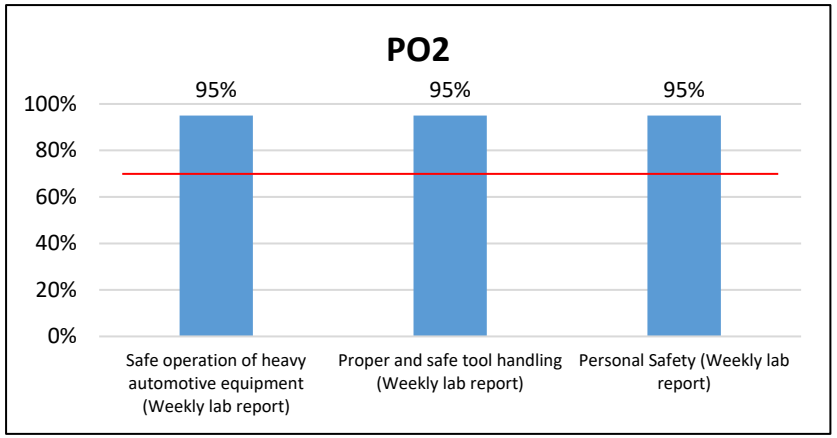
PO4: Service automotive systems.

PO5: Repair automotive systems.

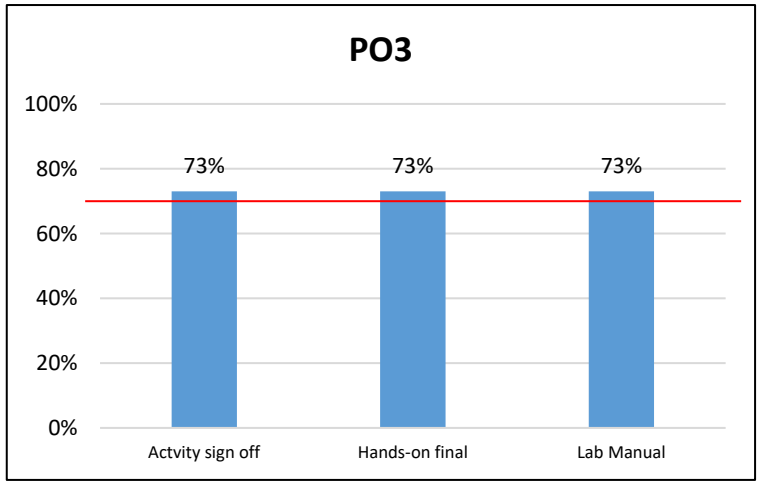
Assessment Data 2019-2020
1201 - Automotive Service Technology



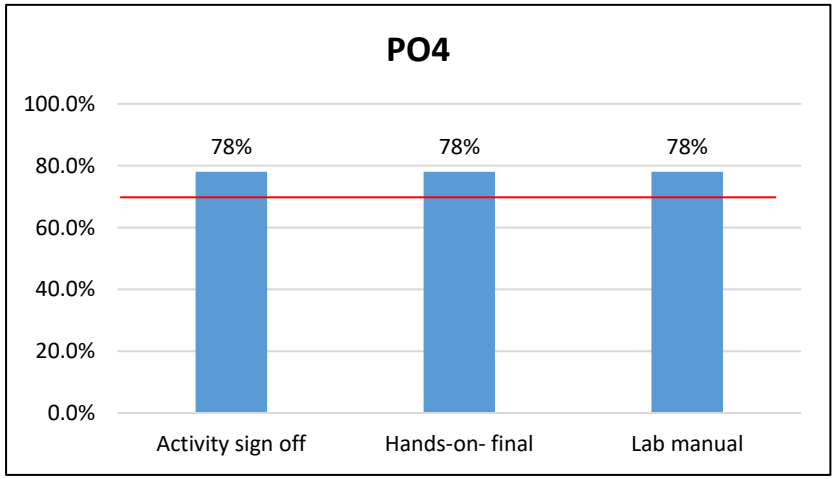
PO1: Demonstrate appropriate employability skills. *Target: 70% of the students must successfully complete all of the assessment measures.*



PO2: Safely perform industry light line service procedures as described by NATEF. Target: *70% of the students must successfully complete all of the assessment measures*.

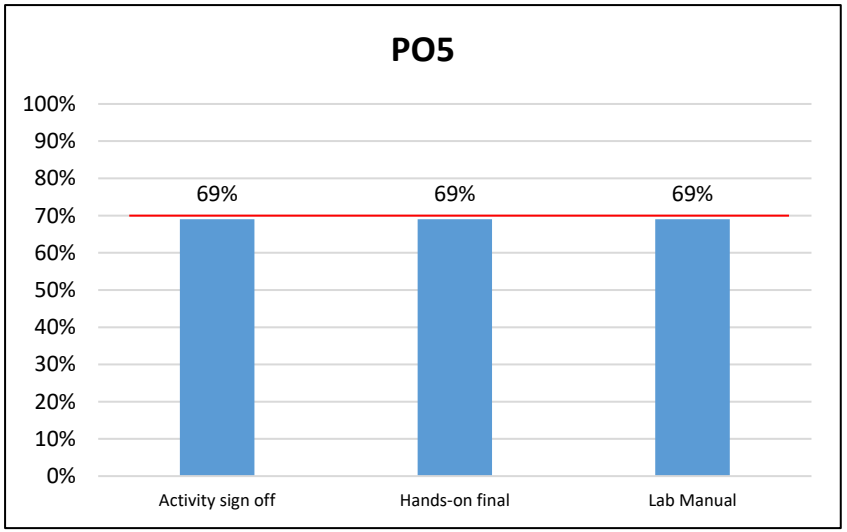


PO3: Diagnose automotive systems. *Target: 70% of the students must successfully complete all of the assessment measures.*



PO4: Service automotive systems. *Target: 70% of the students must successfully complete all of the assessment measures.*

Assessment Data 2019-2020
1201 - Automotive Service Technology



PO5: Repair automotive systems. *Target: 70% of the students must successfully complete all of the assessment measures.*

Source: School of Education Assessment Reports

1214/1202 – CNC Machining
Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate the ability to follow safety rules and regulations to machining standards.

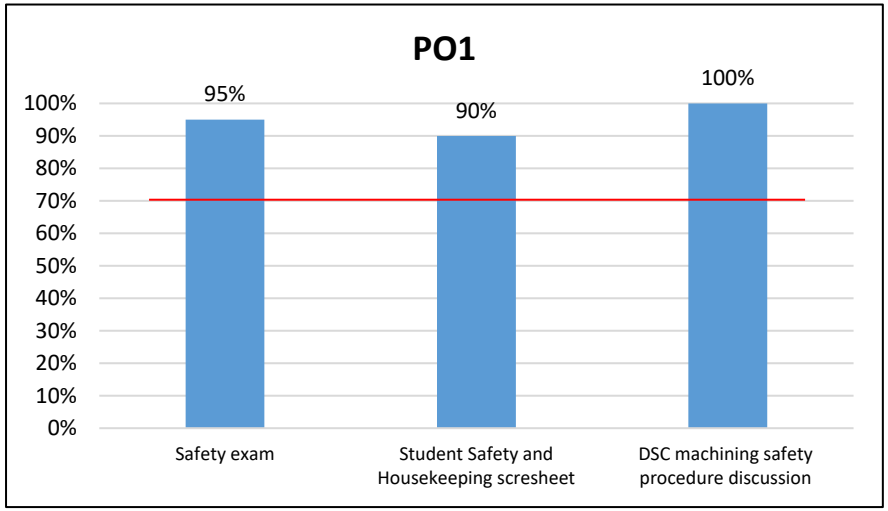
PO2: Utilize appropriate machine tooling, equipment, materials and electrical products found in the industry.

PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.

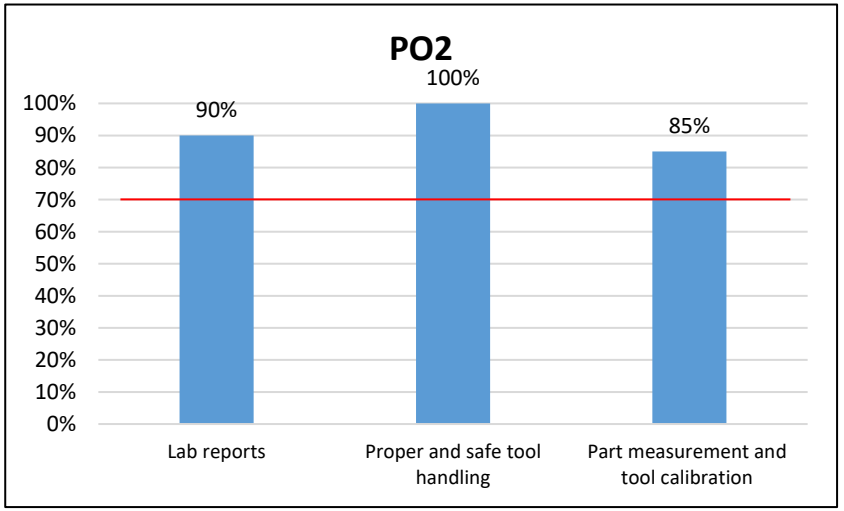
PO4: Demonstrate the steps needed to successfully complete projects.

PO5: Demonstrate the skills needed in the commercial and industrial markets.

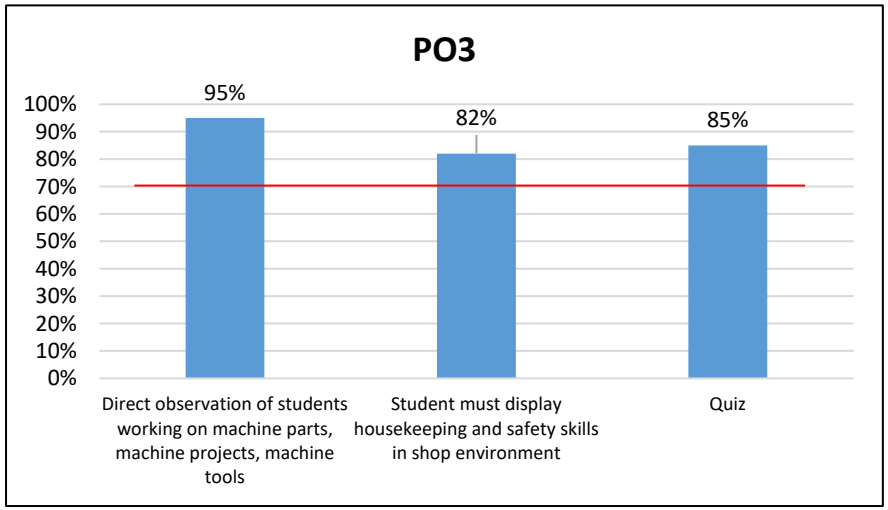
Assessment Data 2019-2020
1214/1202 – CNC Machining



PO1: Demonstrate the ability to follow safety rules and regulations to machining standards. *Target: 70% of students must score 80% or higher on all assessment measures*



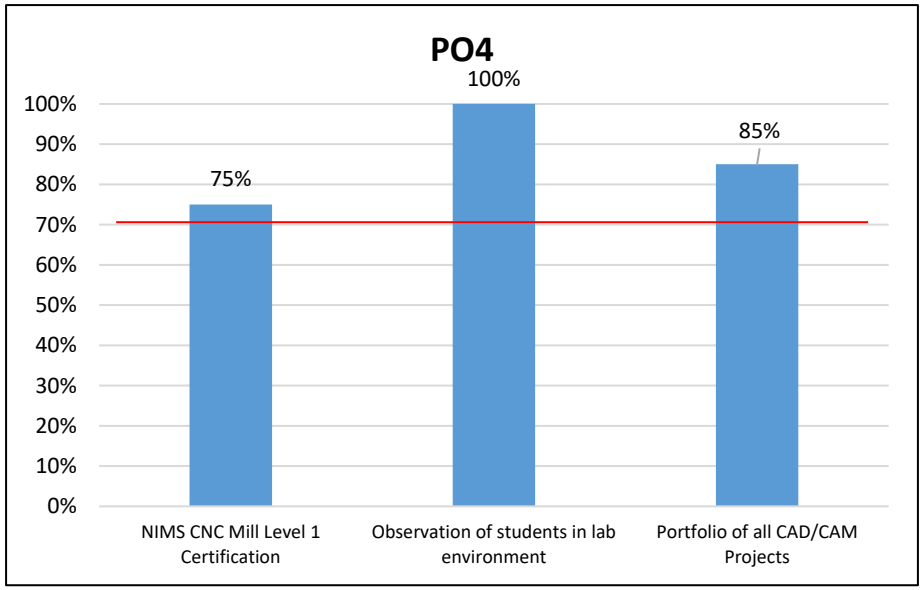
PO2: Utilize appropriate machine tooling, equipment, materials and electrical products found in the industry. *Target: 70% of the students achieving 80% or higher in all assessment measures*



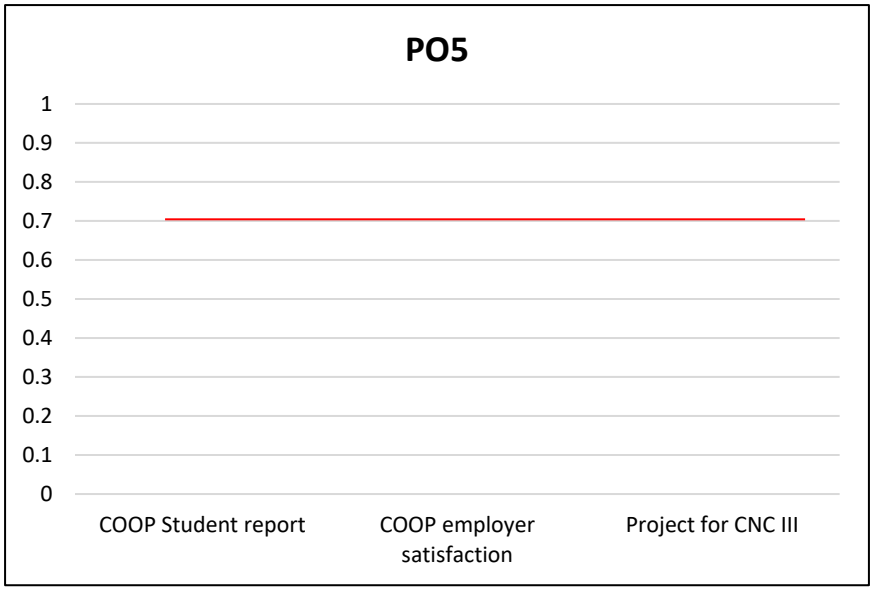
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. Target: *70% of the students achieving 80% or higher in all assessment measures*

Source: School of Education Assessment Reports

Assessment Data 2019-2020
1214/1202 – CNC Machining



PO4: Demonstrate the steps needed to successfully complete projects. *Target: 70% of students achieving 80% or higher in all assessment measures*



PO5: Demonstrate the skills needed in the commercial and industrial markets. *Target: 70% of students achieving 80% or higher in all assessment measures*

Source: School of Education Assessment Reports

1033 - Welding Technology - Applied
Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate the ability to safely follow rules and regulations to welding certification standards.

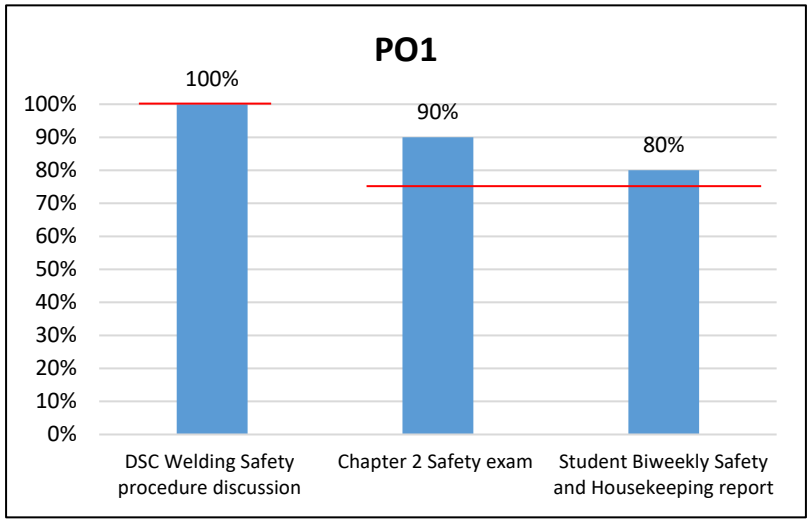
PO2: Use appropriate tools, equipment, material, and electrical products found in industry.

PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.

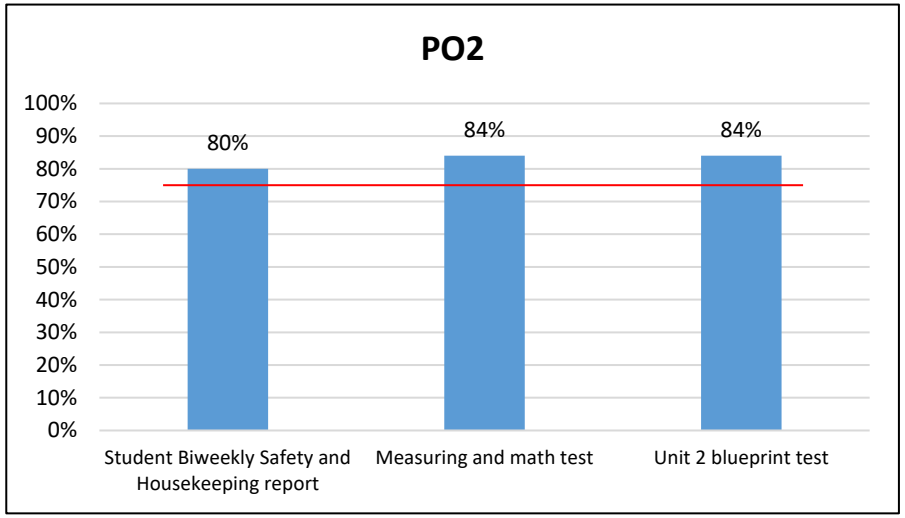
PO4: Demonstrate the skills needed in the commercial and industrial markets.

PO5: Demonstrate the steps needed to initiate and complete a blueprint project.

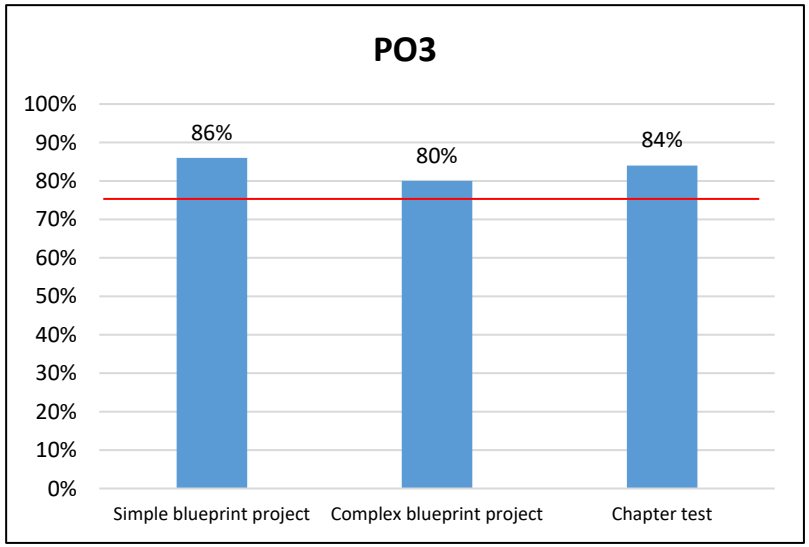
Assessment Data 2019-2020
1033 - Welding Technology - Applied



PO1: Demonstrate the ability to safely follow rules and regulations to welding certification standards. *Target: 100% students discussing and signing the DSC Welding Safety procedure. 75% of students achieving 80% or higher in the Safety exams and Student Biweekly Safety and Housekeeping report*



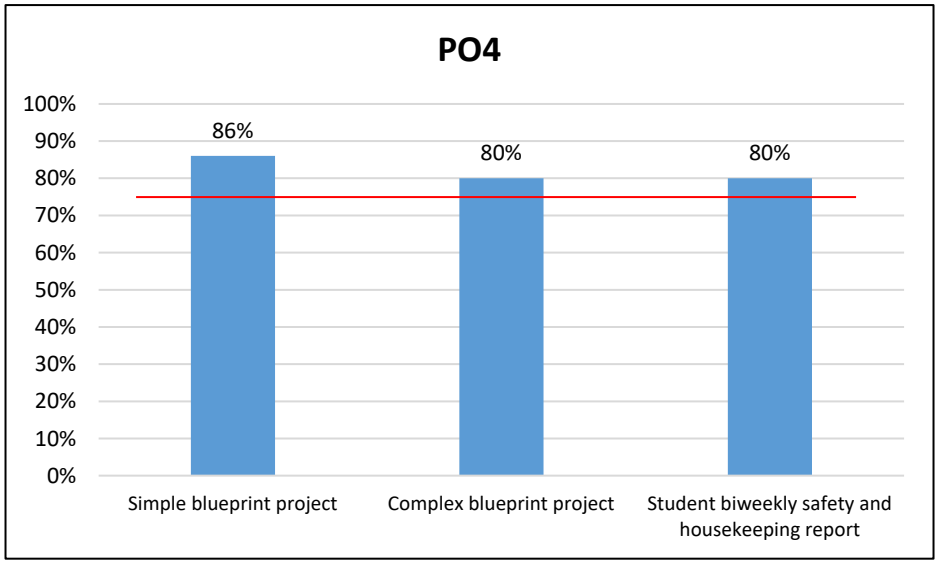
PO2: Use appropriate tools, equipment, material, and electrical products found in industry. *Target: 75% of students achieving 80% or higher in all assessment measures.*



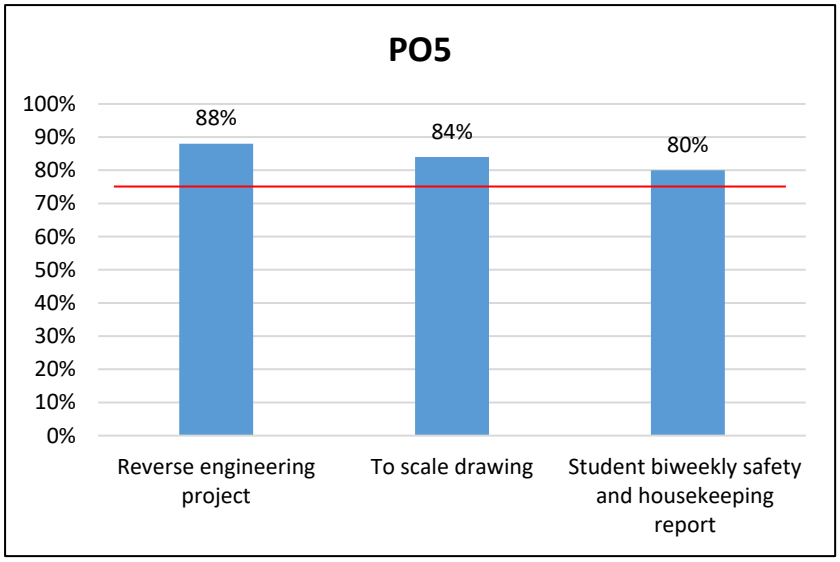
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 75% of students achieving 80% or higher in all assessment measures.*

Source: School of Education Assessment Reports

Assessment Data 2019-2020
1033 - Welding Technology - Applied



PO4: Demonstrate the skills needed in the commercial and industrial markets. *Target: 75% of students achieving 80% or higher in all assessment measures*



PO5: Demonstrate the steps needed to initiate and complete a blueprint project. *Target: 75% of students achieving 80% or higher in all assessment measures*

Source: School of Education Assessment Reports

1209 – Building Trades and Construction Design Tech. Program Learning Outcomes

Graduates of the program will be able to:

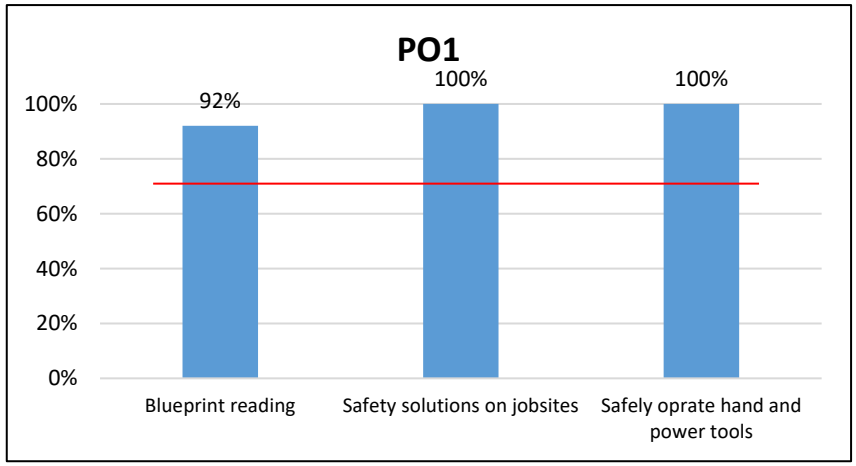
PO1: Demonstrate an understanding of the construction industry and related occupations including but not limited to OSHA safety practices, selection and use of basic hand and power tools, and understanding of construction related documents.

