ASSESSMENT DAY

College of Workforce, Continuing and Adult Education

School of Workforce Careers

March 28, 2018

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

1097 - Automotive Collision Repair and Refinishing

1201 - Automotive Service Technology

1209 - Building Trades and Construction Design Technology

1202 - Machining

1206 - Transit Technician I (Limited Access Program)

1207 - Transit Technician II (Limited Access Program)

1208 - Transit Technician III (Limited Access Program)

1033 - Welding Technology - Applied

Last Assessment Day Action Items

Assessment Meeting: 9/29/2016

1. Meet with Karla regarding program assessment and outcomes.
2. Research issues with PeopleSoft for waitlist and contact information.
3. Revisit implementing orientation day.
4. Research entrance application possibility.
5. Create co-requisite for courses that need to be taken in the same semester.

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

Graduates of the program will be able to:

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

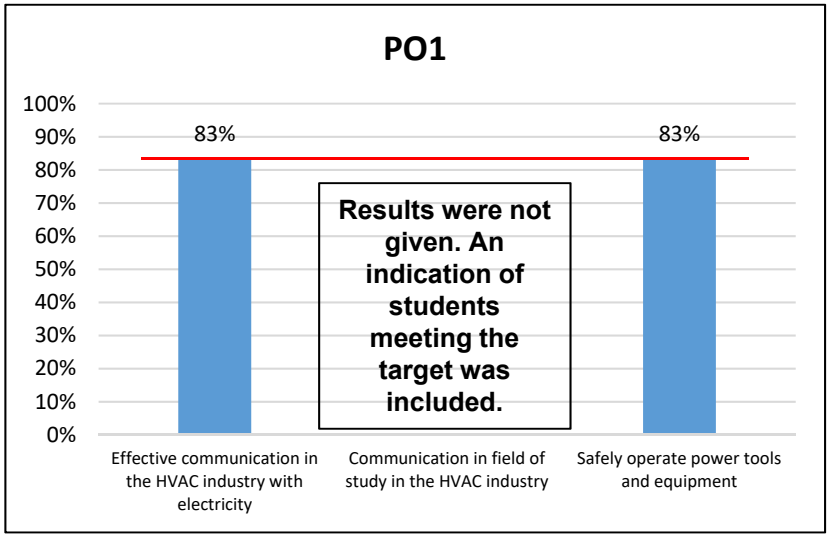
PO2: Identify and use different tools, equipment, material and electrical products used in the industry.

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

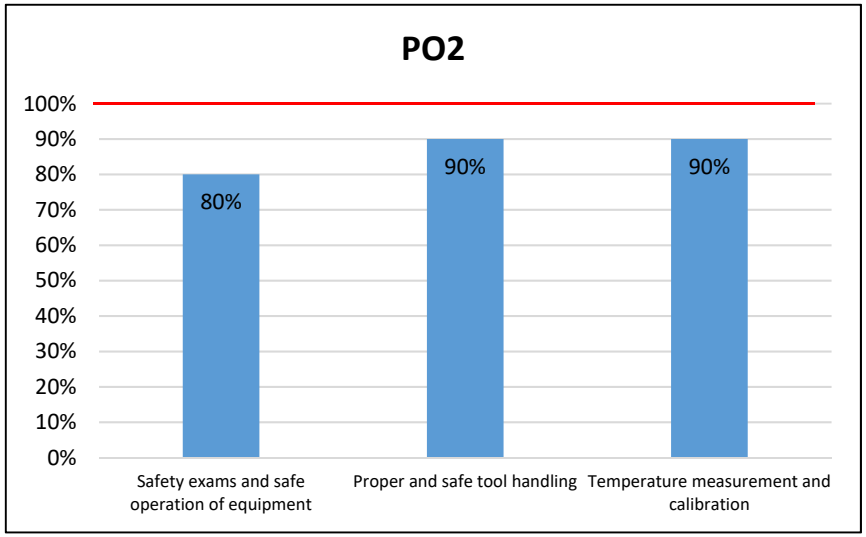
PO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

PO5: Demonstrate the ability to plan, initiate, and estimate repairs and cost of projects in their field.