PO2: Apply rough and finish carpentry, masonry, electrical, plumbing and air conditioning skills.

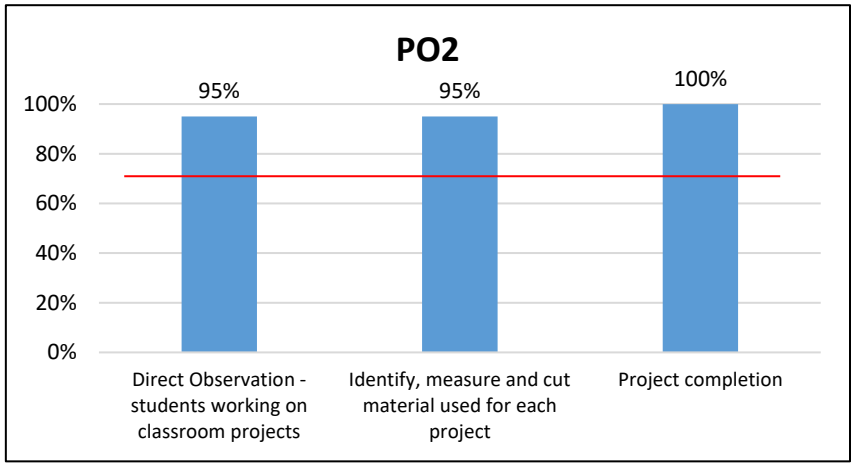
PO3: Develop employability and entrepreneurship skills.

PO4: Demonstrate the ability to plan and implement projects within the construction field.

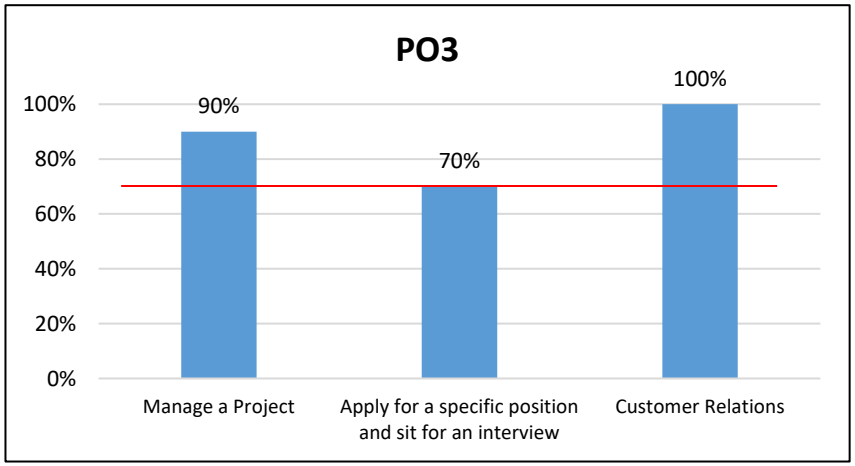
Assessment Data 2019-2020
1209 – Building Trades and Construction Design Tech.



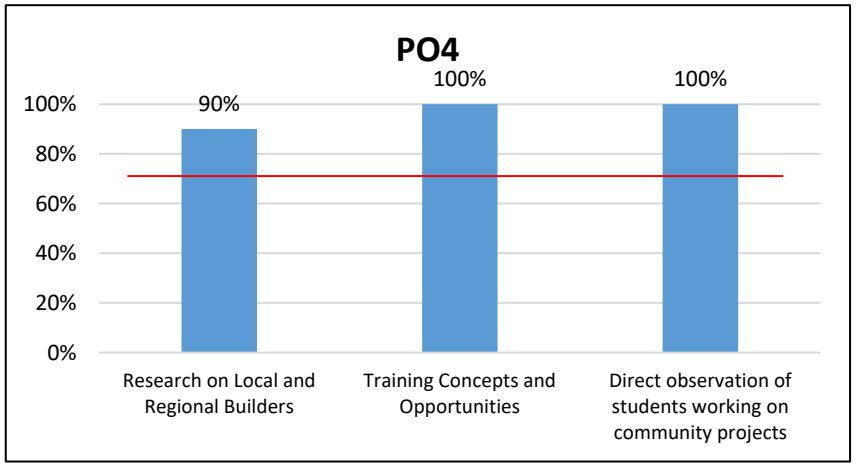
PO1: Demonstrate an understanding of the construction industry and related occupations including but not limited to OSHSA safety practices, selection and use of basic hand and power tools, and understanding of construction related documents. *Target: 70% of students will achieve 80% or higher in all assessment measures.*



PO2: Apply rough and finish carpentry, masonry, electrical, plumbing and air conditioning skills. *Target:70% of students will achieve 80% or higher in all assessment measures.*



PO3: Develop employability and entrepreneurship skills. *Target: 70% of students will achieve 80% or higher in all assessment measures.*

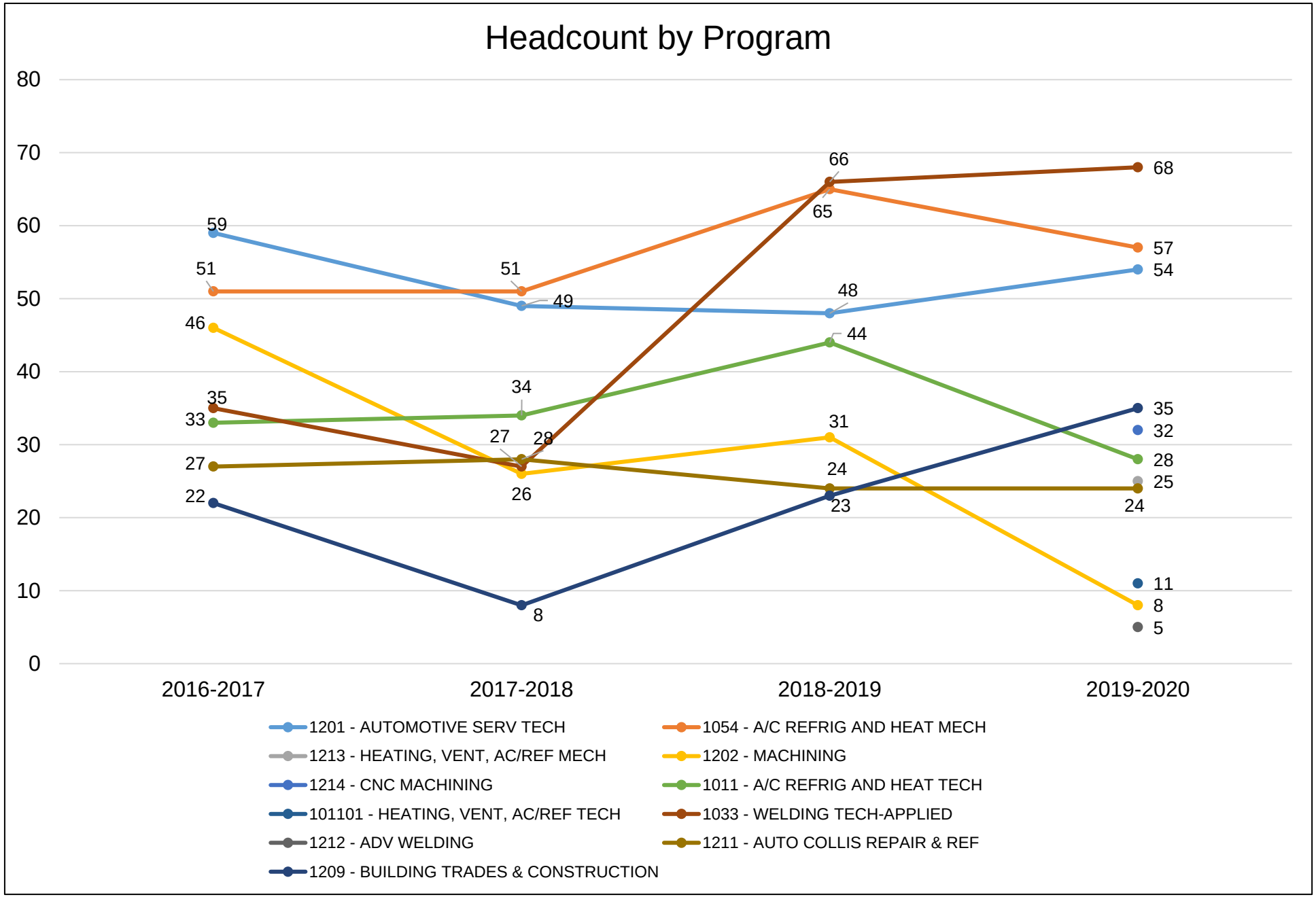


PO4: Demonstrate the ability to plan and implement projects within the construction field. *Target:% of students will achieve 80% or higher in all assessment measures*

Assessment Data
Program vs. Institutional Learning Outcomes

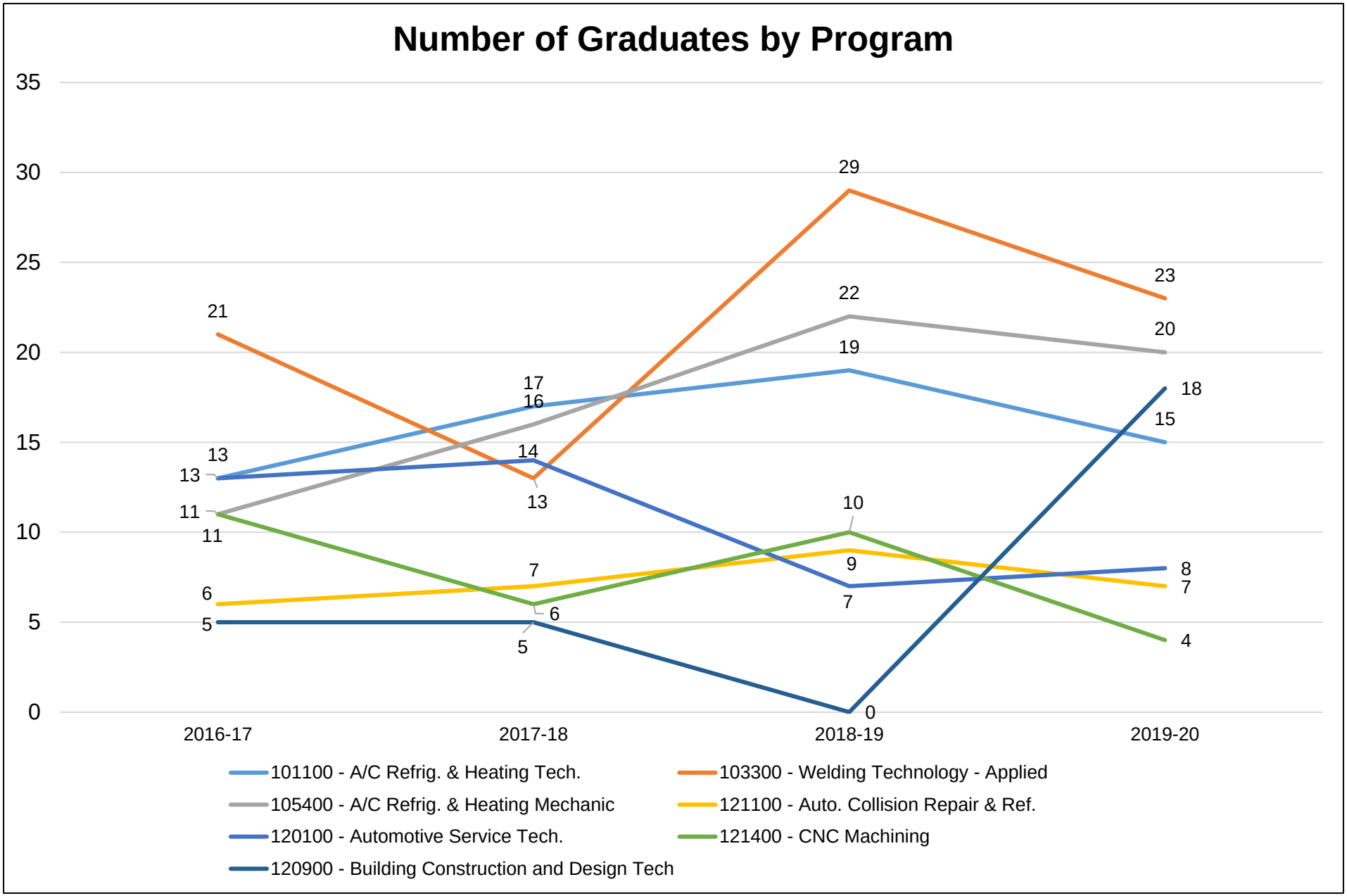
Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	18/19	19/20	18/19	19/20	18/19	19/20	18/19	19/20
Heating, Ventilation, Air Conditioning/Refrigeration Mechanic (1213/1054)	85%-90%	85%-95%	85%-90%	80%-85%	90%	80%-95%	80%-95%	80%-90%
Heating, Ventilation, Air Conditioning/Refrigeration Technology (101101/1011)	95%	85%-95%	90%-100%	85%-90%	70%-80%	80%-90%	90%	80%-100%
Automotive Collision Repair and Refinishing (1211)	90%	85%-95%	90%	90%-95%	88%-95%	85%-95%	100%	100%
Automotive Service Technology (1201)	84%	86%	84%	86%	84%	86%	84%	86%
Building Trades and Construction Design Technology (1209)	90%-95%	95%	100%	100%	95%	95%-100%	95%-100%	95%-100%
CNC Machining (1214/1202)	80%-90%	80%-90%	78%-90%	90%	75%-100%	100%	77%-92%	75%-95%
Welding Technology – Applied (1033)	83%-92%	80%-88%	80%-92%	80%-88%	80%-92%	80%-88%	80%-92%	80%-88%

Source: School of Education Assessment Reports



Students are duplicated across programs, unduplicated in the total.

Source: IR Program Assessment Data



Source: IR Program Assessment Data

Number of Graduates by Race/Ethnicity

Program and Race/Ethnicity	2018-2019	2019-2020
103300 - Welding Technology - Applied	29	23
Black	1	
Hispanic/Latino	7	1
Two or More Races	2	
Unknown		1
White	19	21
105400 - A/C Refrig. & Heating Mechanic	22	20
American Indian	1	
Black		2
Hispanic/Latino	5	4
Native Hawaiian	1	
Two or More Races	1	
Unknown	1	
White	13	14
120100 - Automotive Service Tech. Cert.	7	8
Black	1	
Hispanic/Latino		1
Two or More Races	1	2
White	5	5
120900 - Building Trades/Const Tech	0	18
Black		3
Hispanic/Latino		4
Two or More Races		1
White		10

Program and Race/Ethnicity	2018-2019	2019-2020
121100 - Auto Collision Repair/ Refinishing	9	7
Black	1	1
Hispanic/Latino	5	5
Two or More Races	1	
White	2	1
121400 - CNC Machining	10	4
Black		2
Hispanic/Latino	4	1
White	6	1
101100 - A/C Refrig. & Heating Tech.	19	15
American Indian	1	
Black		1
Hispanic/Latino	5	4
Two or More Races	1	
Unknown	1	
White	11	10
Grand Total	96	95

Source: IR Program Assessment Data

Time to Degree by Program

Program	Average of Yrs to Degree
103300 - Welding Technology - Applied	0.56
105400 - A/C Refrig. & Heating Mechanic	0.96
120100 - Automotive Service Tech. Cert.	1.82
120900 - Building Trades/Const Tech	0.56
121100 - Auto Collision Repair/ Refinis	0.70
121400 - CNC Machining	0.42
101100 - A/C Refrig. & Heating Tech.	0.56

Source: IR Program Assessment Data

Graduation Rates (1 of 2)

Major	First Fall Term in Major		Graduation			
	Fall Term	# Students	Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1011- A/C Refrig and Heat Mech	FA16	18	7	39%	9	50%
	FA17	12	6	50%	8	67%
	FA18 – 200% In progress	19	5	26.3%	5	26.3%
	FA19 – In progress	15	4	26.7%	4	26.7%
101101 – Heating, Vent, AC/Ref Technician	FA19 – In progress	3	0	0%	0	0%
1033- Welding Tech- Applied	FA16	18	14	78%	14	78%
	FA17	25	11	44%	11	44%
	FA18 – 200% In progress	40	29	72.5%	29	72.5%
	FA19 – In progress	45	17	37.8%	17	37.8%
1054- A/C Refrig and Heat Tech	FA16	17	9	53%	9	53%
	FA17	12	4	33%	4	33%
	FA18 – 200% In progress	32	13	40.6%	15	46.9%
	FA19 – In progress	23	0	0%	0	0%

Workforce Completion Rate for 150%: 34.28% and for 200%: 41.09%

Fall terms include prior Summer term enrollment in major.
200% Graduation Rate includes graduates in 150% Graduation Rate.

Source: IR Program Assessment Data

Graduation Rates (2 of 2)

Major	First Fall Term in Major		Graduation			
	Fall Term	# Students	Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1211- Auto Collis Repair & Ref	FA16	10	6	60%	6	60%
	FA17	8	5	63%	5	63%
	FA18 – 200% In progress	6	5	83.3%	5	83.3%
	FA19 – In progress	9	0	0%	0	0%
1201- Automotive Service Tech	FA16	21	0	0%	4	19%
	FA17	13	1	8%	4	31%
	FA18 – 200% In progress	23	1	4.4%	5	21.7%
	FA19 – In progress	24	0	0%	0	0%
1214/1202- CNC Machining	FA16	22	9	41%	10	45%
	FA17	11	3	27%	4	36%
	FA18 – 200% In progress	14	6	43%	6	43%
	FA19 – In progress	27	9	33.3%	9	33.3%
1209 – Building Trades and Construction Tech	FA16	16	3	19%	3	19%
	FA17	5	3	60%	3	60%
	FA18 – 200% In progress	12	7	58%	7	58%
	FA19 – In progress	13	6	46.2%	6	46.2%
1212 – Advanced Welding	FA19 – In progress	5	0	0%	0	0%

Workforce Completion Rate for 150%: 34.28% and for 200%: 41.09%

Fall terms include prior Summer term enrollment in major.
200% Graduation Rate includes graduates in 150% Graduation Rate.

Source: IR Program Assessment Data

Graduation Rates by Race/Ethnicity (1 of 2)

Major	Fall Term	Race/Ethnicity	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1011- A/C Refrig and Heat Mech	FA17	Hispanic	2	1	50%	2	100%
		Two or More Races	1	0	0%	0	0%
		White	9	5	56%	6	55%
	FA18 – 200% In progress	Black	3	0	50	0	0%
		Hispanic	6	3	17%	3	17%
		White	10	2	20%	2	10%
	FA19 – In progress	Black	1	0	0%	0	0%
		Hispanic	3	1	33.3%	1	33.3%
		White	11	3	27.3%	3	27.3%
101101 – Heating, Vent, AC/Ref Technician	FA19 – In progress	Hispanic	1	0	0%	0	0%
		White	2	0	0%	0	0%
1033- Welding Tech-Applied	FA17	Hispanic	5	4	80%	4	80%
		Unknown	2	1	50%	1	50%
		White	18	6	33%	6	33%
	FA18 – 200% In progress	Black	5	1	20%	1	20%
		Hispanic	7	6	86%	6	86%
		Two or More Races	3	3	100%	3	100%
		White	25	19	76%	19	76%
	FA19 – In progress	Black	1	0	0%	0	0%
		Hispanic	5	1	20%	1	20%
		Two or More Races	2	1	50%	1	50%
		Unknown	1	0	0%	0	0%
		White	36	15	41.7%	15	41.7%
1054- A/C Refrig and Heat Tech	FA17	Black	2	0	0%	0	0%
		Hispanic	3	2	67%	2	67%
		White	7	2	29%	2	29%
	FA18 – 200% In progress	Black	4	0	0%	0	0%
		Hispanic	5	1	20%	1	20%
		Two or More Races	1	0	0%	0	0%
		Unknown	1	0	0%	0	0%
		White	21	7	33%	7	33%
	FA19 – In progress	Asian	2	0	0%	0	0%
		Black	7	0	0%	0	0%
		Hispanic	6	0	0%	0	0%
		Two or More Races	2	0	0%	0	0%
		White	6	0	0%	0	0%

Graduation Rates by Race/Ethnicity (2 of 2)

Major	Fall Term	Race/Ethnicity	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1211- Auto Collis Repair & Ref	FA17	Hispanic	4	3	75%	3	75%
		Two or More Races	1	1	100%	1	100%
		White	3	1	33%	1	33%
	FA18 – 200% In Progress	Hispanic	4	4	100%	4	100%
		White	2	1	50%	1	50%
	FA19 – In progress	Hispanic	3	0	0%	0	0%
		White	6	0	0%	0	0%
1201- Automotive Service Tech	FA17	Black	2	0	0%	0	0%
		Hispanic	2	0	0%	0	0%
		Two or More Races	1	0	0%	0	0%
		White	8	1	13%	4	50%
	FA18 – 200% In Progress	Black	4	0	0%	0	0%
		Hispanic	5	0	0%	1	20%
		Two or More Races	1	0	0%	1	100%
		Unknown	1	0	0%	0	0%
		White	12	1	8.3%	3	25%
	FA19 – In progress	Black	2	0	0%	0	0%
		Hispanic	11	0	0%	0	0%
		White	11	0	0%	0	0%
1214/1202- Machining	FA17	Black	1	0	0%	0	0%
		Hispanic	6	2	33%	3	50%
		White	4	1	25%	1	25%
	FA18 – 200% In Progress	Black	1	0	0%	0	0%
		Hispanic	1	1	100%	1	100%
		White	12	5	42%	5	42%
	FA19 – In progress	Black	4	2	50%	2	50%
		Hispanic	3	1	33.3%	1	33.3%
		Unknown	1	0	0%	0	0%
		White	19	6	31.6%	6	31.6%
1209 – Building Trades and Construction Tech	FA17	Hispanic	2	1	50%	1	50%
		Two or More Races	1	0	0%	0	0%
		White	2	2	100%	2	100%
	FA18 – 200% In Progress	Black	1	1	100%	1	100%
		Hispanic	4	2	50%	2	50%
		Unknown	1	0	0%	0	0%
		White	6	4	67%	4	67%
	FA19 – In progress	Black	3	0	0%	0	0%
		Two or More Races	2	1	50%	1	50%
		White	8	5	65.5%	5	65.5%
1212 – Advanced Welding	FA19 – In progress	White	5	0	0%	0	0%

Graduation Rates by Gender

Major	Fall Term	Gender	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1011- A/C REFRIG AND HEAT TECH	FA17	Male	12	6	50%	8	67%
	FA18 – 200% In progress	Female	1	0	0%	0	0%
		Male	18	5	27.8%	5	11%
	FA19 – In progress	Female	2	1	50%	1	50%
		Male	13	3	23.1%	3	23.1%
101101 – HEATING, VENT, AC/REF TECHNICIAN	FA19 – In progress	Male	3	0	0%	0	0%
1033- WELDING TECH-APPLIED	FA17	Female	1	1	100%	1	100%
		Male	24	10	42%	10	42%
	FA18 – 200% In progress	Female	3	3	100%	3	100%
		Male	37	26	70.3%	26	70.3%
	FA19 – In progress	Female	3	1	33.3%	1	33.3%
		Male	42	16	38.1%	16	38.1%
1054- A/C REFRIG AND HEAT MECH	FA17	Male	12	4	33%	4	33%
	FA18 – 200% In progress	Female	1	1	100%	1	100%
		Male	30	11	36.7%	13	43.3%
		Unknown	1	1	100%	1	100%
	FA19 – In progress	Male	23	0	0%	0	0%
1211- AUTO COLLIS REPAIR & REF	FA17	Female	1	0	0%	0	0%
		Male	7	5	71%	5	71%
	FA18 – 200% In progress	Male	6	5	83.3%	5	83.3%
	FA19 – In progress	Male	9	0	0%	0	0%
1201- AUTOMOTIVE SERV TECH	FA17	Female	1	0	0%	0	0%
		Male	12	1	8.3%	4	33.3%
	FA18 – 200% In progress	Female	2	0	0%	1	50%
		Male	21	1	4.8%	4	19.1%
	FA19 – In progress	Female	23	0	0%	0	0%
		Male	1	0	0%	0	0%
1214/1202- MACHINING	FA17	Male	10	2	20%	3	30%
		PrefNoAns	1	1	100%	1	100%
	FA18 – 200% In progress	Male	14	6	43%	6	43%
	FA19 – In progress	Female	5	1	20%	1	20%
		Male	21	8	38.1%	8	38.1%
		PrefNoAns	1	0	0%	0	0%
1209 – BUILDING TRADES & CONSTRUCTION TECH	FA17	Female	1	1	100%	1	100%
		Male	4	2	50%	2	50%
	FA18 – 200% In progress	Female	2	0	0%	0	0%
		Male	10	7	70%	7	70%
	FA19 – In progress	Female	2	1	50%	1	50%
		Male	10	5	50%	5	50%
		PrefNoAns	1	0	0%	0	0%
1212 – ADVANCED WELDING	FA19 – In progress	Male	5	0	0%	0	0%

Persistence Rates

Program	Term	Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Retained by College
					N	%	N	%	%
1011- A/C REFRIG AND HEAT TECH	FA16 to SP17	21	4	17	1	6%	9	53%	59%
	FA17 to SP18	19	8	11	0	0%	9	82%	82%
	FA18 to SP19	34	3	31	2	6%	20	65%	71%
	FA19 to SP20	24	6	18	1	5.6%	12	66.7%	72.2%
101101 – HEATING, VENT, AC/REF TECHN	FA19 to SP20	3	0	3	0	0%	0	0%	0%
1033- WELDING TECH-APPLIED	FA16 to SP17	25	3	22	1	5%	16	73%	77%
	FA17 to SP18	27	0	27	0	0%	21	78%	78%
	FA18 to SP19	41	0	41	0	0%	33	80%	80%
	FA19 to SP20	50	0	50	1	2%	36	72%	72%
1054- A/C REFRIG AND HEAT MECH	FA16 to SP17	31	9	25	0	0%	16	64%	64%
	FA17 to SP18	24	11	22	0	0%	11	50%	50%
	FA18 to SP19	46	5	39	2	5%	31	76%	81%
	FA19 to SP20	43	3	40	0	0%	24	60%	60%
1211- AUTO COLLIS REPAIR & REF	FA16 to SP17	16	3	14	1	7%	10	71%	79%
	FA17 to SP18	12	3	12	0	0%	9	75%	75%
	FA18 to SP19	8	1	7	4	57%	0	0%	57%
	FA19 to SP20	11	2	9	0	0%	8	88.9%	88.9%
1201- AUTOMOTIVE SERV TECH	FA16 to SP17	45	10	45	0	0%	35	78%	78%
	FA17 to SP18	37	13	34	2	6%	19	56%	62%
	FA18 to SP19	39	1	38	0	0%	26	68%	68%
	FA19 to SP20	41	3	38	0	0%	28	73.7%	73.7%
1214/1202- MACHINING	FA16 to SP17	31	8	30	2	7%	20	67%	73%
	FA17 to SP18	22	5	20	1	5%	14	70%	75%
	FA18 to SP19	20	0	20	0	0%	15	75%	75%
	FA19 to SP20	27	0	27	0	0%	24	88.9%	88.9%
1209 – BUILDING TRADES & CONSTRUCTION TECH	FA16 to SP17	20	9	17	2	12%	6	35%	47%
	FA17 to SP18	7	1	7	0	0%	6	86%	86%
	FA18 to SP19	14	0	14	1	7%	10	71%	78%
	FA19 to SP20	15	0	15	0	0%	10	66.7%	66.7%
1212 – ADV WELDING	FA19 to SP20	5	0	5	0	0%	0	0%	0%

Persistence Rates by Race/Ethnicity (1 of 3)

Major	Term	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1011- A/C REF2RIG AND HEAT TEC2H	FA17 to SP18	Hawaii/Pac	2	1	1	1	100%
		Hispanic	3	0	3	3	100%
		White	14	7	7	5	71%
	FA18 to SP19	American Indian	1	0	1	1	100%
		Black	5	0	5	3	60%
		Hispanic	10	1	9*	6	67%
		Unknown	1	0	1	1	100%
		White	17	2	15*	9	60%
	FA19 to SP20	Black	3	0	3*	1	33.3%
		Hispanic	6	2	4	2	50%
		White	15	4	11	9	81.8%
101101 – HEATING, VEN, AC/REF TECHNN	FA19 to SP20	Hispanic	1	0	1	0	0%
		White	2	0	2	0	0%
1033- WELDING 2TECH-APPLIED	FA17 to SP18	Hispanic	5	0	5	5	100%
		White	20	0	20	15	75%
	FA18 to SP19	Black	4	0	4	2	50%
		Hispanic	8	0	8	6	75%
		Two or More Races	2	0	2	2	100%
		Unknown	1	0	1	0	0%
		White	26	0	26	23	88%
	FA19 to SP20	Black	1	0	1	1	50%
		Hispanic	6	0	6	4	66.7%
		Two or More Races	2	0	2	2	100%
		Unknown	2	0	2	2	100%
		White	39	0	39*	27	69.2%

**one or more students retained by DSC*

Persistence Rates by Race/Ethnicity (2 of 3)

Major	Term	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program #	Retained by Program %
1054- A/C REFRIG AND HEAT MECH	FA17 to SP18	Black	4	0	4	3	75%
		Hispanic	6	0	6	2	33%
		Two or More Races	1	0	1	0	0%
		White	13	2	11	6	55%
	FA18 to SP19	Black	7	0	7	5	71%
		Hispanic	6	2	4	3	75%
		Two or More Races	2	0	2	1*	50%
		Unknown	1	0	1	1	100%
		White	30	3	27	21*	78%
	FA19 to SP20	Asian	2	0	2	1	50%
		Black	9	1	8	6	75%
		Hispanic	9	1	8	6	75%
		Two or More Races	2	0	2	1	50%
		Unknown	2	0	2	1	50%
		White	19	1	18	9	50%
1211- AUTO COLLIS REPAIR & REF AND HEAT TECH	FA17 to SP18	Black	1	0	1	1	100%
		Hispanic	7	0	7	4	57%
		Two or More Races	1	0	1	1	100%
		White	3	0	3	3	100%
	FA18 to SP19	Black	2	0	2*	0	0%
		Hispanic	3	0	3*	0	0%
		White	3	1	2*	0	0%
	FA19 to SP20	Black	1	1	0		
		Hispanic	3	1	2	2	100%
		White	7	0	7	6	85.7%
1201- AUTOMOTIVE SERV TECH	FA17 to SP18	Asian	1	0	1	1	100%
		Black	3	0	3	2	67%
		Hispanic	7	1	6*	1	17%
		Two or More Races	2	0	2	2	100%
		White	23	2	21	13	62%
	FA18 to SP19	Asian	1	0	1	0	0%
		Black	4	0	4	3	75%
		Hispanic	5	0	5	5	100%
		Two or More Races	4	0	4	4	100%
		Unknown	1	0	1	1	100%
		White	24	1	23	13	57%
	FA19 to SP20	Black	4	0	4	4	100%
		Hispanic	13	0	13	12	92.3%
		Two or More Races	2	0	2	1	50%
		White	22	3	19	11	57.9%

*one or more students retained by DSC

Persistence Rates by Race/Ethnicity (3 of 3)

Major	Term	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program #	Retained by Program %
1214/1202-MACHINING	FA17 to SP18	Black	1	0	1*	0	0%
		Hispanic	6	0	6	6	100%
		White	15	2	13	8	62%
	FA18 to SP19	Black	1	0	1	1	100%
		Hispanic	4	0	4	2	50%
		White	15	0	15	12	80%
	FA19 to SP20	Black	4	0	4	3	75%
		Hispanic	3	0	3	3	100%
		Unknown	1	0	1	0	0%
		White	19	0	19	18	94.7%
1209 – BUILDING TRADES/ CONSTRUCTION TECH	FA17 to SP18	Hispanic	2	0	2	2	100%
		Two or More Races	1	0	1	1	100%
		White	4	0	4	3	75%
	FA18 to SP19	Black	1	0	1	1	100%
		Hispanic	4	0	4*	3	75%
		Unknown	2	0	2	1	50%
		White	7	0	7	5	71%
	FA19 to SP20	Black	4	0	4	2	50%
		Two or More Races	2	0	2	2	100%
		White	9	0	9	6	66.7%
1212 – ADV WELDING	FA19 to SP20	White	5	0	5	5	100%

**one or more students retained by DSC*

Source: IR Program Assessment Data

Persistence Rates by Gender (1 of 2)

Major	Term	Gender	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1011- A/C REFRIG AND HEAT TECHN	FA18 to SP19	Female	1	0	1	1	100%
		Male	33	3	30	19	63%
	FA19 to SP20	Female	3	1	2	1	50%
		Male	21	5	16*	11	68.8%
101101 – HEAT, VENT, AC/REFRG TECHN	FA19 to SP20	Male	3	0	3	0	0%
1033- WELDING 2TECH-APPLIED	FA18 to SP19	Female	3	0	3	3	100%
		Male	38	0	38	30	79%
	FA19 to SP20	Female	4	0	4	4	100%
		Male	45	0	45*	32	71.1%
		Unknown	1	0	1	0	0%
1054- A/C REFRIG AND HEAT MECH	FA18 to SP19	Female	1	0	1	1	100%
		Male	44	5	39	29	74%
		Unknown	1	0	1	1	100%
	FA19 to SP20	Male	39	3	36	21	58.3%
		PrefNoAns	1	0	1	1	100%
		Unknown	3	0	3	2	66.7%
1211- AUTO COLLIS REPAIR & REF AND HEAT TEC2H	FA18 to SP19	Male	8	1	7	0	0%
	FA19 to SP20	Female	1	1	0		
		Male	9	1	8	7	87.5%
		Unknown	1	0	1	1	100%

**one or more students retained by DSC*

Source: IR Program Assessment Data

Persistence Rates by Gender (2 of 2)

Major	Term	Gender	Registered	Exclusions	Adjusted Cohort	Retained by Program #	Retained by Program %
1201- AUTOMOTIVE SERV TECH	FA18 to SP19	Female	5	0	5	2	40%
		Male	34	1	33	24	73%
	FA19 to SP20	Female	3	1	2	0	0%
		Male	35	2	33	7	87.5%
		Unknown	3	0	3	1	100%
1214/1202- MACHINING	FA18 to SP19	Male	20	0	20	15	75%
	FA19 to SP20	Female	5	0	5	4	80%
		Male	20	0	20	19	95%
		PrefNoAns	1	0	1	1	100%
		Unknown	1	0	1	0	0%
1209 – BUILDING TRADES/ CONSTRUCTION TECH	FA18 to SP19	Female	2	0	2	0	0%
		Male	12	0	12	10	83%
	FA19 to SP20	Female	4	0	4	2	50%
		Male	11	0	11	8	72.7%
1212 – ADV WELDING	FA19 to SP20	Male	3	0	3	3	100%
		Unknown	2	0	2	2	100%

Source: IR Program Assessment Data

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

Program Title	Major(s)	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%	
Air Conditioning, Refrigeration, and Heating Technology	1011, 1054	33%	46%	75%	49%	N/A	54%	85%	59%	***%	64%	67%	55%	$33,076
Automotive Collision Repair and Refinishing	1211	75%	58%	75%	54%	100%	81%	100%	76%	33%	79%	100%	73%	$**,***
Automotive Service Technology	1201	67%	71%	75%	66%	100%	85%	***%	83%	83%	80%	79%	75%	$**,***
Machining	1202	100%	100%	71%	64%	100%	100%	77%	77%	100%	100%	80%	80%	$**,***
Welding Technology - Applied	1033	56%	52%	33%	55%	67%	66%	***%	68%	93%	68%	63%	67%	$35,124
Building Trades and Construction Technology	1209							New Program		33%	33%	75%	57%	$**,***

Source: Florida Education Training Placement Information Program (FETPIP)

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

N/A - No placement data for the program.
(****), ($**,***), or (***%) - Number of graduates less than 10 but greater than 0 suppressed.

Course Success Rates (1 of 3)

Major and Associated Courses with Instructional Method		2016-2017		2017-2018		2018-2019		2019-2020	
		# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
101101 (1011) – Heating, Ventilation, AC/Refr Technology	ACR0061C	30	83%	28	96%	32	100%	47	83%
	ACR0062C	30	77%	29	90%	33	91%	48	90%
	ACR0506C	32	84%	21	95%	54	81%	13	77%
	ACR0600C	25	88%	17	94%	28	93%	35	80%
	ACR0601C	26	85%	17	94%	28	100%	35	77%
	ACR0742C	28	93%	16	100%	28	96%	36	94%
	ACR0815C	24	83%	17	94%	26	96%	34	82%
	Major							248	84%
1213 (1054) and 101101 A/C, Refrigeration & Heating Tech	ACR0001C	40	68%	42	88%	63	95%	64	88%
	ACR0002C	35	69%	38	89%	63	97%	59	76%
	ACR0100C	42	76%	46	80%	64	97%	65	92%
	ACR0102C	39	62%	39	90%	64	95%	61	75%
	ACR0150C	32	91%	24	71%	62	81%	47	87%
	ACR0205C	31	77%	27	85%	34	100%	75	93%
	ACR0741C	32	78%	26	54%	61	70%	45	84%
	ACR0850C	33	82%	23	87%	58	83%	44	82%
	Major	570	79%	410	86%	698	90%	460	85%
1033-Welding Technology at Daytona	PMT0106C	19	100%	27	96%	67	88%	53	92%
	PMT0109C	19	95%	26	100%	64	88%	52	90%
	PMT0121C	19	89%	26	92%	62	90%	48	94%
	PMT0131C	29	86%	22	91%	34	97%	57	96%
	PMT0134C	18	100%	23	96%	35	94%	60	97%
	PMT0154C	19	89%	26	88%	59	88%	44	93%
	PMT0161C	19	93%	23	87%	35	100%	61	92%
	PMT0171C	27	96%	20	90%	33	94%	58	93%
	PMT0290	15	100%	9	100%				
	Major	210	93%	202	93%	389	91%	433	94%

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 Rates (2 of 3)

Major and Associated Courses with Instructional Method		2016-2017		2017-2018		2018-2019		2019-2020	
		# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1211 Automotive Collision Repair & Refinishing ATC	ARR0021							7	100%
	ARR0121C	16	94%	12	100%	12	83%	11	100%
	ARR0122C	15	73%	16	94%	9	78%	16	81%
	ARR0123C	11	91%	13	100%	14	93%	7	100%
	ARR0241C	16	94%	13	100%	12	83%	11	100%
	ARR0242C	15	67%	16	94%	9	78%	16	0%
	ARR0243C	11	91%	13	100%	14	93%	7	100%
	ARR0244C	11	91%	13	100%	10	90%	5	100%
	ARR0381C	16	94%	12	100%	12	83%	11	100%
	ARR0382C	15	73%	16	88%	9	78%	16	81%
	ARR0949	3	100%			3	100%	4	100%
	Major	162	86%	124	97%	104	86%	111	80%
1201-Automotive Service Technology ATC	AER0014C	22	82%	17	94%	22	73%	26	96%
	AER0110C	22	91%	14	86%	17	65%	14	79%
	AER0172C	21	90%	19	74%	17	82%	16	88%
	AER0257C	21	90%*	18	67%	20	85%	19	53%
	AER0274C	24	79%*	15	87%	18	83%	25	88%
	AER0360C	19	89%*	18	78%	18	67%	20	65%
	AER0418C	20	85%	15	93%	18	72%	24	75%
	AER0453C	21	76%	12	100%	17	76%	15	80%
	AER0503C	25	64%*	15	67%	17	76%	23	61%
	Major	195	83%	143	82%	164	76%	182	76%

**Lecture in the past*

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 Rates (3 of 3)

Major and Associated Courses with Instructional Method		2016-2017		2017-2018		2018-2019		2019-2020	
		# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1214/1202 Machining	PMT0202C							29	93%
	PMT0211C	23	91%	34	79%	19	89%		
	PMT0215C	19	95%	34	68%	19	89%		
	PMT0251C	20	90%	28	82%	24	92%	29	100%
	PMT0255C	30	87%	26	85%	21	95%		
	PMT0260C	8	88%	18	100%	27	100%	24	83%
	PMT0265C	26	85%	17	88%	27	96%		
	PMT0290							6	100%
	PMT0720C	24	88%	13	92%	12	100%		
	TDR0304C	23	82%	15	93%	24	92%		
	PMT0720C	1	100%			22	91%	29	97%
	Major	174	89%	185	83%	195	94%	117	94%
1209 Building Trades and Construction Tech.	BCV0080L	15	47%	15	93%	20	85%	18	78%
	BCV0081L	8	88%	7	71%	13	100%	17	100%
	BCV0082L	13	77%	7	71%	15	93%	16	100%
	BCV0084L	13	77%	7	71%	13	100%	17	94%
	BCV0942C							28	96%
	Major	54	72%	36	81%	61	93%	96	94%

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 Rates by Race/Ethnicity (1 of 4)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
1213 & 101101 (1054 & 1011) - A/C, Refri & Heating	698	90%	601	84%
ACR0001C	63	95%	64	88%
Asian			2	100%
Black	9	89%	8	88%
Hispanic	13	100%	16	81%
Two or More Races	2	100%	4	100%
Unknown	2	100%	1	0%
White	37	95%	33	91%
ACR0002C	63	97%	59	76%
Asian			2	50%
Black	9	89%	8	63%
Hispanic	13	100%	14	79%
Two or More Races	2	100%	4	75%
White	37	97%	31	81%
ACR0061C	32	100%	47	83%
Black	3	100%	5	80%
Hispanic	6	100%	10	80%
Unknown	1	100%	2	100%
White	20	100%	30	83%
ACR0062C	33	91%	48	90%
Black	3	67%	5	80%
Hispanic	6	100%	10	80%
Unknown	1	100%	2	100%
White	21	90%	31	94%
ACR0100C	64	97%	65	92%
Asian			2	100%
Black	9	100%	8	88%
Hispanic	14	86%	16	100%
Two or More Races	2	100%	4	100%
Unknown	2	100%	1	100%
White	37	100%	34	88%

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
ACR0102C	64	95%	61	75%
Asian			2	50%
Black	9	89%	8	75%
Hispanic	14	93%	15	60%
Two or More Races	2	100%	4	75%
White	37	97%	32	84%
ACR0150C	62	81%	47	87%
Asian			1	100%
Black	8	50%	6	83%
Hispanic	11	91%	9	100%
Two or More Races	3	0%	4	75%
Unknown	2	100%	1	100%
White	37	89%	26	85%
ACR0205C	34	100%	75	93%
Asian			1	100%
Black	4	100%	9	100%
Hispanic	6	100%	17	88%
Two or More Races	1	100%	2	100%
Unknown	1	100%	2	100%
White	21	100%	44	93%
ACR0506C	54	81%	13	77%
Black	6	67%	1	100%
Hispanic	11	73%	2	100%
Two or More Races	2	50%	1	100%
Unknown	1	100%	1	100%
White	33	88%	8	63%
ACR0600C	28	93%	35	80%
Black	2	100%	4	50%
Hispanic	5	100%	9	89%
Two or More Races	1	100%	1	100%
Unknown	1	100%	2	100%
White	18	89%	19	79%
ACR0601C	28	100%	35	77%
Black	2	100%	4	75%
Hispanic	5	100%	9	89%
Two or More Races	1	100%	1	100%
Unknown	1	100%	2	50%
White	18	100%	19	74%

Course Success Rates by Race/Ethnicity (2 of 4)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
ACR0741C	61	70%	45	84%
Asian			1	100%
Black	7	43%	6	83%
Hispanic	11	64%	9	89%
Two or More Races	3	33%	3	100%
Unknown	2	50%	1	100%
White	37	81%	25	80%
ACR0742C	28	96%	36	94%
Black	2	100%	4	100%
Hispanic	5	100%	9	89%
Two or More Races	1	100%	1	100%
Unknown	1	100%	2	100%
White	18	94%	20	95%
ACR0815C	26	96%	34	82%
Black	2	100%	3	67%
Hispanic	5	100%	9	89%
Two or More Races	1	100%	1	100%
Unknown	1	100%	2	100%
White	16	94%	19	79%
ACR0850C	58	83%	44	82%
Asian			1	100%
Black	7	57%	7	71%
Hispanic	11	82%	9	78%
Two or More Races	2	0%	3	67%
Unknown	2	100%	1	100%
White	35	91%	23	87%
1033 - Welding Tech	389	91%	433	94%
PMT0106C	67	88%	53	92%
Black	4	75%	1	100%
Hispanic	9	89%	8	88%
Two or More Races	2	100%	2	100%
Unknown	1	0%	2	100%
White	51	90%	40	93%
PMT0109C	64	88%	52	90%
Black	5	40%	1	100%
Hispanic	8	100%	8	88%
Two or More Races	2	100%	2	100%
Unknown			2	100%
White	49	90%	39	90%

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
PMT0121C	62	90%	48	94%
Black	5	60%	1	100%
Hispanic	8	100%	7	100%
Two or More Races	2	100%	2	100%
Unknown			2	100%
White	47	91%	36	92%
PMT0131C	34	97%	57	96%
Black	2	100%	1	100%
Hispanic	6	100%	6	100%
Two or More Races	2	100%	2	100%
Unknown			2	100%
White	24	96%	46	96%
PMT0134C	35	94%	60	97%
Black	2	100%	2	100%
Hispanic	6	100%	7	100%
Two or More Races	2	100%	2	100%
Unknown			2	100%
White	25	92%	47	96%
PMT0154C	59	88%	44	93%
Black	4	75%	1	100%
Hispanic	8	88%	6	83%
Two or More Races	2	100%	2	100%
Unknown			2	100%
White	45	89%	33	94%
PMT0161C	35	100%	61	92%
Black	2	100%	2	100%
Hispanic	6	100%	8	75%
Two or More Races	2	100%	2	100%
Unknown			2	100%
White	25	100%	47	94%
PMT0171C	33	94%	58	93%
Black	2	100%	2	50%
Hispanic	6	100%	6	100%
Two or More Races	2	100%	2	100%
Unknown			2	100%
White	23	91%	46	93%
1211 – Auto Coll/Rep/Ref	104	86%	111	80%
ARR0021			7	100%
Black			1	100%
Hispanic/Latino			5	100%
White			1	100%
ARR0121C	12	83%	11	100%
Black	2	100%	1	100%
Hispanic	7	86%	3	100%
White	3	67%	7	100%
ARR0122C	9	78%	16	81%
Hispanic	5	100%	6	83%
White	2	50%	10	80%