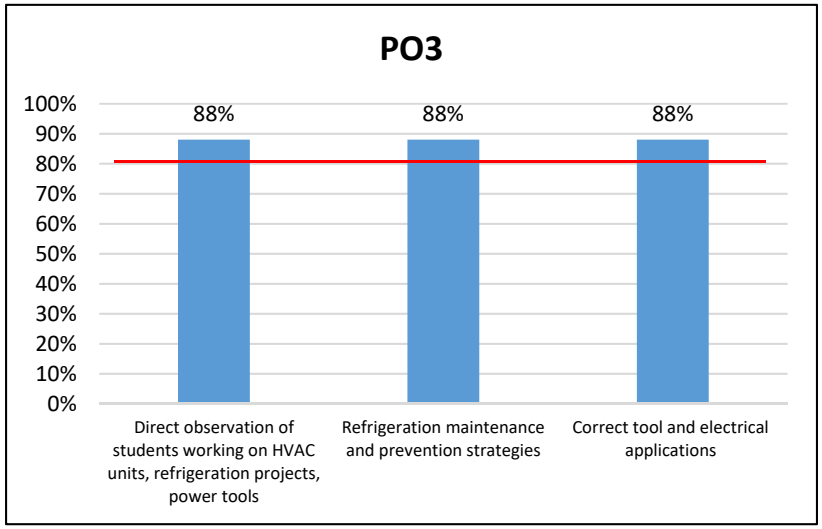
Assessment Data 2016-2017
1054 – Air Conditioning, Refrigeration and Heating Mechanic



PO1: Demonstrate knowledge and ability to safely follow rules and regulations to industry standards. *Target: 83% of students must complete 4 out of 5 elements on the rubric (80%).*



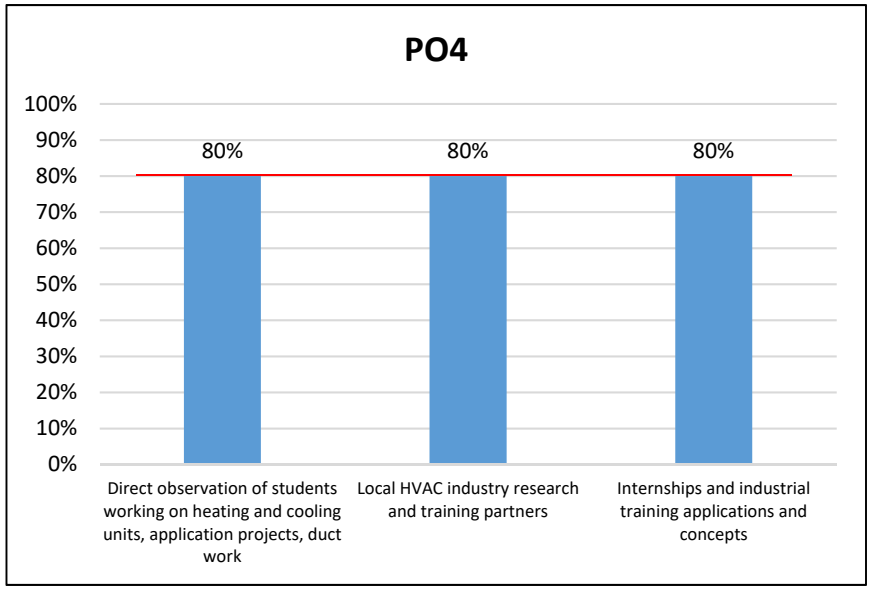
PO2: Identify and use different tools, equipment, material and electrical products used in the industry. *Target: 100% of the students demonstrating competency in correct handling of industry specific tools.*