Course Success Rates by Race/Ethnicity (3 of 4)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
1211 – Auto Coll/Rep/Ref	104	86%	111	80%
ARR0123C	14	93%	7	100%
Black	3	100%	1	100%
Hispanic	5	100%	5	100%
White	5	80%	1	100%
ARR0241C	12	83%	11	100%
Black	2	100%	1	100%
Hispanic	7	86%	3	100%
White	3	67%	7	100%
ARR0242C	9	78%	16	0%
Hispanic	5	100%	6	0%
White	2	50%	10	0%
ARR0243C	14	93%	7	100%
Black	3	100%	1	100%
Hispanic	5	100%	5	100%
White	5	80%	1	100%
ARR0244C	10	90%	5	100%
Hispanic	3	100%	4	100%
White	4	75%	1	100%
ARR0381C	12	83%	11	100%
Black	2	100%	1	100%
Hispanic	7	86%	3	100%
White	3	67%	7	100%
ARR0382C	9	78%	16	81%
Hispanic	5	100%	6	83%
White	2	50%	10	80%
ARR0949	3	100%	4	100%
Hispanic/Latino	2	100%	1	100%
White	1	100%	3	100%
1201 - Automotive Service Tech	164	76%	182	76%
AER0014C	22	73%	26	96%
Black	2	50%	4	100%
Hispanic	3	100%	9	100%
Two or More Races	2	100%	1	100%
White	14	71%	12	92%

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
1201 - Auto Service Tech	164	76%	182	76%
AER0110C	17	65%	14	79%
Black	1	100%	1	0%
Hispanic	2	50%	4	100%
Two or More Races	2	100%	1	100%
White	11	55%	8	75%
AER0172C	17	82%	16	88%
Black	1	100%	1	100%
Hispanic	2	50%	5	60%
Two or More Races	2	100%	1	100%
White	11	82%	9	100%
AER0257C	20	85%	19	53%
Asian	3	100%	1	0%
Black	2	50%	2	0%
Hispanic			8	63%
Unknown			1	100%
White	13	85%	7	57%
AER0274C	18	83%	25	88%
Black	2	50%	3	67%
Hispanic	4	75%	8	100%
Two or More Races	2	100%	1	100%
White	9	100%	13	85%
AER0360C	18	67%	20	65%
Asian			1	100%
Black	2	50%	3	33%
Hispanic	3	33%	8	63%
Unknown			1	100%
White	11	73%	7	71%
AER0418C	18	72%	24	75%
Black	2	50%	4	100%
Hispanic	3	100%	8	63%
Two or More Races	2	100%	1	100%
White	10	70%	11	73%
AER0453C	17	76%	15	80%
Black	1	0%	2	100%
Hispanic	2	0%	4	100%
Two or More Races	2	100%	1	100%
White	11	91%	8	63%

Course Success Rates by Race/Ethnicity (4 of 4)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
1201 - Auto Service Tech	164	76%	182	76%
AER0503C	17	76%	23	61%
Black	3	67%	3	67%
Hispanic	4	75%	8	38%
Two or More Races	1	100%	1	100%
White	8	88%	11	73%
1202 - Machining	195	94%	117	94%
PMT0202C			29	93%
Black			4	75%
Hispanic			3	100%
Two or More Races			1	100%
White			21	95%
PMT0251C	24	92%	29	100%
Black	3	100%	3	100%
Hispanic	3	67%	3	100%
Two or More Races			1	100%
Unknown			1	100%
White	18	94%	21	100%
PMT0260C	27	100%	24	83%
Black	4	100%	2	100%
Hispanic	2	100%	2	100%
White	19	100%	20	80%
PMT0290	12	100%	6	100%
Black			1	100%
Hispanic	2	100%	1	100%
Two or More Races	1	100%	1	100%
White	9	100%	3	100%
PMT0720C	24	92%	29	97%
Black	4	75%	2	100%
Hispanic	2	100%	2	100%
White	16	94%	25	96%

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
1209 – Build. Trd & Const Tech	61	93%	96	94%
BCV0080L	20	85%	18	78%
Black	3	100%	4	75%
Two or More Races			2	100%
White	11	73%	12	75%
BCV0081L	13	100%	17	100%
Black	3	100%	2	100%
Hispanic	3	100%	2	100%
Two or More Races			2	100%
White	6	100%	11	100%
BCV0082L	15	93%	16	100%
Black	4	75%	2	100%
Hispanic	3	100%	2	100%
Two or More Races			1	100%
White	7	100%	11	100%
BCV0084L	13	100%	17	94%
Black	3	100%	2	100%
Hispanic	3	100%	2	100%
Two or More Races			2	50%
White	6	100%	11	100%
BCV0942C			28	96%
Black			5	100%
Hispanic			5	100%
Two or More Races			2	50%
Unknown			1	100%
White			15	100%
1212-Advanced Welding			15	67%
PMT0076C			5	0%
White			5	0%
PMT0077C			5	100%
White			5	100%
PMT0078C			5	100%
White			5	100%
Grand Total	1611	89%	1662	87%

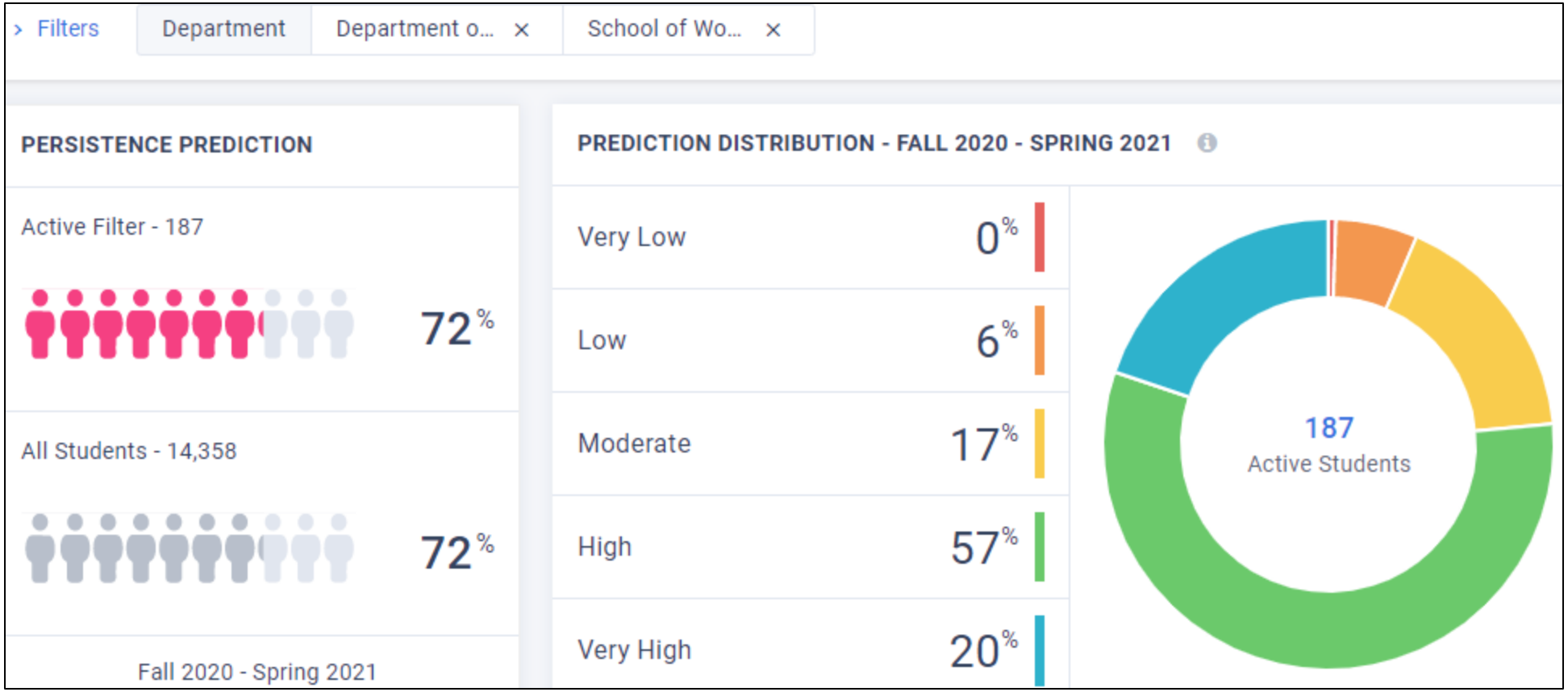
Program Success Rates by Race/Ethnicity (1 of 2)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
101101-Heating, Vent, AC/Refrg Technology			248	84%
Black			26	77%
Hispanic/Latino			58	86%
Two or More Races			5	100%
Unknown			13	92%
White			146	84%
1213/101101 - Heating, Vent, AC/Refrg			460	85%
Asian			12	83%
Black			60	82%
Hispanic/Latino			105	84%
Two or More Races			28	86%
Unknown			7	86%
White			248	87%
1033 - Welding Tech	389	91%	433	94%
Black	26	73%	11	91%
Hispanic/Latino	57	96%	56	91%
Two or More Races	16	100%	16	100%
Unknown	1	0%	16	100%
White	289	92%	334	93%
1212-Advanced Welding			15	67%
White			15	67%
1211 (1097) - Automotive Collision Repair & Ref	104	86%	111	80%
Black	20	85%	7	100%
Hispanic/Latino	51	94%	49	84%
White	30	70%	55	75%

Program Success Rates by Race/Ethnicity (2 of 2)

Program, Courses, & Race/Ethnicity	2018-2019		2019-2020	
	Enrolled	Success Rate	Enrolled	Success Rate
1201 - Automotive Service Tech	164	76%	182	76%
Asian	3	100%	2	50%
Black	17	65%	23	70%
Hispanic/Latino	25	64%	62	74%
Two or More Races	17	100%	7	100%
Unknown	4	0%	2	100%
White	98	79%	86	78%
1214 (1202) – CNC Machining	195	94%	117	94%
Black	28	89%	12	92%
Hispanic/Latino	21	81%	11	100%
Two or More Races	9	100%	3	100%
Unknown	1	100%	1	100%
White	136	96%	90	93%
1209 - Building Trades & Construction Tech	61	93%	96	94%
Black	13	92%	15	93%
Hispanic/Latino	14	100%	11	100%
Two or More Races			9	78%
Unknown	4	100%	1	100%
White	30	90%	60	95%
Grand Total	1611	89%	1662	87%

Civitas – illume Students



Screen captured on 9/23/2020

Civitas – illume Courses

Screen captured on 9/23/2020

DAYTONA STATE COLLEGE

2020-2021
Academic Affairs
Assessment Day – Program Guides

A Review of Program Guide and Course Catalog Information

Program Guides - Overview

- Given Assessment Day results, are there any changes needed to or desired for the Program Guide?
- Please Review:
  - Program Information
  - General Education Course Selections (if applicable)
  - Program Course Catalog Information
  - Program of Study

Program Guides – Information Review

- Mission statement
  - Does it accurately state the purpose and goals of the program?
- Description
  - Does it clearly portray the nature of the program and any unique characteristics (i.e. embedded certificates, industry certifications, program accreditations, etc.)?

Program Guides – General Ed. Review

- General Education Courses *(if applicable)*
  - Are the selection of courses aligned with the academic knowledge students need to be successful in the related field(s)/occupations?
    - Must be a minimum of 15 credit hours for A.S. programs *(F.A.C. 6A-10.024)*
    - Must include ENC1101 and a Math Core course
  - Do the selection of courses allow for seamless transition to the Baccalaureate level (if applicable)?

Program Guides – Course Reqs. Review

- Program Specific Course Requirements
  - Are the courses relevant to the academic and technical skills required in the related field(s)/occupation(s)?
  - Are there any required courses offered by another department? If so, consult with that department on upcoming changes (if any).
  - Are there any courses that have not been offered in over 5 years?

Program Guides – Course Info. Review

- Program Specific Course Catalog Information
  - Is the course description accurate?
  - Are the course prefix, number and/or title relevant?
  - Are the term offerings up-to-date?
  - Are the prerequisite and corequisite course assignments appropriate to what students need to know to be successful in the requisite *(required)* course?

Program Guide – Program of Study Review

- Program of Study
  - Is the sequence of courses structured from foundational to advanced content, as appropriate?
  - Does the sequence align with course, term offerings?
  - Does the sequence align with course, prerequisite/co-requisite assignments?
  - Are there any special notes/information missing, incorrect or desired?

ASSESSMENT DAY

Mary Karl College of Workforce and Continuing Education

School of Workforce Careers

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

1054 - Air Conditioning, Refrigeration and Heating Mechanic

1011 - Air Conditioning, Refrigeration, and Heating Technology

1211 - Automotive Collision Repair and Refinishing

1201 - Automotive Service Technology

1209 - Building Trades and Construction Design Technology

1202 - Machining

1033 - Welding Technology - Applied

Last Assessment Day Action Items

Assessment Meeting: 4/30/2019

- Research ways to utilize the waitlist;
- Make student orientation mandatory;
- Add topic of “How to be a student” to the orientation;
- Seek Math tutoring from ASC (Math workshop)

For IE/IR:

- Contact Records regarding how and when waitlisted students are contacted;
- Move PMT0290 from Welding to Machining;
- Check 1201 AER courses in summer (should be none);
- Check Building courses in the spring (should be) 80-81-82-84;
- Automotive summer should not be included for graduation rate;
- Query from Records to track students’ progress

1054 – Air Conditioning, Refrigeration and Heating Mechanic Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate the ability to safely follow rules and regulations to industry standards.

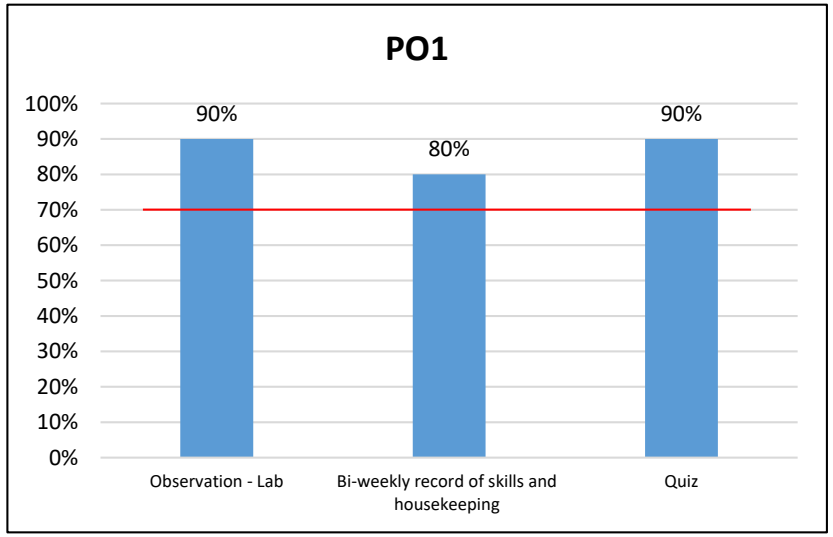
PO2: Use appropriate tools, equipment, material and electrical products used in the industry.

PO3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, and troubleshooting.

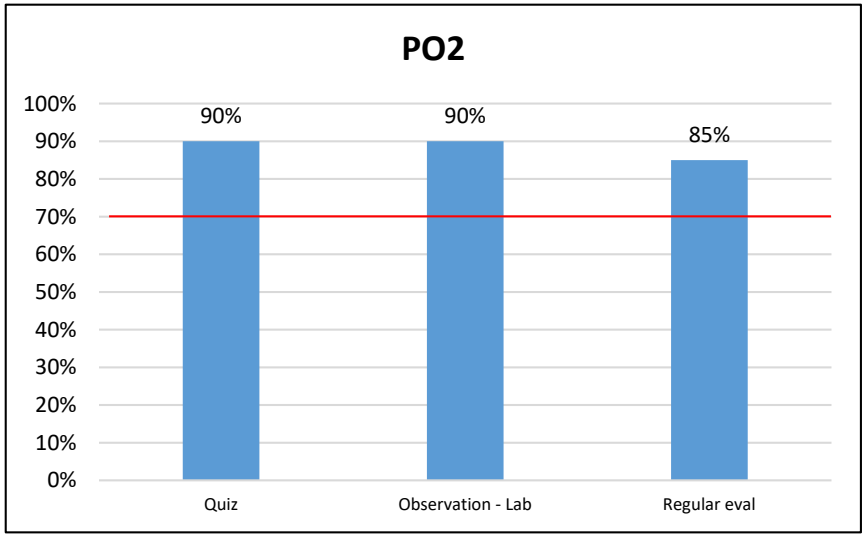
PO4: Demonstrate the skills required to work in the residential and commercial markets.

PO5: Demonstrate the process required to install and maintain a residential HVAC project.

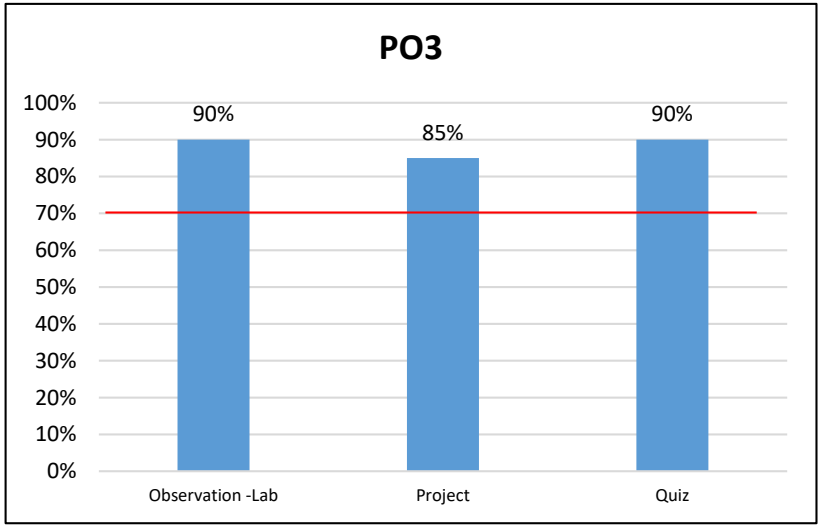
Assessment Data 2018-2019
1054 – Air Conditioning, Refrigeration and Heating Mechanic



PO1: Demonstrate the ability to safely follow rules and regulations to industry standards. *Target: 70% of students will achieve a competency level of 80% or higher.*



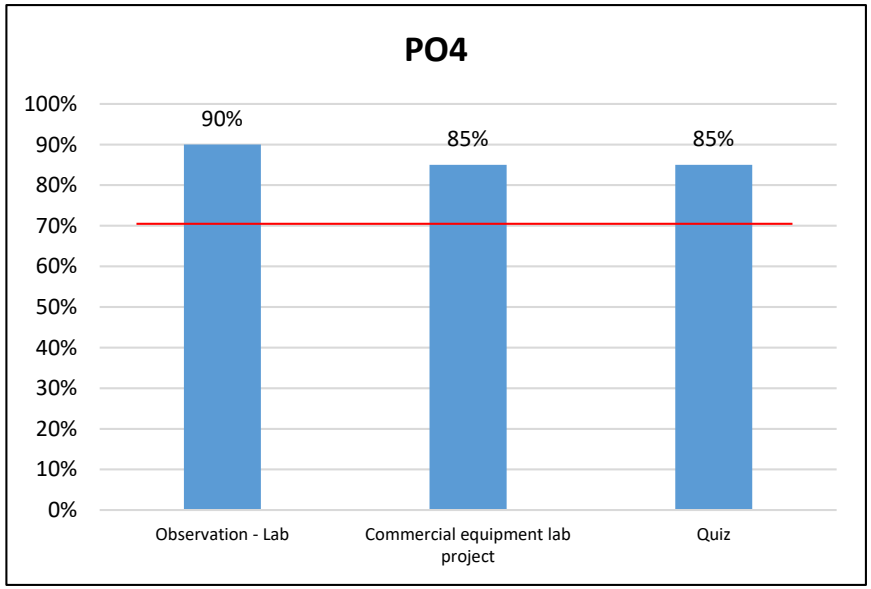
PO2: Use appropriate tools, equipment, material and electrical products used in the industry. *Target: 70% of students will achieve a competency level of 80% or higher.*



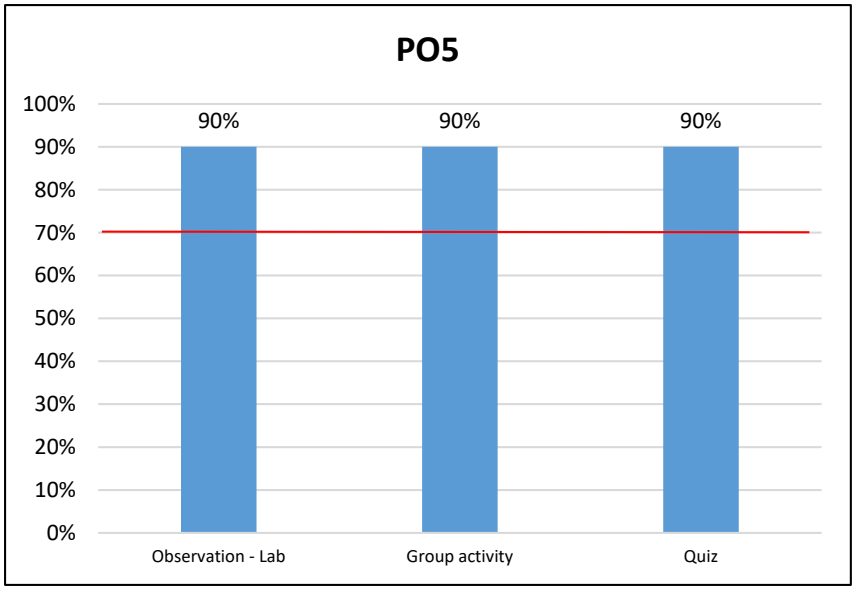
PO3: Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 70% of students will achieve a competency level of 80% or higher.*

Source: School of Education Assessment Reports

Assessment Data 2018-2019
1054 – Air Conditioning, Refrigeration and Heating Mechanic



PO4: Demonstrate the skills required to work in the residential and commercial markets. *Target: 70% of students will achieve a competency level of 80% or higher.*



PO5: Demonstrate the process required to install and maintain a residential HVAC project. *Target: 70% of students will achieve a competency level of 80% or higher.*

Source: School of Education Assessment Reports

1011 - Air Conditioning, Refrigeration, and Heating Tech. Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate the ability to direct safety rules and regulations to industry standards.

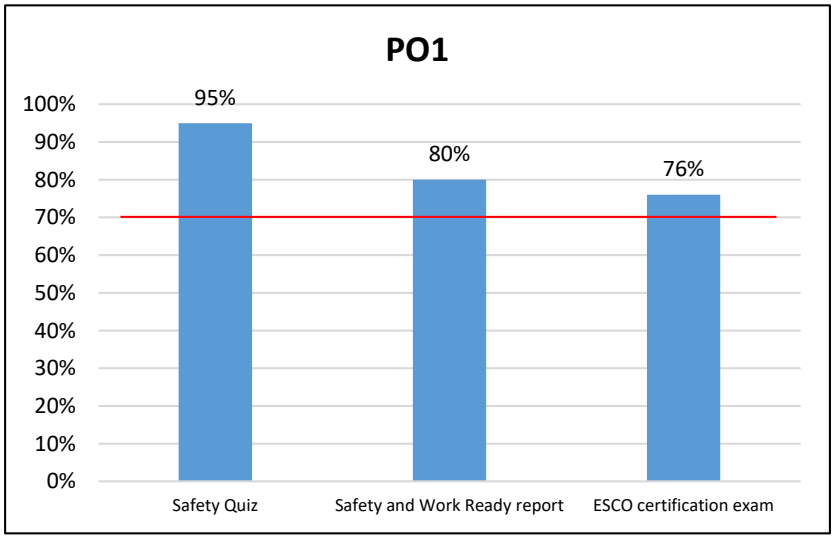
PO2: Use advanced tools, equipment, material and electrical products required in the industry.

PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.