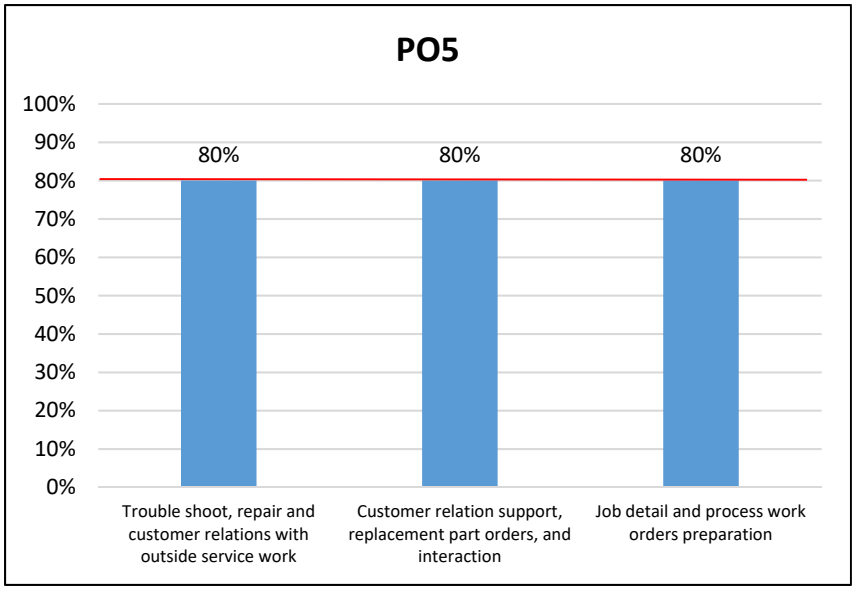
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of students will achieve 75% or higher in all assessment measures*

Source: School of Education Assessment Reports

Assessment Data 2016-2017
1054 – Air Conditioning, Refrigeration and Heating Mechanic



PO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets *Target: 80% of students will achieve 75% or higher in all assessment measures.*



PO5: Demonstrate the ability to plan, initiate, and estimate repairs and cost of projects in their field. *Target: 80% of the students achieving 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 knowledge and ability to safely follow rules and regulations to industry standards.

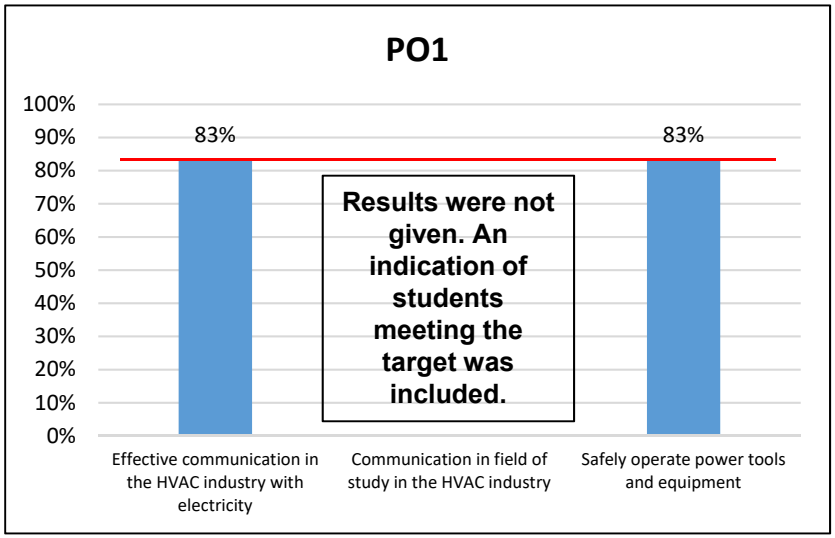
PO2: Identify and use different tools, equipment, material and electrical products used in the industry.

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

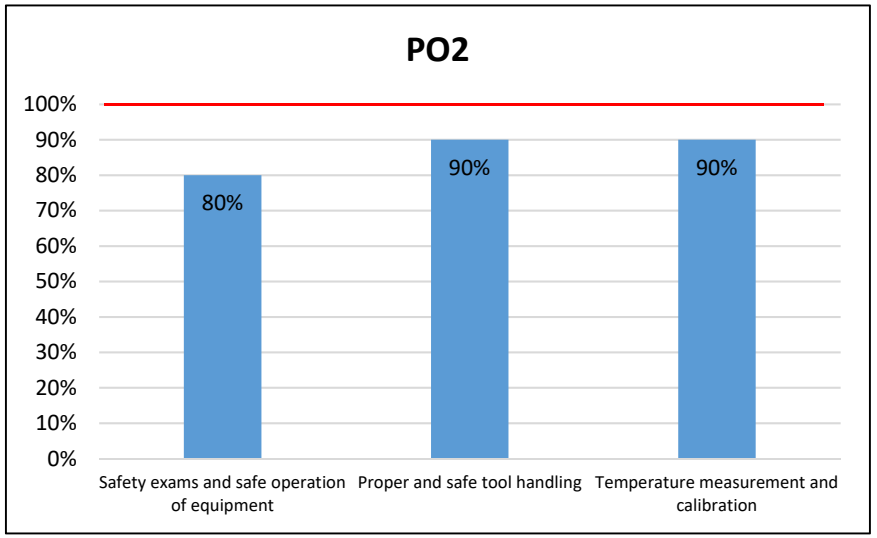
PO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

PO5: Demonstrate the ability to plan, initiate, and estimate repairs and cost of projects in their field.

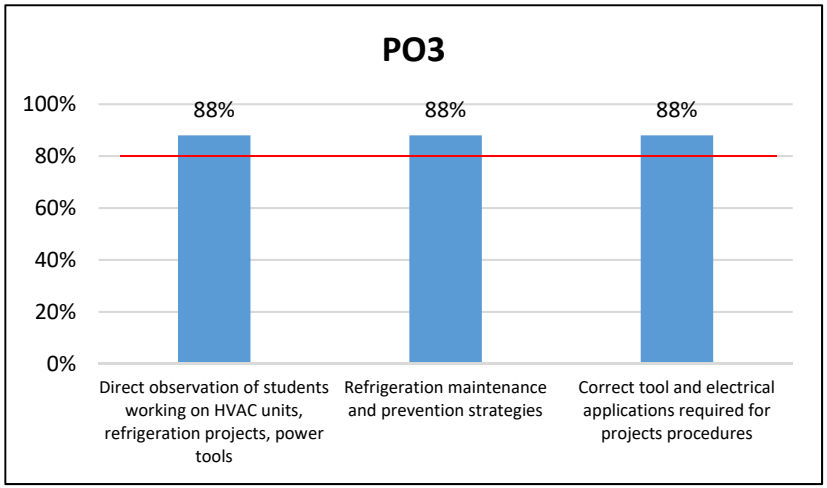
Assessment Data 2016-2017
1011 - Air Conditioning, Refrigeration, and Heating Tech.



PO1: Demonstrate knowledge and ability to safely follow rules and regulations to industry standards. *Target: 83% of students must complete 4 out of 5 elements on the rubric (80%).*