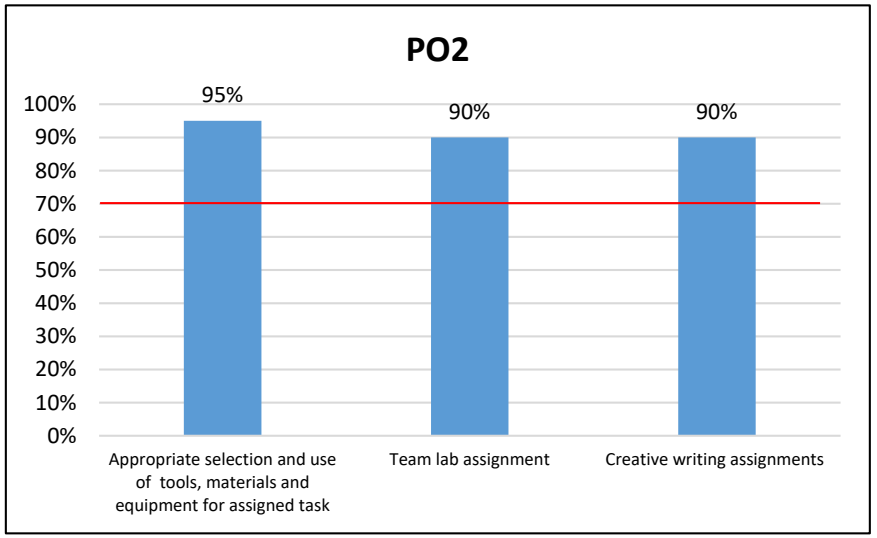
PO4: Demonstrate the skills required in the residential and commercial and markets.

PO5: Demonstrate the process required to install, maintain and service a residential or commercial HVAC project.

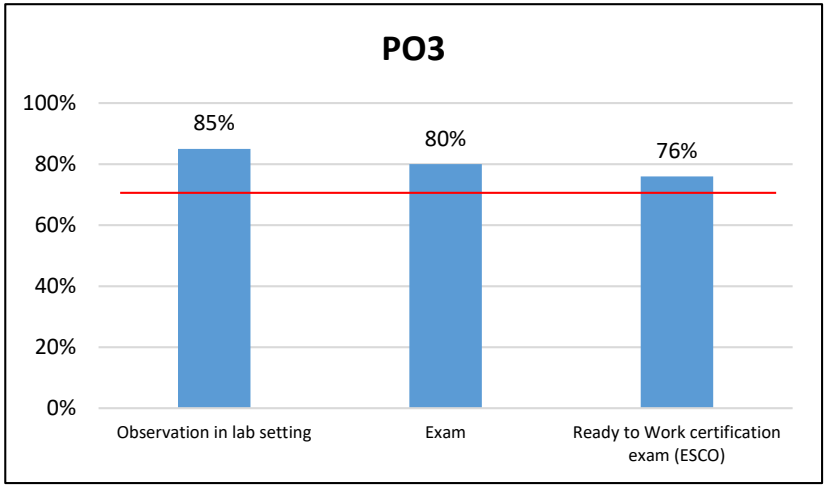
Assessment Data 2018-2019
1011 - Air Conditioning, Refrigeration, and Heating Tech.



PO1: Demonstrate the ability to direct safety rules and regulations to industry standards. *Target: 70% percent of students will achieve 80% higher on the assessments*



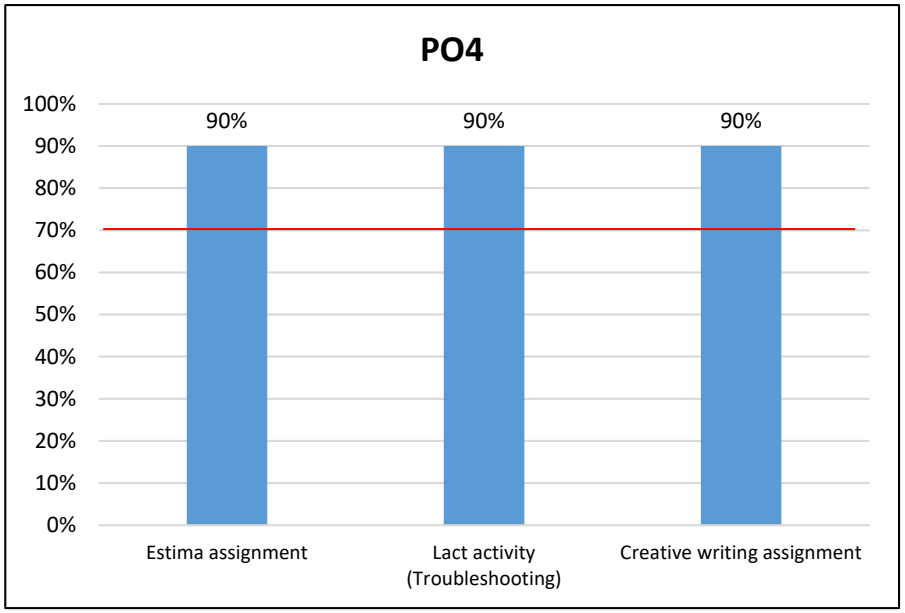
PO2: Use advanced tools, equipment, material and electrical products required in the industry. *Target: 70% percent of students will achieve 80% higher on the assessments*



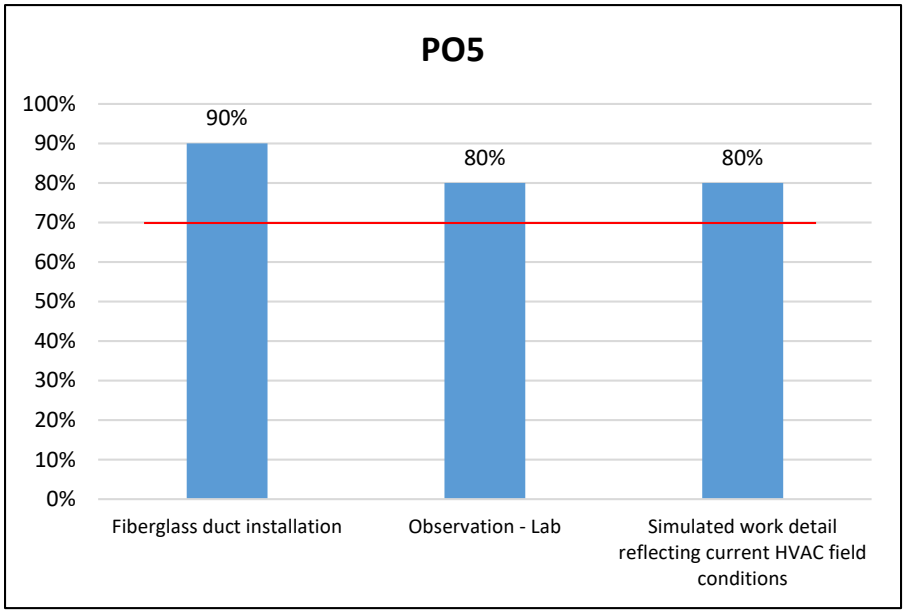
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 70% of students will achieve 80% or higher in all assessment measures.*

Source: School of Education Assessment Reports

Assessment Data 2018-2019
1011 - Air Conditioning, Refrigeration, and Heating Tech.



PO4: Demonstrate the skills required in the residential and commercial and markets. *Target: 70% of students will achieve 80% or higher in all assessment measures.*



PO5: Demonstrate the process required to install, maintain and service a residential or commercial HVAC project. *Target: 70% of the students achieving 70% or higher in all assessment measures*

Source: School of Education Assessment Reports

1211 - Automotive Collision Repair and Refinishing Program Learning Outcomes

Graduates of the program will be able to:

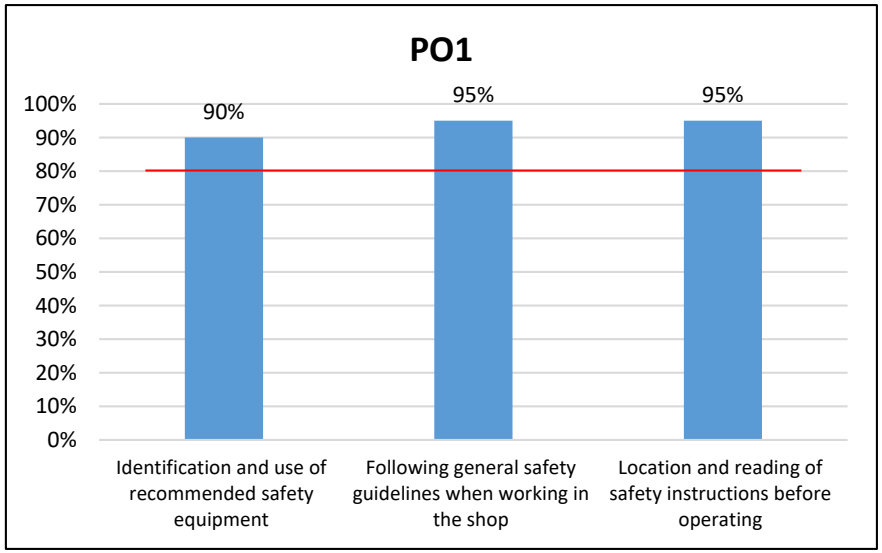
PO1: Demonstrate knowledge and ability to safely follow rules and regulations to I-CAR standards.

PO2: Identify and use different tools, equipment, material and computerized products used in the industry.

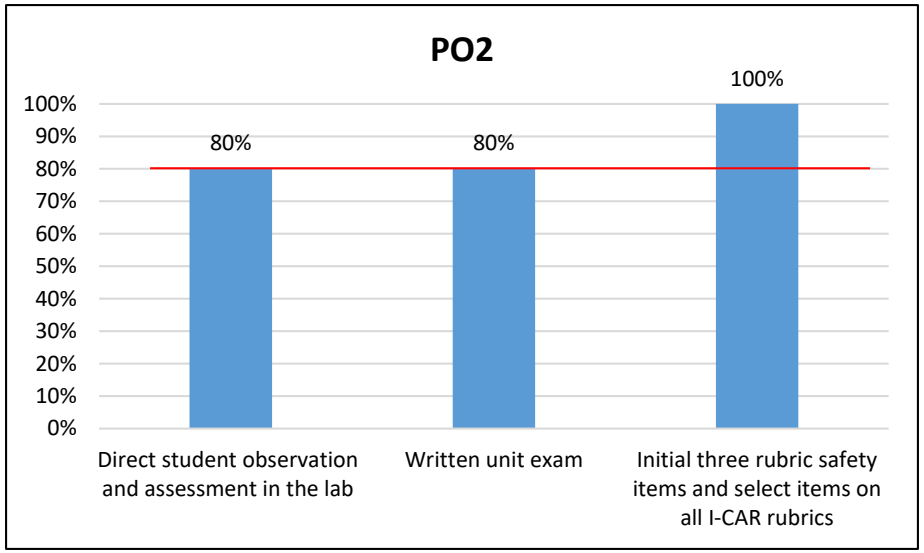
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.

PO4: Demonstrate knowledge and skills of all aspects of collision repair and refinishing.

Assessment Data 2018-2019
1211 - Automotive Collision Repair and Refinishing



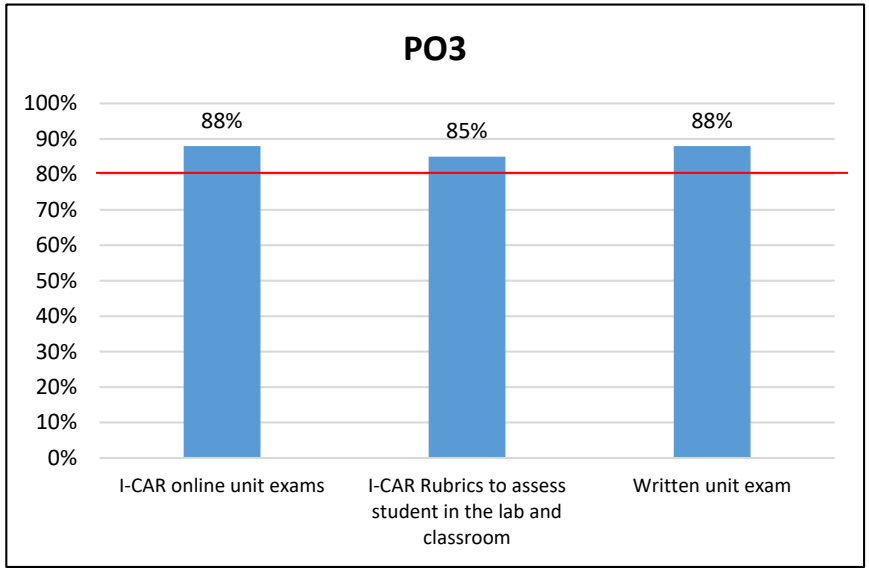
PO1: Demonstrate knowledge and ability to safely follow rules and regulations to I-CAR standards. *Target: 80 % of the students achieved an 80% or better on the I-CAR safety rules and regulations rubric*



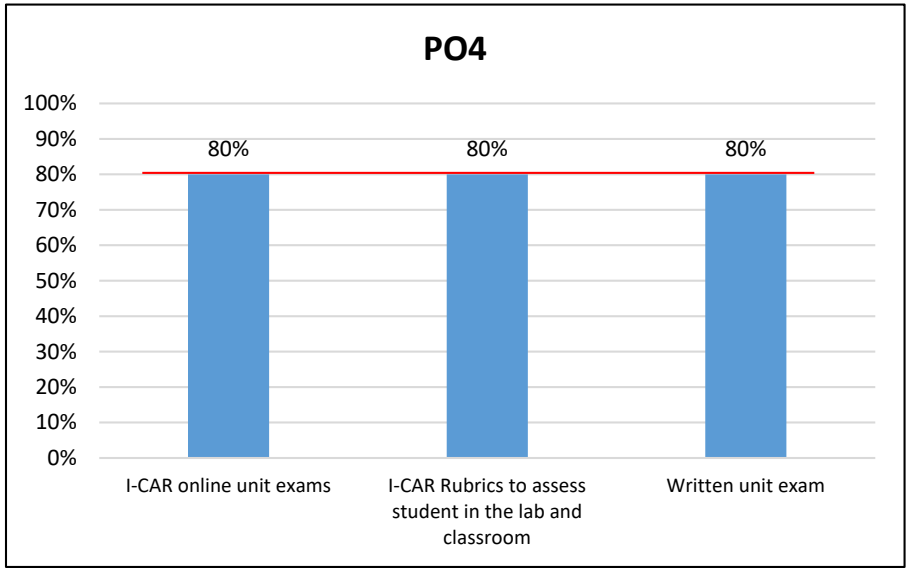
PO2: Identify and use different tools, equipment, material and computerized products used in the industry. *Target: 80% of the students achieved a 80% or better on I-CAR equipment tools and material rubric.*

Source: School of Education Assessment Reports

Assessment Data 2018-2019
1211 - Automotive Collision Repair and Refinishing



PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of the students achieved an 80% or better on several I-CAR theory, application, troubleshooting and safety rubrics.*



PO4: Demonstrate knowledge and skills of all aspects of collision repair and refinishing. *Target: 80% of the students achieved an 80% or better on commercial and industrial I-CAR rubrics.*

Source: School of Education Assessment Reports

1201 - Automotive Service Technology
Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate appropriate employability skills.

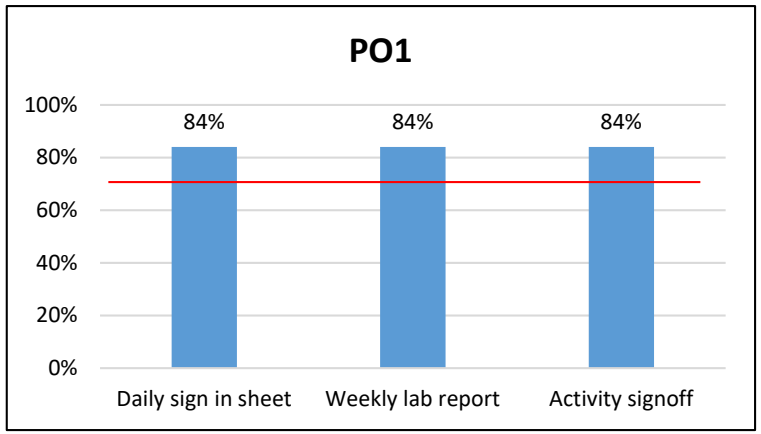
PO2: Safely perform industry light line service procedures as prescribed by Natef.

PO3: Diagnose automotive systems.

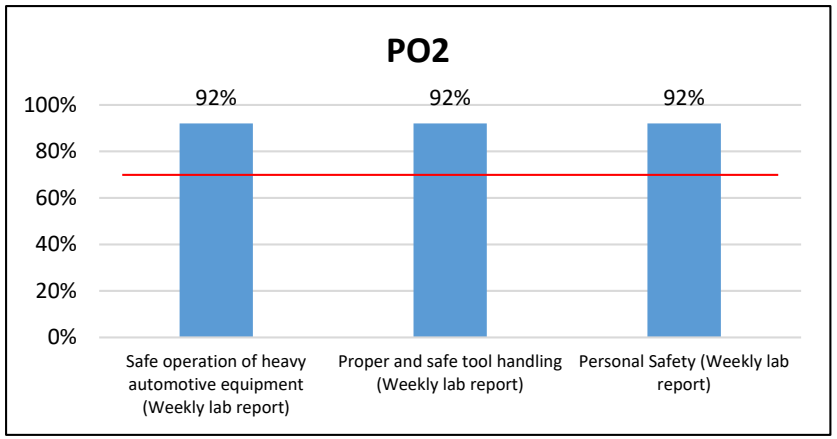
PO4: Service automotive systems.

PO5: Repair automotive systems.

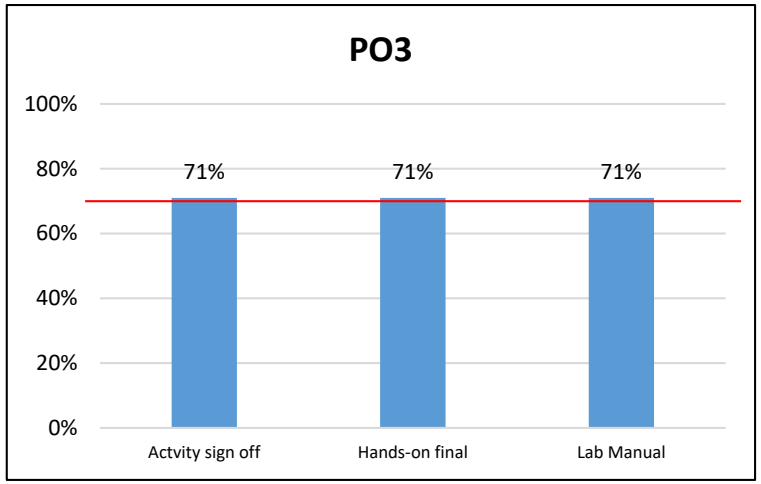
Assessment Data 2018-2019
1201 - Automotive Service Technology



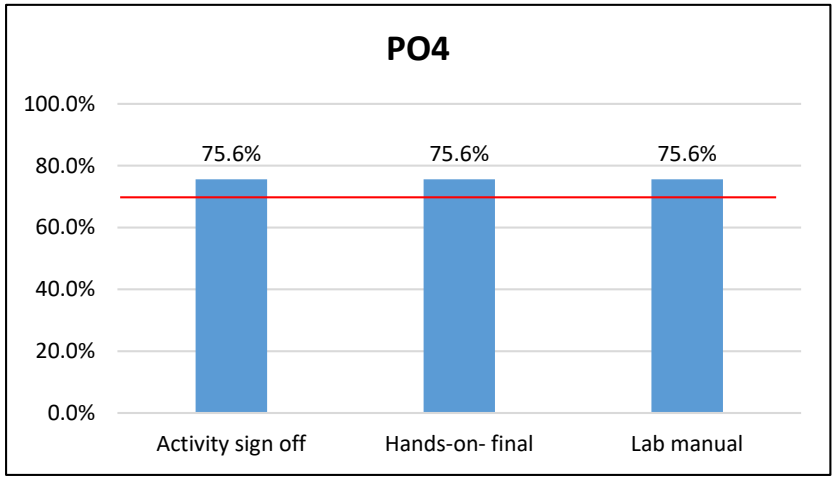
PO1: Demonstrate appropriate employability skills. *Target: 70% of the students must successfully complete all of the assessment measures.*



PO2: Safely perform industry light line service procedures as prescribed by Natef. Target: *70% of the students must successfully complete all of the assessment measures*.

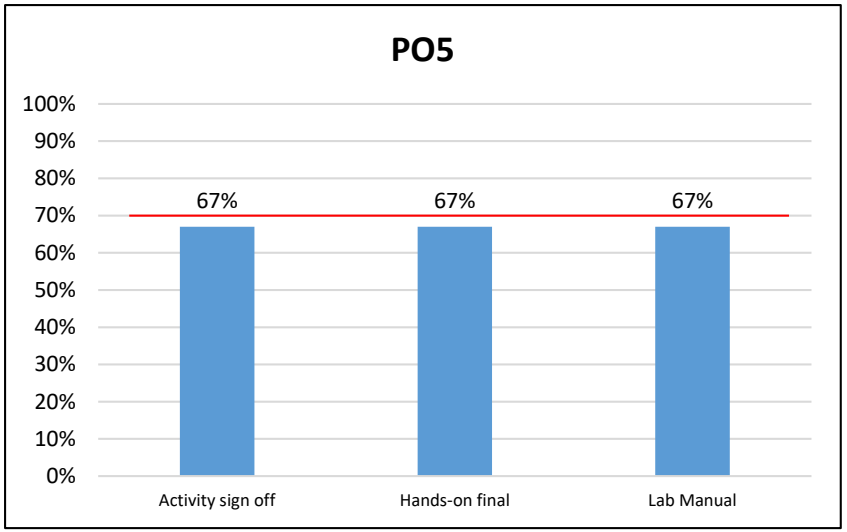


PO3: Diagnose automotive systems. *Target: 70% of the students must successfully complete all of the assessment measures.*



PO4: Service automotive systems. *Target: 70% of the students must successfully complete all of the assessment measures.*

Assessment Data 2018-2019
1201 - Automotive Service Technology



PO5: Repair automotive systems. *Target: 70% of the students must successfully complete all of the assessment measures.*

Source: School of Education Assessment Reports

1202 – Machining
Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate knowledge and ability to safely follow rules and regulations to machining standards.

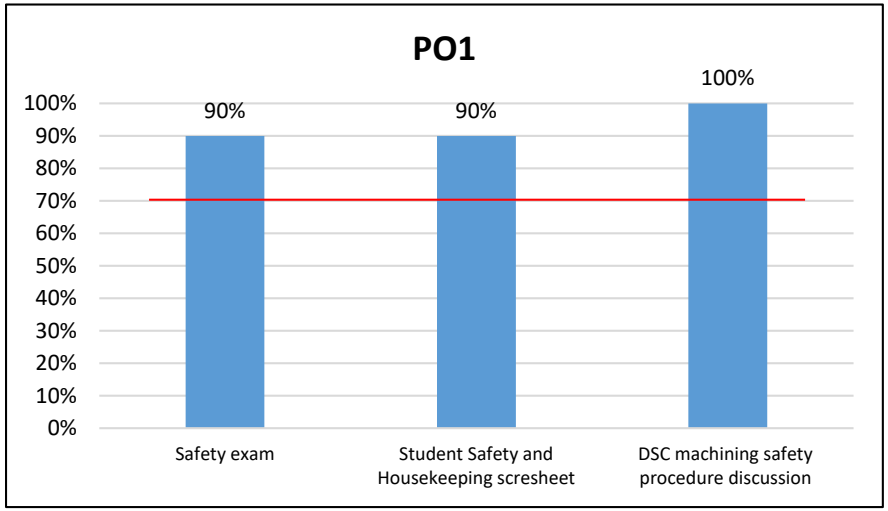
PO2: Utilize appropriate machine tooling, equipment, materials and electrical products common place in the industry.

PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.