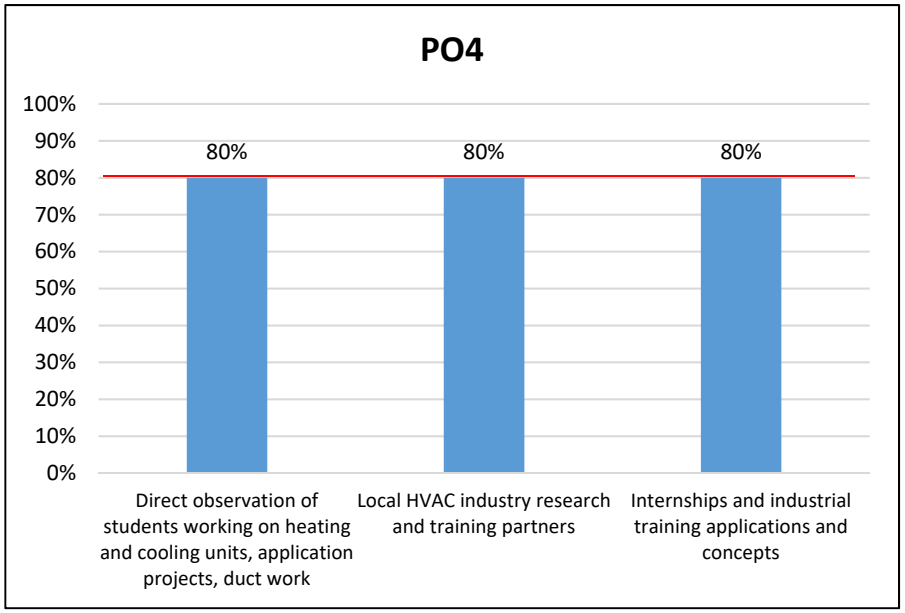
PO2: Identify and use different tools, equipment, material and electrical products used in the industry. *Target: 100% of the students demonstrate competency in correct handling of industry specific tools.*



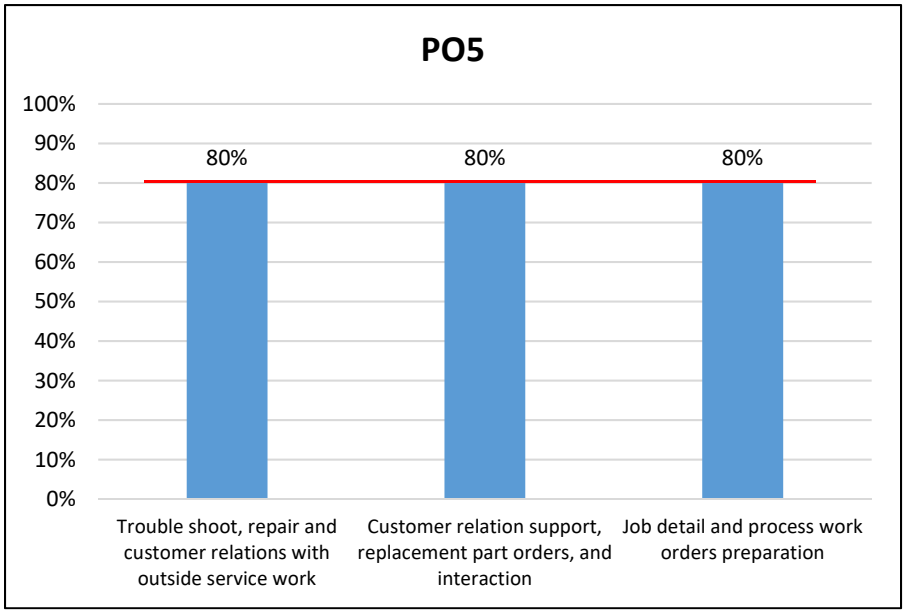
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of students will achieve 75% or higher in all assessment measures.*

Source: School of Education Assessment Reports

Assessment Data 2016-2017
1011 - Air Conditioning, Refrigeration, and Heating Tech.