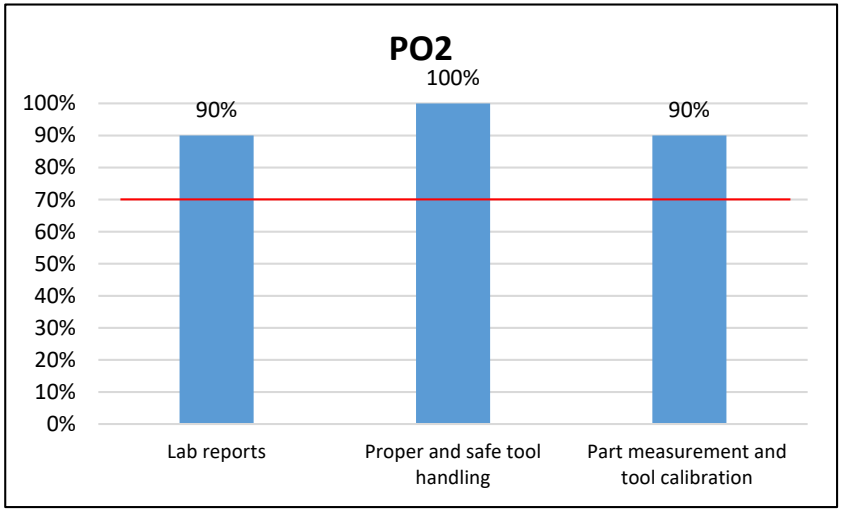
PO4: Demonstrate the required steps to successfully complete projects.

PO5: Demonstrate the skills needed in the commercial and industrial markets.

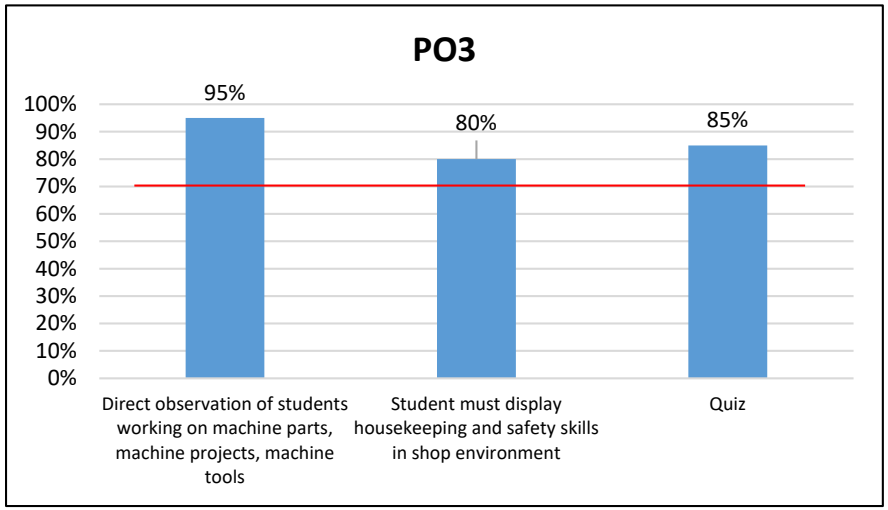
Assessment Data 2018-2019
1202 - Machining



PO1: Demonstrate knowledge and ability to safely follow rules and regulations to machining standards. *Target: 70% of students must score 80% or higher on all assessment measures*



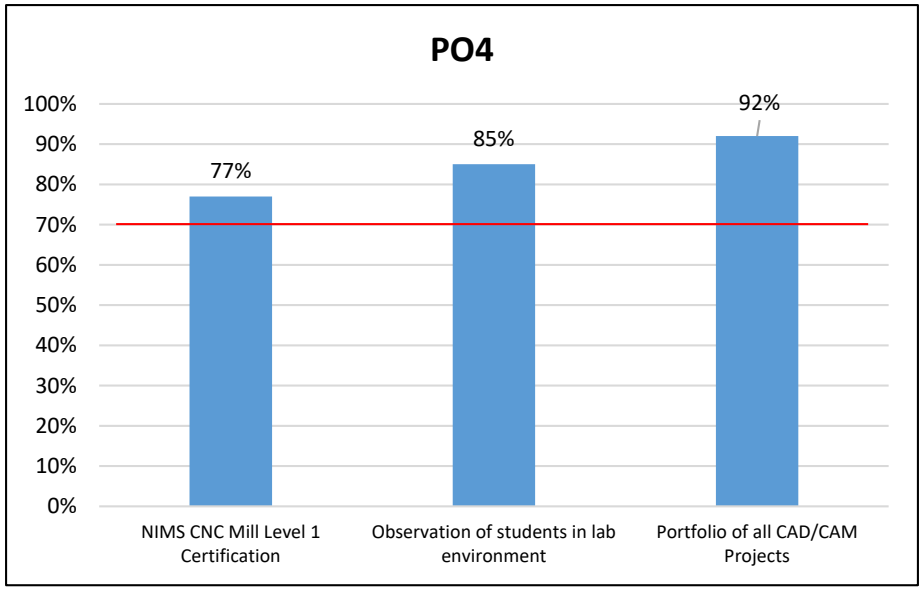
PO2: Utilize appropriate machine tooling, equipment, materials and electrical products common place in the industry. *Target: 70% of the students achieving 80% or higher in all assessment measures*



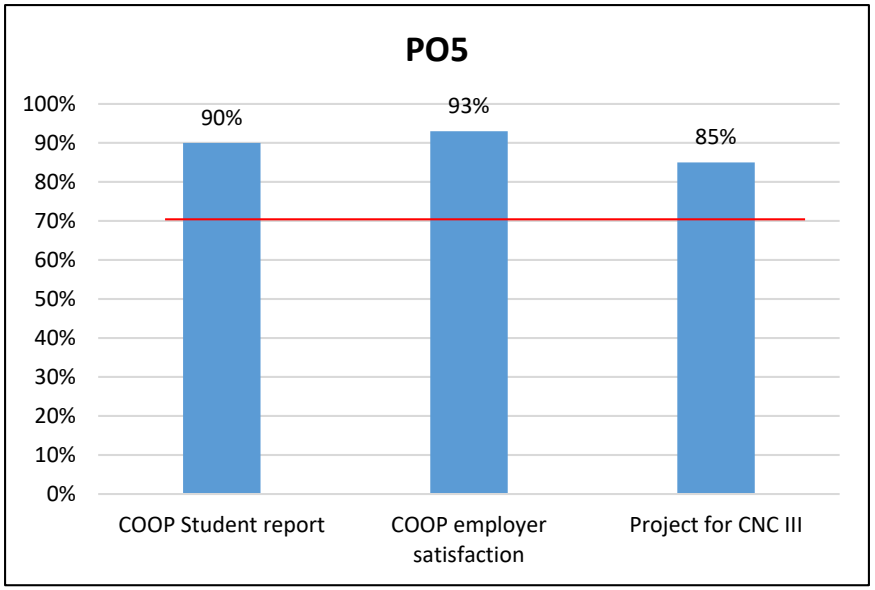
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. Target: *70% of the students achieving 80% or higher in all assessment measures*

Source: School of Education Assessment Reports

Assessment Data 2018-2019
1202 - Machining



PO4: Demonstrate the required steps to successfully complete projects. *Target: 70% of students achieving 80% or higher in all assessment measures*



PO5: Demonstrate the ability to plan and initiate projects in the machining field of work. *Target: 70% of students achieving 80% or higher in all assessment measures*

Source: School of Education Assessment Reports

1033 - Welding Technology - Applied
Program Learning Outcomes

Graduates of the program will be able to:

PO1: Demonstrate knowledge and ability to safely follow rules and regulations to welding certification standards.

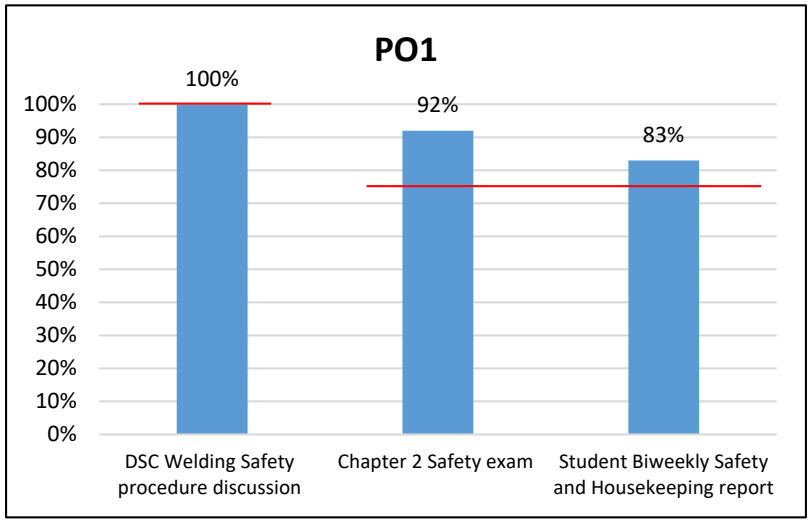
PO2: Use appropriate tools, equipment, material, and electrical products found in industry.

PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.

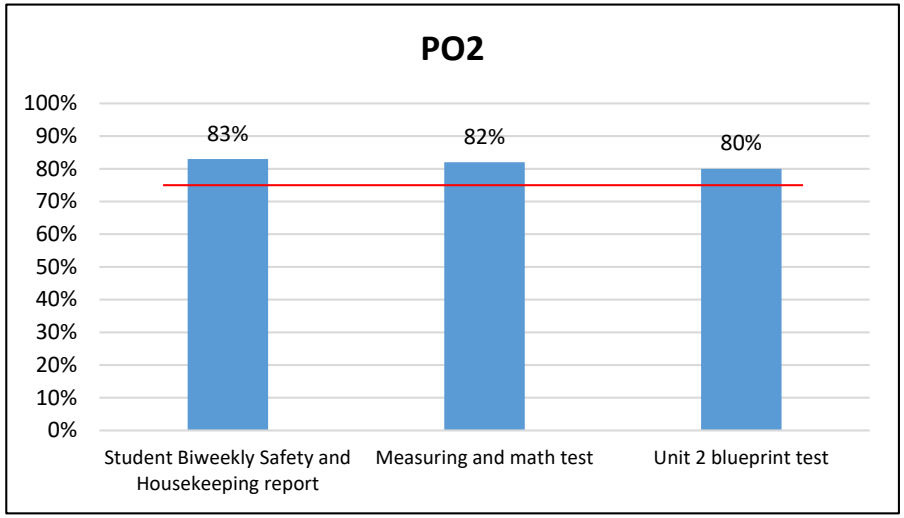
PO4: Demonstrate the skills needed in the commercial and industrial markets.

PO5: Demonstrate the steps needed to initiate and complete a blueprint project.

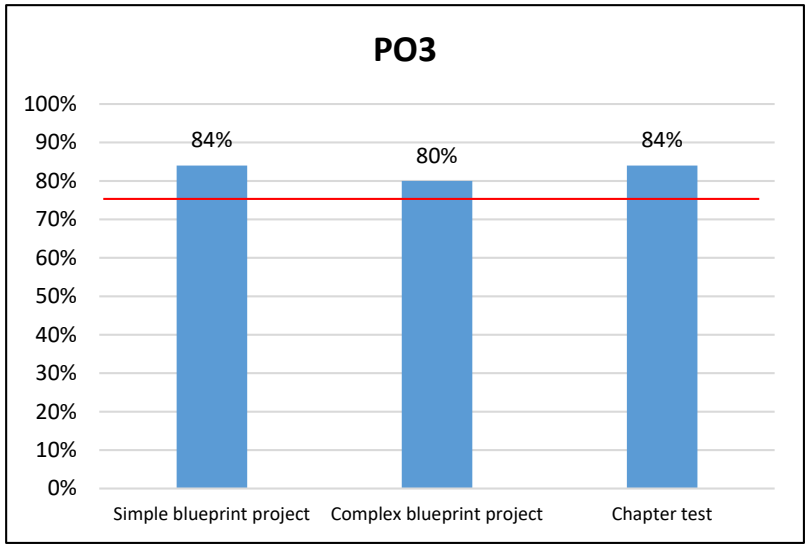
Assessment Data 2018-2019
1033 - Welding Technology - Applied



PO1: Demonstrate the ability to safely follow rules and regulations to welding certification standards. *Target: 100% students discussing and signing the DSC Welding Safety procedure. 75% of students achieving 80% or higher in the Safety exams and Student Biweekly Safety and Housekeeping report*



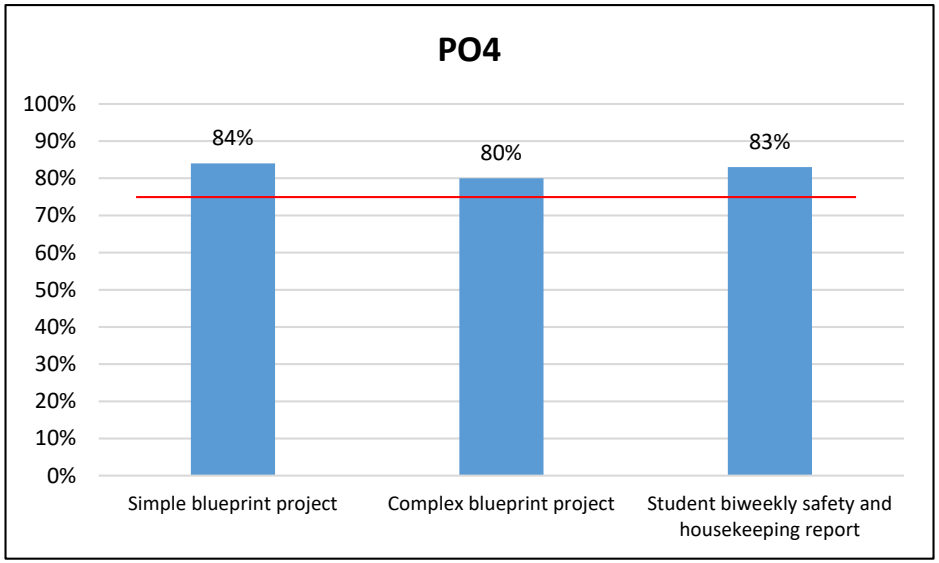
PO2: Use appropriate tools, equipment, material, and electrical products found in industry. *Target: 75% of students achieving 80% or higher in all assessment measures.*



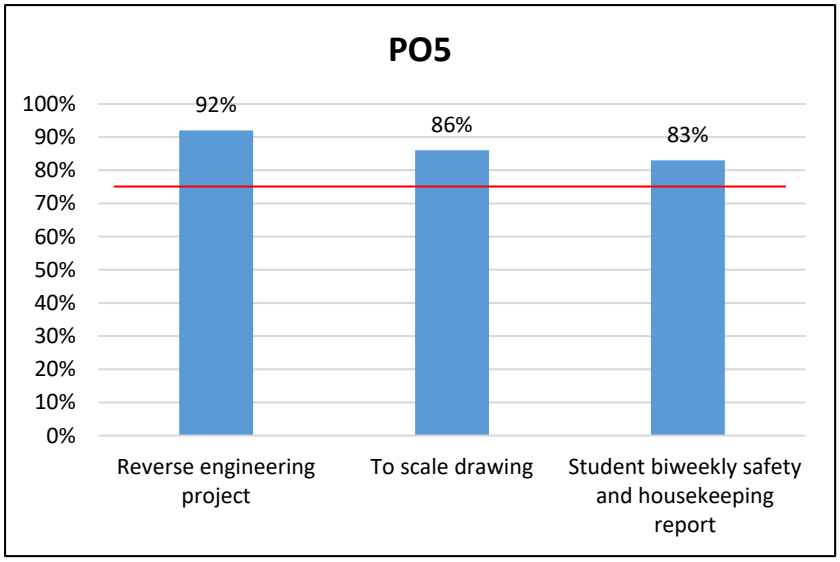
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting. *Target: 75% of students achieving 80% or higher in all assessment measures.*

Source: School of Education Assessment Reports

Assessment Data 2018-2019
1033 - Welding Technology - Applied



PO4: Demonstrate the skills needed in the commercial and industrial markets. *Target: 75% of students achieving 80% or higher in all assessment measures*



PO5: Demonstrate the steps needed to initiate and complete a blueprint project. *Target: 75% of students achieving 80% or higher in all assessment measures*

Source: School of Education Assessment Reports

1209 – Building Trades and Construction Design Tech. Program Learning Outcomes

Graduates of the program will be able to:

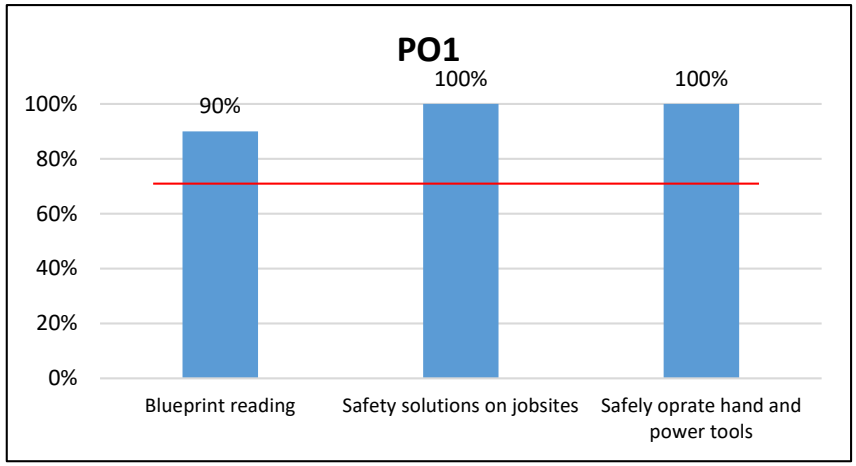
PO1: Demonstrate an understanding of the construction industry and related occupations including but not limited to OSHSA safety practices, selection and use of basic hand and power tools, and understanding of construction related documents.

PO2: Identify/Apply rough and finish carpentry, masonry, electrical, plumbing and air conditioning skills.

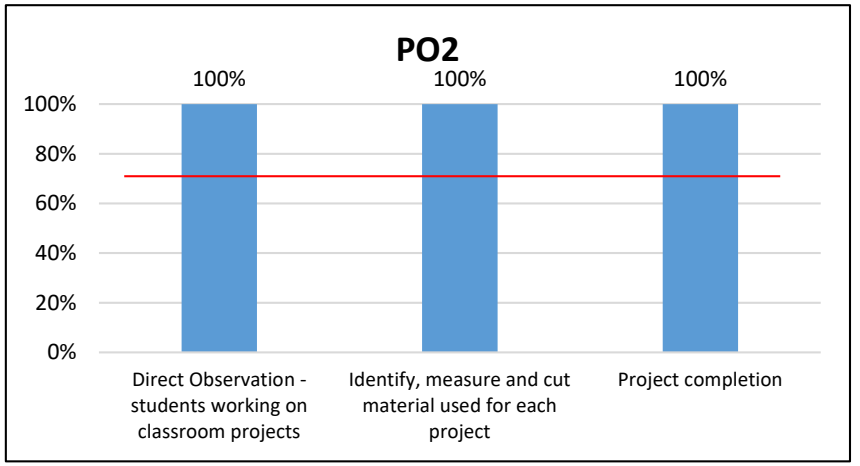
PO3: Develop employability and entrepreneurship skills.

PO4: Demonstrate the ability to plan and implement projects within the construction field.

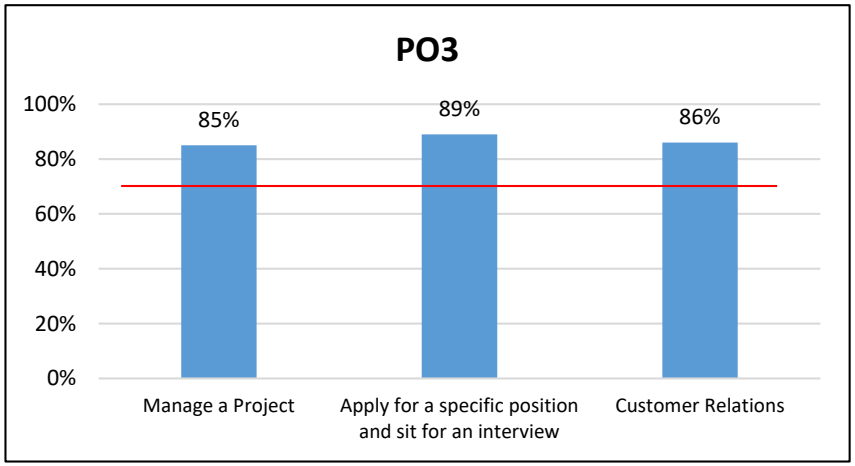
Assessment Data 2018-2019
1209 – Building Trades and Construction Design Tech.



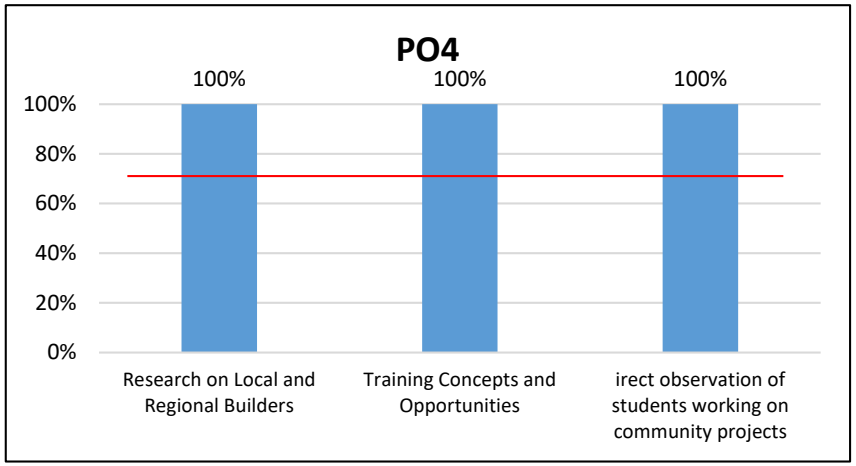
PO1: Demonstrate an understanding of the construction industry and related occupations including but not limited to OSHSA safety practices, selection and use of basic hand and power tools, and understanding of construction related documents. *Target: 70% of students will achieve 80% or higher in all assessment measures.*



PO2: Apply rough and finish carpentry, masonry, electrical, plumbing and air conditioning skills. *Target:70% of students will achieve 80% or higher in all assessment measures.*



PO3: Develop employability and entrepreneurship skills. *Target: 70% of students will achieve 80% or higher in all assessment measures.*

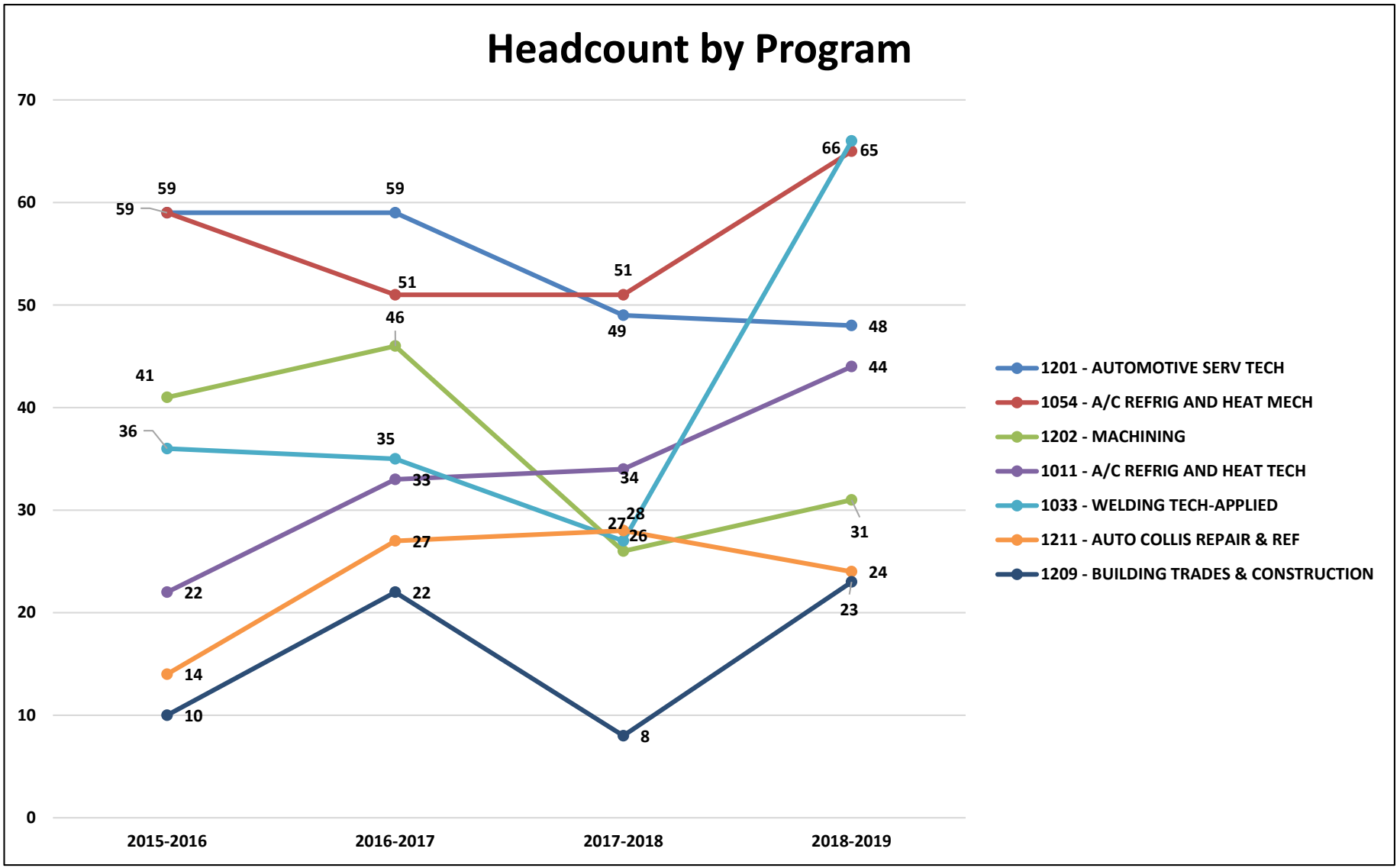


PO4: Demonstrate the ability to plan and implement projects within the construction field. *Target:% of students will achieve 80% or higher in all assessment measures*

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
Air Conditioning, Refrigeration, and Heating Mechanic (1054)	79%-87%	85%-90%	82%-86%	85%-90%	88%-100%	90%	80%-93%	80%-95%
Air Conditioning, Refrigeration, and Heating Technology (1011)	85%-100%	95%	85%-90%	90%-100%	65%-95%	70%-80%	85%-90%	90%
Automotive Collision Repair and Refinishing (1211)	85%-90%	90%	85%-95%	90%	80%-95%	88%-95%	100%	100%
Automotive Service Technology (1201)	89%	84%	89%	84%	89%	84%	89%	84%
Building Trades and Construction Design Technology (1209)	74%-95%	90%-95%	100%	100%	84%-95%	95%	74%-95%	95%-100%
Machining (1202)	75%-90%	80%-90%	73%-90%	78%-90%	65%-100%	75%-100%	70%-94%	77%-92%
Welding Technology – Applied (1033)	77%-92%	83%-92%	77%-92%	80%-92%	77%-92%	80%-92%	75%-92%	80%-92%

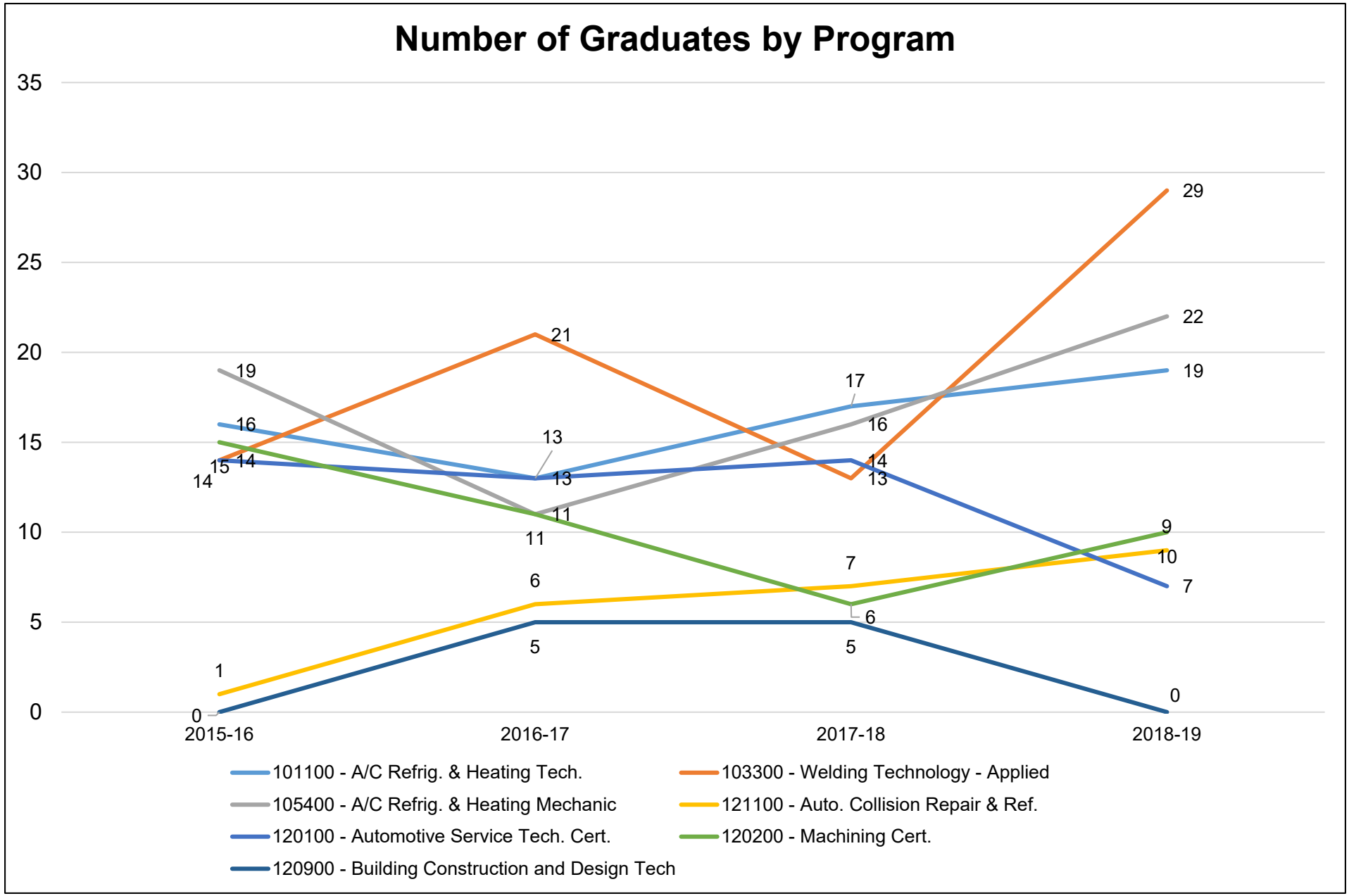
Source: School of Education Assessment Reports



Students are duplicated across programs, unduplicated in the total.

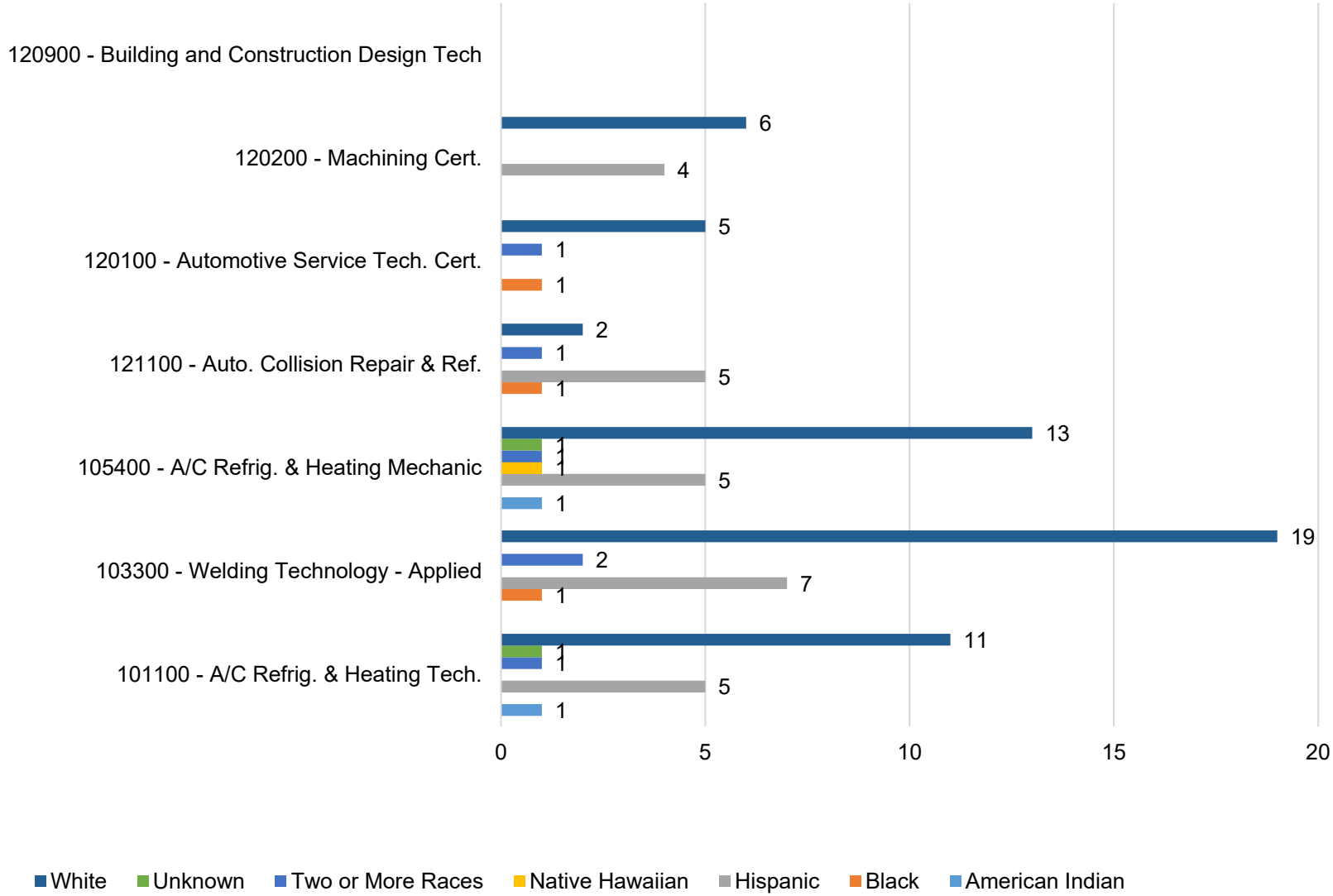
College Enrollment Decreased: 0.7%(14/15); 1.15% (15/16); 3.7%(16/17); 0.7%(17/18)

Source: IR Program Assessment Data



Source: IR Program Assessment Data

2018-2019 Number of Graduates by Race/Ethnicity



Source: IR Program Assessment Data

Graduation Rates

Major	First Fall Term in Major		Graduation			
	Fall Term	# Students	Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1011- A/C Refrig and Heat Mech	FA16	18	7	39%	9	50%
	FA17 – 200% In Progress	12	6	50%	8	67%
	FA18 – In progress	19	2	11%	2	11%
1033- Welding Tech- Applied	FA16	18	14	78%	14	78%
	FA17 – 200% In Progress	25	11	44%	11	44%
	FA18 – In progress	40	28	70%	28	70%
1054- A/C Refrig and Heat Tech	FA16	17	9	53%	9	53%
	FA17 – 200% In Progress	12	4	33%	4	33%
	FA18 – In progress	32	8	25%	8	25%
1211- Auto Collis Repair & Ref	FA16	10	6	60%	6	60%
	FA17 – 200% In Progress	8	5	63%	5	63%
	FA18 – In progress	1	0	0%	0	0%
1201- Automotive Service Tech	FA16	21	0	0%	4	19%
	FA17 – 200% In Progress	13	1	8%	4	31%
	FA18 – In progress	23	0	0%	0	0%
1202- Machining	FA16	22	9	41%	10	45%
	FA17 – 200% In Progress	11	3	27%	4	36%
	FA18 – In progress	14	6	43%	6	43%
1209 – Building Trades and Construction Tech	FA16	16	3	19%	3	19%
	FA17 – 200% In Progress	5	3	60%	3	60%
	FA18 – In progress	12	7	58%	7	58%

College average (150%- 58.3%, 200%- 66.1%)

Fall terms include prior Summer term enrollment in major.

200% Graduation Rate includes graduates in 150% Graduation Rate.

Source: IR Program Assessment Data

Graduation Rates by Race/Ethnicity (1 of 2)

Major	Fall Term	Race/Ethnicity	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1011- A/C Refrig and Heat Mech	FA16	Black	3	1	33%	1	33%
		Hawaii/Pac	2	1	50%	1	50%
		Hispanic	2	1	50%	1	50%
		White	11	4	36%	6	55%
	FA17 – 200% in progress	Hispanic	2	1	50%	2	100%
		Two or More Races	1	0	0%	0	0%
		White	9	5	56%	6	55%
	FA18 – In progress	Black	3	0	0%	0	0%
		Hispanic	6	1	17%	1	17%
		White	10	1	10%	1	10%
1033- Welding Tech-Applied	FA16	Black	2	1	50%	1	50%
		Unknown	1	0	0%	0	0%
		White	15	13	87%	13	87%
	FA17 – 200% in progress	Hispanic	5	4	80%	4	80%
		Unknown	2	1	50%	1	50%
		White	18	6	33%	6	33%
	FA18 – In progress	Black	5	1	20%	1	20%
		Hispanic	7	6	86%	6	86%
		Two or More Races	2	2	100%	2	100%
		White	26	19	73%	19	73%
1054- A/C Refrig and Heat Tech	FA16	Black	3	1	33%	1	33%
		Hispanic	1	1	100%	1	100%
		White	13	7	54%	7	54%
	FA17 – 200% in progress	Black	2	0	0%	0	0%
		Hispanic	3	2	67%	2	67%
		White	7	2	29%	2	29%
	FA18 – In progress	Black	4	0	0%	0	0%
		Hispanic	5	1	20%	1	20%
		Two or More Races	1	0	0%	0	0%
		Unknown	1	0	0%	0	0%
		White	21	7	33%	7	33%

Source: IR Program Assessment Data

Graduation Rates by Race/Ethnicity (2 of 2)

Major	Fall Term	Race/Ethnicity	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1211- Auto Collis Repair & Ref	FA16	Black	4	1	25%	1	25%
		Hispanic	3	2	67%	2	67%
		White	3	3	100%	3	100%
	FA17 – 200% in progress	Hispanic	4	3	75%	3	75%
		Two or More Races	1	1	100%	1	100%
		White	3	1	33%	1	33%
	FA18 – In Progress	Hispanic	1	0	0%	0	0%
1201- Automotive Service Tech	FA16	Black	2	0	0%	1	50%
		Hispanic	5	0	0%	0	0%
		Two or More Races	2	0	0%	0	0%
		White	21	0	0%	3	25%
	FA17 – 200% in progress	Black	2	0	0%	0	0%
		Hispanic	2	0	0%	0	0%
		Two or More Races	1	0	0%	0	0%
		White	8	1	13%	4	50%
	FA18 – In progress	Black	4	0	0%	0	0%
		Hispanic	5	0	0%	0	0%
		Two or More Races	1	0	0%	0	0%
		Unknown	1	0	0%	0	0%
		White	12	0	0%	0	0%
1202- Machining	FA16	Black	1	1	100%	1	100%
		Two or More Races	2	0	0%	0	0%
		White	17	6	35%	7	41%
	FA17 – 200% in progress	Black	1	0	0%	0	0%
		Hispanic	6	2	33%	3	50%
		White	4	1	25%	1	25%
	FA18 – In progress	Black	1	0	0%	0	0%
		Hispanic	1	1	100%	1	100%
		White	12	5	42%	5	42%
1209 – Building Trades and Construction Tech	FA16	Black	12	2	17%	2	17%
		Two or More Races	1	0	0%	0	0%
		White	3	1	33%	1	33%
	FA17 – 200% inn progress	Hispanic	2	1	50%	1	50%
		Two or More Races	1	0	0%	0	0%
		White	2	2	100%	2	100%
	FA18 – In progress	Black	1	1	100%	1	100%
		Hispanic	4	2	50%	2	50%
		Unknown	1	0	0%	0	0%
		White	6	4	67%	4	67%

Graduation Rates by Gender

Major	Fall Term	Gender	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1011- A/C REFRIG AND HEAT TECH	FA16	Male	18	7	39%	9	50%
	FA17 – 200% In progress	Male	12	6	50%	8	67%
	FA18 – In progress	Female	1	0	0%	0	0%
		Male	18	2	11%	2	11%
1033- WELDING TECH-APPLIED	FA16	Female	3	2	67%	2	67%
		Male	15	12	80%	12	80%
	FA17 – 200% in progress	Female	1	1	100%	1	100%
		Male	24	10	42%	10	42%
	FA18 – In progress	Female	3	3	100%	3	100%
		Male	37	25	68%	25	68%
1054- A/C REFRIG AND HEAT MECH	FA16	Male	17	9	53%	9	53%
	FA17 – 200% in progress	Male	12	4	33%	4	33%
	FA18% - In progress	Female	1	1	100%	1	100%
		Male	30	6	20%	6	20%
		Unknown	1	1	100%	1	100%
1211- AUTO COLLIS REPAIR & REF	FA16	Female	2	2	100%	2	100%
		Male	8	4	50%	4	50%
	FA17 – 200% in progress	Female	1	0	0%	0	0%
		Male	7	5	71%	5	71%
	FA18 – In progress	Male	1	0	0%	0	0%
1201- AUTOMOTIVE SERV TECH	FA16	Female	5	0	0%	0	0%
		Male	16	0	0%	4	25%
	FA17 – 200% in progress	Female	1	0	0%	0	0%
		Male	12	1	8%	4	33%
	FA18 – In progress	Female	2	0	0%	0	0%
		Male	21	0	0%	0	0%
1202- MACHINING	FA16	Female	4	2	50%	2	50%
		Male	17	6	35%	7	41%
		Unknown	1	1	100%	1	100%
	FA17 – 200% in progress	Male	10	2	20%	3	30%
		PrefNoAns	1	1	100%	1	100%
	FA18 – In progress	Male	14	6	43%	6	43%
1209 – BUILDING TRADES & CONSTRUCTION TECH	FA16	Female	4	0	0%	0	0%
		Male	12	3	25%	3	25%
	FA17 – 200% in progress	Female	1	1	100%	1	100%
		Male	4	2	50%	2	50%
	FA18 - In progress	Female	2	0	0%	0	0%
		Male	10	7	70%	7	70%

Persistence Rates

Program	Term	Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Retained by College
					N	%	N	%	%
1011- A/C REFRIG AND HEAT TECH	FA16 to SP17	21	4	17	1	6%	9	53%	59%
	FA17 to SP18	19	8	11	0	0%	9	82%	82%
	FA18 to SP19	34	3	31	2	6%	20	65%	71%
1033- WELDING TECH-APPLIED	FA16 to SP17	25	3	22	1	5%	16	73%	77%
	FA17 to SP18	27	0	27	0	0%	21	78%	78%
	FA18 to SP19	41	0	41	0	0%	33	80%	80%
1054- A/C REFRIG AND HEAT MECH	FA16 to SP17	31	9	25	0	0%	16	64%	64%
	FA17 to SP18	24	11	22	0	0%	11	50%	50%
	FA18 to SP19	46	5	39	2	5%	31	76%	81%
1211- AUTO COLLIS REPAIR & REF	FA16 to SP17	16	3	14	1	7%	10	71%	79%
	FA17 to SP18	12	3	12	0	0%	9	75%	75%
	FA18 to SP19	8	1	7	4	57%	0	0%	57%
1201- AUTOMOTIVE SERV TECH	FA16 to SP17	45	10	45	0	0%	35	78%	78%
	FA17 to SP18	37	13	34	2	6%	19	56%	62%
	FA18 to SP19	39	1	38	0	0%	26	68%	68%
1202- MACHINING	FA16 to SP17	31	8	30	2	7%	20	67%	73%
	FA17 to SP18	22	5	20	1	5%	14	70%	75%
	FA18 to SP19	20	0	20	0	0%	15	75%	75%
1209 – BUILDING TRADES & CONSTRUCTION TECH	FA16 to SP17	20	9	17	2	12%	6	35%	47%
	FA17 to SP18	7	1	7	0	0%	6	86%	86%
	FA18 to SP19	14	0	14	1	7%	10	71%	78%

Source: IR Program Assessment Data

Persistence Rates by Race/Ethnicity (1 of 2)

Major	Term	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program #	Retained by Program %
1011- A/C REF2RIG AND HEAT TEC2H	FA16 to SP17	Asian	2	1	1	1	100%
		Black	2	0	2*	1	50%
		Hawaii/Pac	2	0	2	2	100%
		Hispanic	2	1	1	0	0%
		White	13	2	11	5	45%
	FA17 to SP18	Hawaii/Pac	2	1	1	1	100%
		Hispanic	3	0	3	3	100%
		White	14	7	7	5	71%
	FA18 to SP19	American Indian	1	0	1	1	100%
		Black	5	0	5	3	60%
		Hispanic	10	1	9*	6	67%
		Unknown	1	0	1	1	100%
		White	17	2	15*	9	60%
1033- WELDING 2TECH-APPLIED	FA16 to SP17	Black	1	0	1	1	100%
		White	23	3	20*	14	70%
	FA17 to SP18	Hispanic	5	0	5	5	100%
		White	20	0	20	15	75%
	FA18 to SP19	Black	4	0	4	2	50%
		Hispanic	8	0	8	6	75%
		Two or More Races	2	0	2	2	100%
		Unknown	1	0	1	0	0%
		White	26	0	26	23	88%
1054- A/C REFRIG AND HEAT MECH	FA16 to SP17	Black	3	1	2	1	50%
		Hawaii/Pac	2	1	1	1	100%
		Hispanic	1	0	1	1	100%
		White	23	3	20	13	65%
	FA17 to SP18	Black	4	0	4	3	75%
		Hispanic	6	0	6	2	33%
		Two or More Races	1	0	1	0	0%
		White	13	2	11	6	55%
	FA18 to SP19	Black	7	0	7	5	71%
		Hispanic	6	2	4	3	75%
		Two or More Races	2	0	2	1*	50%
		Unknown	1	0	1	1	100%
		White	30	3	27	21*	78%

**one or more students retained by DSC*

Persistence Rates by Race/Ethnicity (2 of 2)

Major	Term	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1211- AUTO COLLIS REPAIR & REF AND HEAT TEC2H	FA16 to SP17	Black	4	0	4	3	75%
		Hispanic	5	0	5	4	80%
		White	7	2	5*	3	60%
	FA17 to SP18	Black	1	0	1	1	100%
		Hispanic	7	0	7	4	57%
		Two or More Races	1	0	1	1	100%
		White	3	0	3	3	100%
	FA18 to SP19	Black	2	0	2*	0	0%
		Hispanic	3	0	3*	0	0%
		White	3	1	2*	0	0%
1201- AUTOMOTIVE SERV TECH	FA16 to SP17	Black	7	0	7	5	71%
		Hispanic	10	0	10	7	70%
		Two or More Races	1	0	1	1	100%
		White	27	0	27	22	81%
	FA17 to SP18	Asian	1	0	1	1	100%
		Black	3	0	3	2	67%
		Hispanic	7	1	6*	1	17%
		Two or More Races	2	0	2	2	100%
		White	23	2	21	13	62%
	FA18 to SP19	Asian	1	0	1	0	0%
		Black	4	0	4	3	75%
		Hispanic	5	0	5	5	100%
		Two or More Races	4	0	4	4	100%
		Unknown	1	0	1	1	100%
		White	24	1	23	13	57%
1202- MACHINING	FA16 to SP17	Black	1	0	1	1	100%
		Hispanic	4	1	3	3	100%
		White	25	0	25*	15	60%
	FA17 to SP18	Black	1	0	1*	0	0%
		Hispanic	6	0	6	6	100%
		White	15	2	13	8	62%
	FA18 to SP19	Black	1	0	1	1	100%
		Hispanic	4	0	4	2	50%
		White	15	0	15	12	80%
1209 – BUILDING TRADES/ CONSTRUCTION TECH	FA16 to SP17	Black	13	0	13*	5	38%
		Two or More Races	1	0	1	1	100%
		White	6	3	3*	0	0%
	FA17 to SP18	Hispanic	2	0	2	2	100%
		Two or More Races	1	0	1	1	100%
		White	4	0	4	3	75%
	FA18 to SP19	Black	1	0	1	1	100%
		Hispanic	4	0	4*	3	75%
		Unknown	2	0	2	1	50%
		White	7	0	7	5	71%

*one or more students retained by DSC

Persistence Rates by Gender

Major	Term	Gender	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						#	%
1011- A/C REF2RIG AND HEAT TEC2H	FA18 to SP19	Female	1	0	1	1	100%
		Male	33	3	30	19	63%
1033- WELDING 2TECH-APPLIED	FA18 to SP19	Female	3	0	3	3	100%
		Male	38	0	38	30	79%
1054- A/C REFRIG AND HEAT MECH	FA18 to SP19	Female	1	0	1	1	100%
		Male	44	5	39	29	74%
		Unknown	1	0	1	1	100%
1211- AUTO COLLIS REPAIR & REF AND HEAT TEC2H	FA18 to SP19	Male	8	1	7	0	0%
1201- AUTOMOTIVE SERV TECH	FA18 to SP19	Female	5	0	5	2	40%
		Male	34	1	33	24	73%
1202- MACHINING	FA18 to SP19	Male	20	0	20	15	75%
1209 – BUILDING TRADES/ CONSTRUCTION TECH	FA18 to SP19	Female	2	0	2	0	0%
		Male	12	0	12	10	83%

Source: IR Program Assessment Data

Placement Rates
(College average: 95.5%)

Program Title	Major(s)	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%	
Air Conditioning, Refrigeration, and Heating Technology	1011, 1054	71%	64%	33%	46%	75%	49%	N/A	54%	85%	59%	***%	64%	$33,376
Automotive Collision Repair and Refinishing	1211	50%	63%	75%	58%	75%	54%	100%	81%	100%	76%	33%	79%	$**,***
Automotive Service Technology	1201	N/A	N/A	67%	71%	75%	66%	100%	85%	***%	83%	83%	80%	$**,***
Machining	1202	N/A	N/A	100%	100%	71%	64%	100%	100%	77%	77%	100%	100%	$**,***
Welding Technology - Applied	1033	46%	61%	56%	52%	33%	55%	67%	66%	***%	68%	93%	68%	$41,180
Building Trades and Construction Technology	1209									New Program		33%	33%	$**,***

Source: Florida Education Training Placement Information Program (FETPIP)

N/A - No placement data for the program.
(****), ($**,***), or (***%) - Number of graduates less than 10 but greater than 0 suppressed.