PO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets. *Target: 80% of students will achieve 75% or higher in all assessment measures.*



PO5: Demonstrate the ability to plan, initiate, and estimate repairs and cost of projects in their field. *Target: 80% of the students achieving 80% or higher*

Source: School of Education Assessment Reports

1097 - Automotive Collision Repair and Refinishing Program Learning Outcomes

Graduates of the program will be able to:

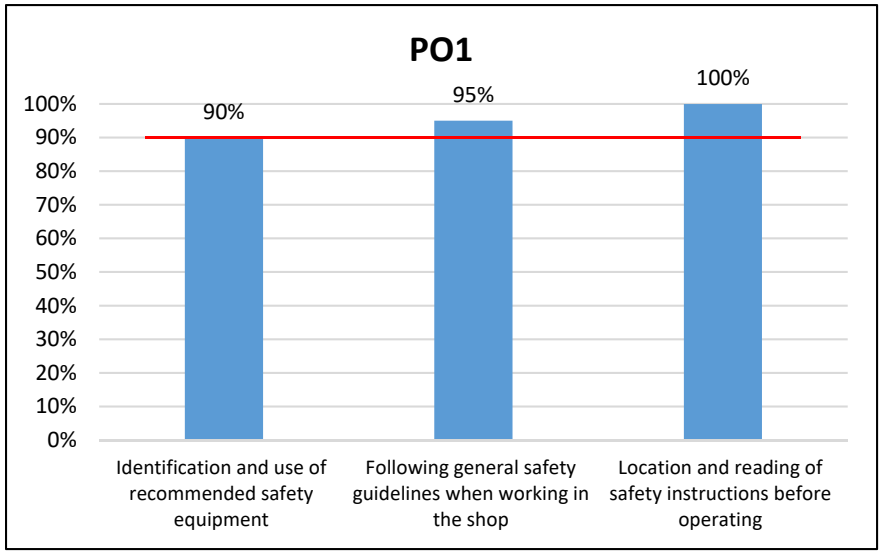
PO1: Demonstrate knowledge and ability to safely follow rules and regulations to I-CAR standards.

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

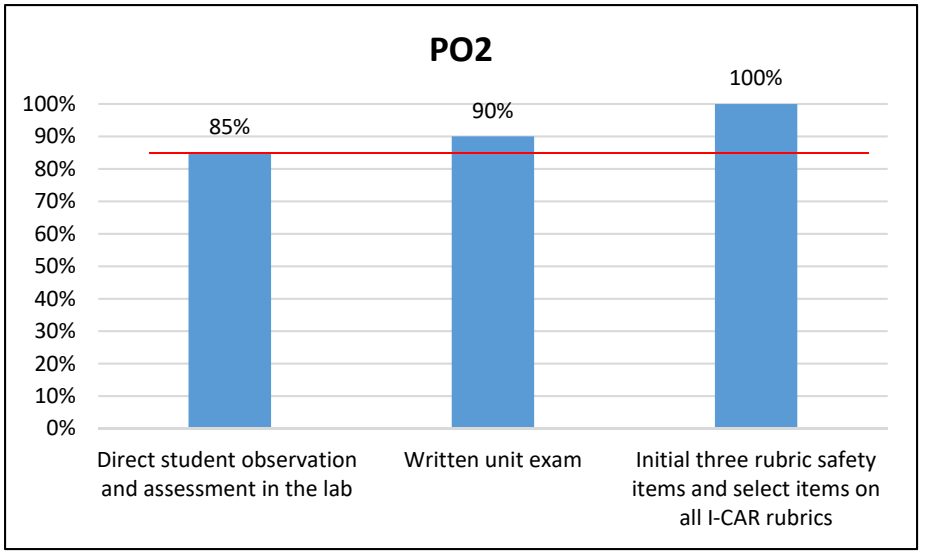
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.