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 (1 of 3)

Major and Associated Courses with Instructional Method		2015-2016		2016-2017		2017-2018		2018-2019	
		# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1054 and 1011- A/C, Refrigeration & Heating Tech	ACR0001C	40	80%	40	68%	42	88%	63	95%
	ACR0002C	36	78%	35	69%	38	89%	63	97%
	ACR0061C	28	86%	30	83%	28	96%	32	100%
	ACR0062C	26	81%	30	77%	29	90%	33	91%
	ACR0100C	42	79%	42	76%	46	80%	64	97%
	ACR0102C	40	65%	39	62%	39	90%	64	95%
	ACR0150C	25	100%	32	91%	24	71%	62	81%
	ACR0205C	28	50%	31	77%	27	85%	34	100%
	ACR0506C	25	100%	32	84%	21	95%	54	81%
	ACR0600C	18	89%	25	88%	17	94%	28	93%
	ACR0601C	19	84%	26	85%	17	94%	28	100%
	ACR0741C	27	96%	32	78%	26	54%	61	70%
	ACR0742C	18	78%	28	93%	16	100%	28	96%
	ACR0815C	18	94%	24	83%	17	94%	26	96%
	ACR0850C	25	96%	33	82%	23	87%	58	83%
	Major	415	82%	570	79%	410	86%	698	90%
1033- Welding Technology at Daytona	PMT0106C	19	100%	19	100%	27	96%	67	88%
	PMT0109C	18	72%	19	95%	26	100%	64	88%
	PMT0121C	22	82%	19	89%	26	92%	62	90%
	PMT0131C	15	100%	29	86%	22	91%	34	97%
	PMT0134C	23	96%	18	100%	23	96%	35	94%
	PMT0154C	21	90%	19	89%	26	88%	59	88%
	PMT0161C	23	100%	19	93%	23	87%	35	100%
	PMT0171C	15	93%	27	96%	20	90%	33	94%
	PMT0290	18	94%	15	100%	9	100%		
	Major	174	92%	210	93%	202	93%	389	91%

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 Rates (2 of 3)

Major and Associated Courses with Instructional Method		2015-2016		2016-2017		2017-2018		2018-2019	
		# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1211 Automotive Collision Repair & Refinishing ATC	ARR0121C	8	88%*	16	94%	12	100%	12	83%
	ARR0122C	14	93%*	15	73%	16	94%	9	78%
	ARR0123C			11	91%	13	100%	14	93%
	ARR0241C	8	88%*	16	94%	13	100%	12	83%
	ARR0242C	14	93%*	15	67%	16	94%	9	78%
	ARR0243C			11	91%	13	100%	14	93%
	ARR0244C			11	91%	13	100%	10	90%
	ARR0381C	7	71%*	16	94%	12	100%	12	83%
	ARR0382C	13	92%*	15	73%	16	88%	9	78%
	ARR0949			3	100%			3	100%
	Major	64	89%	162	86%	124	97%	104	86%
1201- Automotive Service Technology ATC	AER0014C	21	95%	22	82%	17	94%	22	73%
	AER0110C	21	86%	22	91%	14	86%	17	65%
	AER0172C	20	90%	21	90%	19	74%	17	82%
	AER0257C	23	87%*	21	90%*	18	67%	20	85%
	AER0274C	24	88%*	24	79%*	15	87%	18	83%
	AER0360C	24	79%*	19	89%*	18	78%	18	67%
	AER0418C	21	95%	20	85%	15	93%	18	72%
	AER0453C	20	90%	21	76%	12	100%	17	76%
	AER0503C	23	57%*	25	64%*	15	67%	17	76%
	Major	197	85%	195	83%	143	82%	164	76%

*Lecture in the past

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 Rates (3 of 3)

Major and Associated Courses with Instructional Method		2015-2016		2016-2017		2017-2018		2018-2019	
		# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1202 Machining	PMT0211C	14	93%	23	91%	34	79%	19	89%
	PMT0215C	11	100%	19	95%	34	68%	19	89%
	PMT0251C	35	83%	20	90%	28	82%	24	92%
	PMT0255C	15	93%	30	87%	26	85%	21	95%
	PMT0260C	17	100%	8	88%	18	100%	27	100%
	PMT0265C	16	94%	26	85%	17	88%	27	96%
	PMT0720C	21	100%	24	88%	13	92%	12	100%
	TDR0304C	11	100%	23	82%	15	93%	24	92%
	PMT0720C			1	100%			22	91%
	Major	140	94%	174	89%	185	83%	195	94%
1209 Building Trades and Construction Tech.	BCV0080L			15	47%	15	93%	20	85%
	BCV0081			8	88%	7	71%	13	100%
	BCV0082L			13	77%	7	71%	15	93%
	BCV0084L			13	77%	7	71%	13	100%
	Major			54	72%	36	81%	61	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

Course Success Rates by Race/Ethnicity (1 of 4)

Program, Courses, & Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
1054 & 1011 - A/C, Refrigeration & Heating	399	86%	698	90%
ACR0001C	39	87%	63	95%
Black	4	75%	9	89%
Hispanic	6	100%	13	100%
Two or More Races	1	100%	2	100%
Unknown			2	100%
White	26	88%	37	95%
ACR0002C	36	89%	63	97%
Black	4	75%	9	89%
Hispanic	6	100%	13	100%
Two or More Races	1	100%	2	100%
Unknown			2	100%
White	24	88%	37	97%
ACR0061C	28	96%	32	100%
Am. Ind			1	100%
Black	3	67%	3	100%
Hispanic	3	100%	6	100%
Two or More Races	1	100%	1	100%
Unknown			1	100%
White	19	100%	20	100%
ACR0062C	29	90%	33	91%
Am. Ind			1	100%
Black	3	67%	3	67%
Hispanic	4	75%	6	100%
Two or More Races	1	0%	1	100%
Unknown			1	100%
White	18	100%	21	90%
ACR0100C	43	79%	64	97%
Black	6	67%	9	100%
Hispanic	8	75%	14	86%
Two or More Races	1	0%	2	100%
Unknown			2	100%
White	27	85%	37	100%

Program, Courses, & Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
ACR0102C	36	92%	64	95%
Black	4	75%	9	89%
Hispanic	6	100%	14	93%
Two or More Races	1	100%	2	100%
Unknown			2	100%
White	24	92%	37	97%
ACR0150C	24	71%	62	81%
Am. Ind.			1	100%
Black	3	67%	8	50%
Hispanic	6	83%	11	91%
Two or More Races	1	100%	3	0%
Unknown			2	100%
White	14	64%	37	89%
ACR0205C	27	85%	34	100%
Am. Ind.			1	100%
Black	3	33%	4	100%
Hispanic	3	67%	6	100%
Two or More Races	1	100%	1	100%
Unknown			1	100%
White	18	94%	21	100%
ACR0506C	21	95%	54	81%
Am. Ind.			1	100%
Black	2	100%	6	67%
Hispanic	5	100%	11	73%
Two or More Races	1	100%	2	50%
Unknown			1	100%
White	13	92%	33	88%
ACR0600C	17	94%	28	93%
Am. Ind.			1	100%
Black			2	100%
Hispanic	3	67%	5	100%
Two or More Races			1	100%
Unknown			1	100%
White	12	100%	18	89%
ACR0601C	17	94%	28	100%
Am. Ind.			1	100%
Black			2	100%
Hispanic	3	67%	5	100%
Two or More Races			1	100%
Unknown			1	100%
White	12	100%	18	100%

Course Success Rates by Race/Ethnicity (2 of 4)

Program, Courses, & Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
ACR0741C	26	54%	61	70%
Am. Ind.			1	100%
Black	4	50%	7	43%
Hispanic	6	67%	11	64%
Two or More Races	1	0%	3	33%
Unknown			2	50%
White	14	57%	37	81%
ACR0742C	16	100%	28	96%
Am. Ind.			1	100%
Black			2	100%
Hispanic	3	100%	5	100%
Two or More Races			1	100%
Unknown			1	100%
White	12	100%	18	94%
ACR0815C	17	94%	26	96%
Am. Ind.			1	100%
Black			2	100%
Hispanic	3	67%	5	100%
Two or More Races			1	100%
Unknown			1	100%
White	12	100%	16	94%
ACR0850C	23	87%	58	83%
Am. Ind.			1	100%
Black	4	50%	7	57%
Hispanic	5	100%	11	82%
Two or More Races	1	100%	2	0%
Unknown			2	100%
White	13	92%	35	91%
1033 - Welding Tech	194	93%	389	91%
PMT0106C	26	96%	67	88%
Black			4	75%
Hispanic	5	100%	9	89%
Two or More Races			2	100%
Unknown			1	0%
White	21	95%	51	90%
PMT0109C	25	100%	64	88%
Black			5	40%
Hispanic	5	100%	8	100%
Two or More Races			2	100%
White	20	100%	49	90%

Program, Courses, & Race/Ethnicity	2017-2018		2018-2019	
	# Enrolled Students	Success Rate	# Enrolled Students	Success Rate
PMT0121C	25	92%	62	90%
Black			5	60%
Hispanic	5	100%	8	100%
Two or More Races			2	100%
White	20	90%	47	91%
PMT0131C	21	90%	34	97%
Black			2	100%
Hispanic	5	100%	6	100%
Two or More Races			2	100%
White	16	88%	24	96%
PMT0134C	22	95%	35	94%
Black			2	100%
Hispanic	5	100%	6	100%
Two or More Races			2	100%
White	17	94%	25	92%
PMT0154C	25	88%	59	88%
Black			4	75%
Hispanic	5	100%	8	88%
Two or More Races			2	100%
White	20	85%	45	89%
PMT0161C	22	86%	35	100%
Black			2	100%
Hispanic	5	100%	6	100%
Two or More Races			2	100%
White	17	82%	25	100%
PMT0171C	19	89%	33	94%
Black			2	100%
Hispanic	5	100%	6	100%
Two or More Races			2	100%
White	14	86%	23	91%
1211 – Auto Coll/Rep/Ref	124	97%	104	86%
ARR0121C	12	100%	12	83%
Black	1	100%	2	100%
Hispanic	7	100%	7	86%
White	3	100%	3	67%
ARR0122C	16	94%	9	78%
Black	4	100%	2	50%
Hispanic	6	83%	5	100%
White	5	100%	2	50%
ARR0123C	13	100%	14	93%
Black	1	100%	3	100%
Hispanic	8	100%	5	100%
Two or More Races			1	100%
White	4	100%	5	80%

Course Success Rates by Race/Ethnicity (3 of 4)

Program, Courses, & Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
1211 – Auto Coll/Rep/Ref	124	97%	104	86%
ARR0241C	13	100%	12	83%
Black	2	100%	2	100%
Hispanic	7	100%	7	86%
White	3	100%	3	67%
ARR0242C	16	94%	9	78%
Black	4	100%	2	50%
Hispanic	6	83%	5	100%
White	5	100%	2	50%
ARR0243C	13	100%	14	93%
Black	1	100%	3	100%
Hispanic	8	100%	5	100%
Two or More Races			1	100%
White	4	100%	5	80%
ARR0244C	13	100%	10	90%
Black	1	100%	2	100%
Hispanic	8	100%	3	100%
Two or More Races			1	100%
White	4	100%	4	75%
ARR0381C	12	100%	12	83%
Black	1	100%	2	100%
Hispanic	7	100%	7	86%
White	3	100%	3	67%
ARR0382C	16	88%	9	78%
Black	4	100%	2	50%
Hispanic	6	83%	5	100%
White	5	80%	2	50%
ARR0949			3	100%
Hispanic/Latino			2	100%
White			1	100%
1201 - Automotive Service Tech	140	81%	164	76%
AER0014C	16	94%	22	73%
Black			2	50%
Hispanic	4	75%	3	100%
Two or More Races	1	100%	2	100%
Unknown			1	0%
White	10	100%	14	71%

Program, Courses, & Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
1201 - Auto Service Tech	140	81%	164	76%
AER0110C	14	86%	17	65%
Asian			1	100%
Black	3	67%	1	100%
Hispanic	1	0%	2	50%
Two or More Races	1	100%	2	100%
White	9	100%	11	55%
AER0172C	19	74%	17	82%
Asian			1	100%
Black	3	67%	1	100%
Hispanic	2	50%	2	50%
Two or More Races	1	100%	2	100%
White	13	77%	11	82%
AER0257C	18	67%	20	85%
Asian			3	100%
Black	3	67%	2	50%
Two or More Races	3	100%	2	100%
White	12	58%	13	85%
AER0274C	14	86%	18	83%
Black	2	50%	2	50%
Hispanic	2	50%	4	75%
Two or More Races	1	100%	2	100%
Unknown			1	0%
White	8	100%	9	100%
AER0360C	18	78%	18	67%
Black	3	67%	2	50%
Hispanic			3	33%
Two or More Races	3	100%	2	100%
White	12	75%	11	73%
AER0418C	15	93%	18	72%
Black			2	50%
Hispanic	3	67%	3	100%
Two or More Races	1	100%	2	100%
Unknown			1	0%
White	10	100%	10	70%
AER0453C	12	100%	17	76%
Asian			1	100%
Black	2	100%	1	0%
Hispanic			2	0%
Two or More Races	1	100%	2	100%
White	9	100%	11	91%

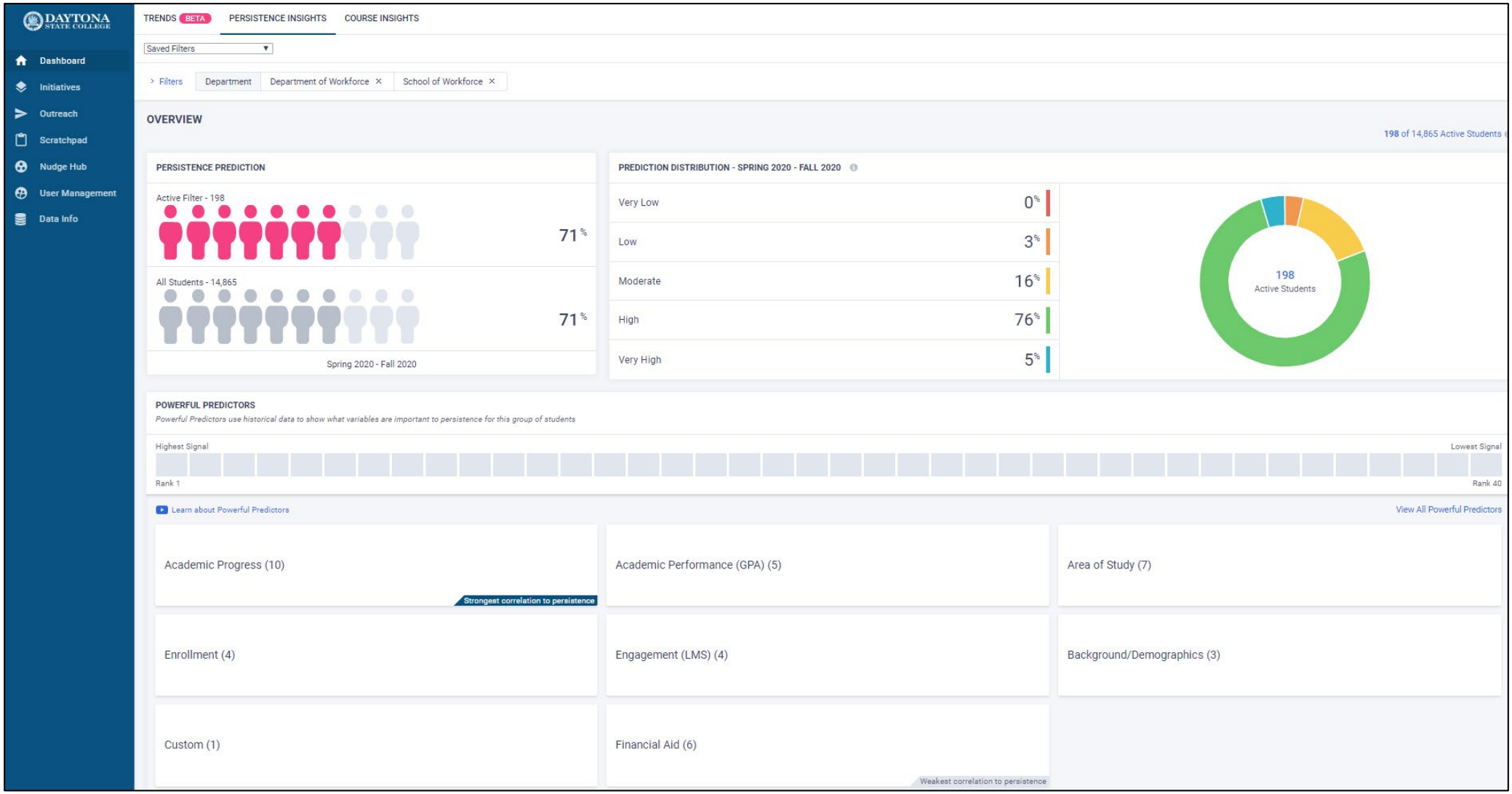
Course Success Rates by Race/Ethnicity (4 of 4)

Program, Courses, & Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
1201 - Auto Service Tech	140	81%	164	76%
AER0503C	14	64%	17	76%
Black	1	0%	3	67%
Hispanic	2	50%	4	75%
Two or More Races	1	100%	1	100%
Unknown			1	0%
White	9	67%	8	88%
1202 - Machining	183	84%	195	94%
PMT0211C	34	79%	19	89%
Black	2	100%	3	100%
Hispanic	8	100%	3	67%
White	24	71%	13	92%
PMT0215C	34	68%	19	89%
Black	2	100%	3	100%
Hispanic	9	67%	3	67%
White	23	65%	13	92%
PMT0251C	27	81%	24	92%
Black	3	67%	3	100%
Hispanic	8	100%	3	67%
White	16	75%	18	94%
PMT0255C	25	88%	21	95%
Black	3	67%	3	100%
Hispanic	8	100%	2	50%
White	14	86%	16	100%
PMT0260C	18	100%	27	100%
Black			4	100%
Hispanic	7	100%	2	100%
Two or More Races			2	100%
White	11	100%	19	100%
PMT0265C	17	88%	27	96%
Black			4	75%
Hispanic	6	100%	2	100%
Two or More Races			2	100%
White	11	82%	19	100%
PMT0290			12	100%
Hispanic/Latino			2	100%
Two or More Races			1	100%
White			9	100%
PMT0720C	13	92%	24	92%
Black			4	75%
Hispanic	6	100%	2	100%
Two or More Races			2	100%
White	7	86%	16	94%
TDR0304C	15	93%	22	91%
Black			4	75%
Hispanic	5	100%	2	100%
Two or More Races			2	100%
Unknown			1	100%
White	10	90%	13	92%
1209 - Building Trades and Construction Tech	36	81%	61	93%
BCV0080L	15	93%	20	85%
Black	2	100%	3	100%
Hispanic	3	100%	5	100%
Unknown			1	100%
White	9	100%	11	73%
BCV0081L	7	71%	13	100%
Black			3	100%
Hispanic	2	100%	3	100%
Unknown			1	100%
White	4	75%	6	100%
BCV0082L	7	71%	15	93%
Black			4	75%
Hispanic	2	100%	3	100%
Unknown			1	100%
White	4	75%	7	100%
BCV0084L	7	71%	13	100%
Black			3	100%
Hispanic	2	100%	3	100%
Unknown			1	100%
White	4	75%	6	100%
Grand Total	1076	87%	1611	89%

Program Success Rates by Race/Ethnicity

Program, Courses, & Race/Ethnicity	2018-2019	
	Enrolled	Success Rate
1054 & 1011 - A/C, Refrigeration & Heating Tech	698	90%
American Indian/Alas	11	100%
Black	82	79%
Hispanic/Latino	136	90%
Two or More Races	25	68%
Unknown	22	95%
White	422	93%
1033 - Welding Tech	389	91%
Black	26	73%
Hispanic/Latino	57	96%
Two or More Races	16	100%
Unknown	1	0%
White	289	92%
1097 - Automotive Collision Repair & Refinishing	104	86%
Black	20	85%
Hispanic/Latino	51	94%
Two or More Races	3	100%
White	30	70%
1201 - Automotive Service Tech	164	76%
Asian	3	100%
Black	17	65%
Hispanic/Latino	25	64%
Two or More Races	17	100%
Unknown	4	0%
White	98	79%
1202 - Machining	195	94%
Black	28	89%
Hispanic/Latino	21	81%
Two or More Races	9	100%
Unknown	1	100%
White	136	96%
1209 - Building Trades & Construction Tech	61	93%
Black	13	92%
Hispanic/Latino	14	100%
Unknown	4	100%
White	30	90%
Grand Total	1611	89%

Civitas – illume Students



Screen captured on 3/26/2020

Civitas – illume Courses

Screen captured on 3/26/2020