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

Assessment Data 2016-2017
1097 - Automotive Collision Repair and Refinishing



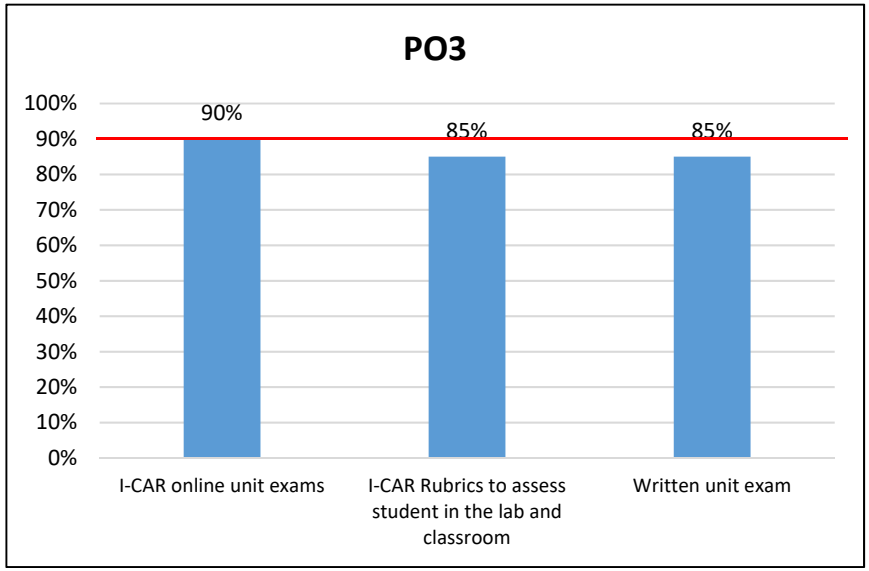
PO1: Demonstrate knowledge and ability to safely follow rules and regulations to I-CAR standards. *Target: 90 % of the students achieved an 80% or better on the I-CAR safety rules and regulations rubric*



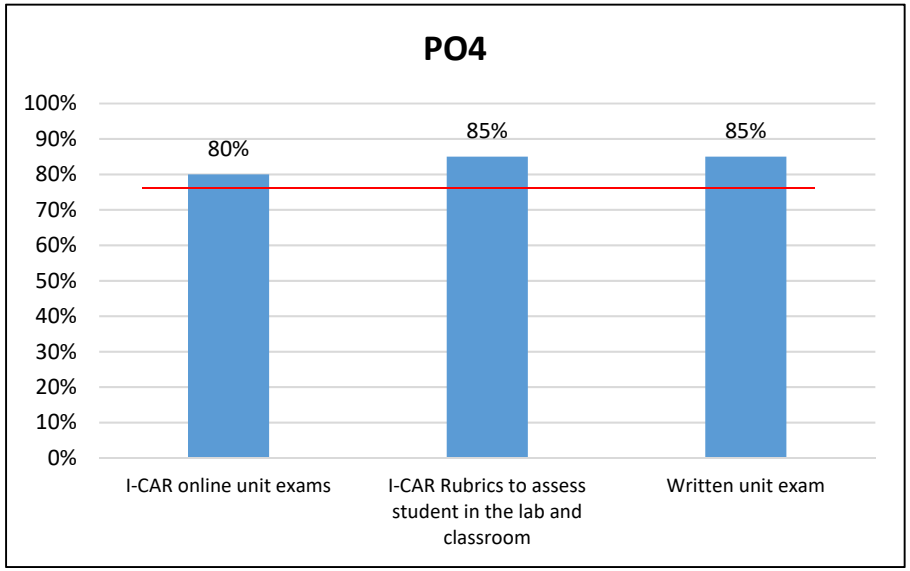
PO2: Identify and use different tools, equipment, material and computerized products used in the industry. *Target: 85% of the students achieved a 90% or better on I-CAR equipment tools and material rubric.*

Source: School of Education Assessment Reports

Assessment Data 2016-2017
1097 - 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: 90% of the students achieved an 85% 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: 75% 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 mathematical and scientific employability and communication skills by written or hands-on assessment.

PO2: Safely and competently perform industry light line service procedures as described in Florida Automotive OCP-A.

PO3: Diagnose, service, and repair automotive braking, steering and suspension, and drivability performance systems.

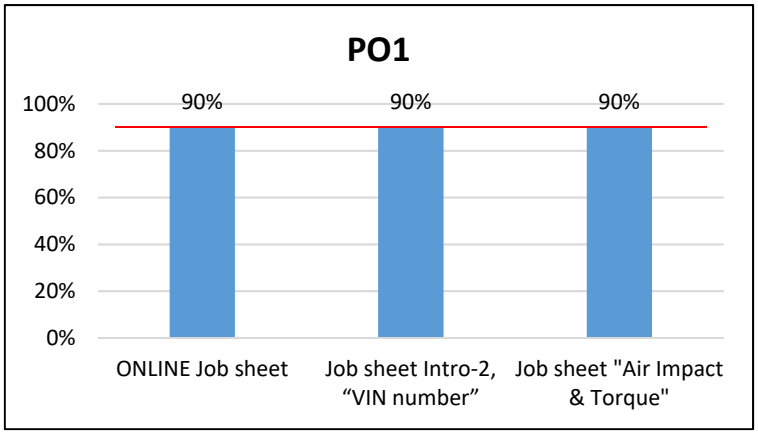
PO4: Diagnose, service, and repair automotive electrical and electronic systems.

PO5: Diagnose, service, and repair automotive heating and air conditioning systems.

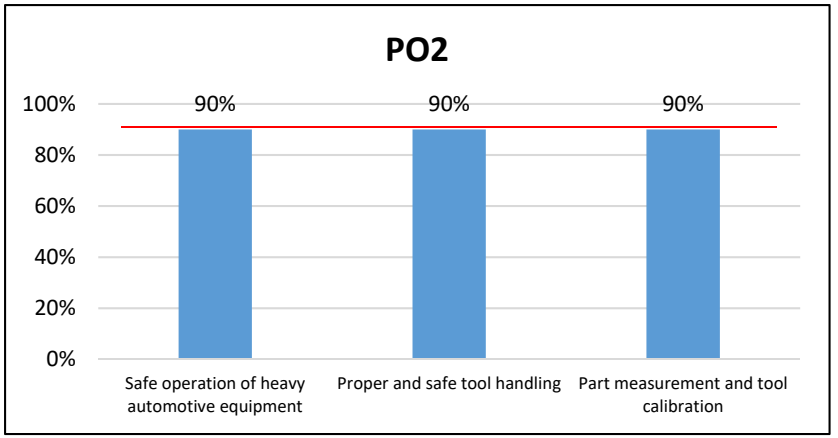
PO6: Diagnose, service, and repair automotive manual and automatic transmissions, rear axles, and transaxles.

PO7: Diagnose, service, and repair automotive engines.

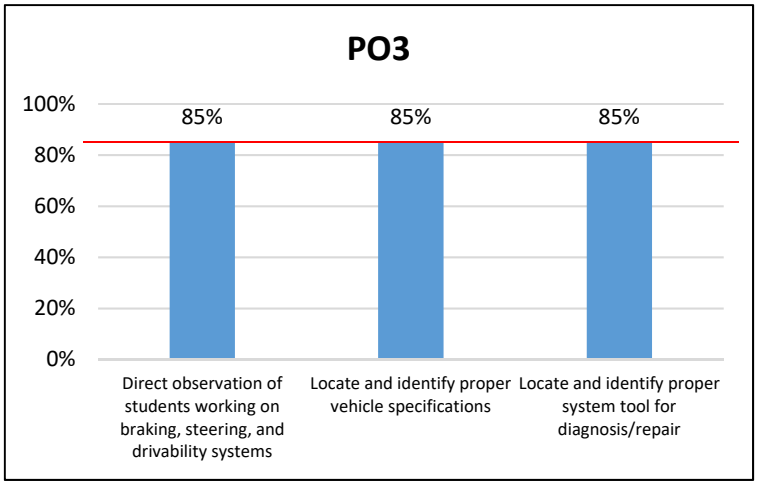
Assessment Data 2016-2017
1201 - Automotive Service Technology



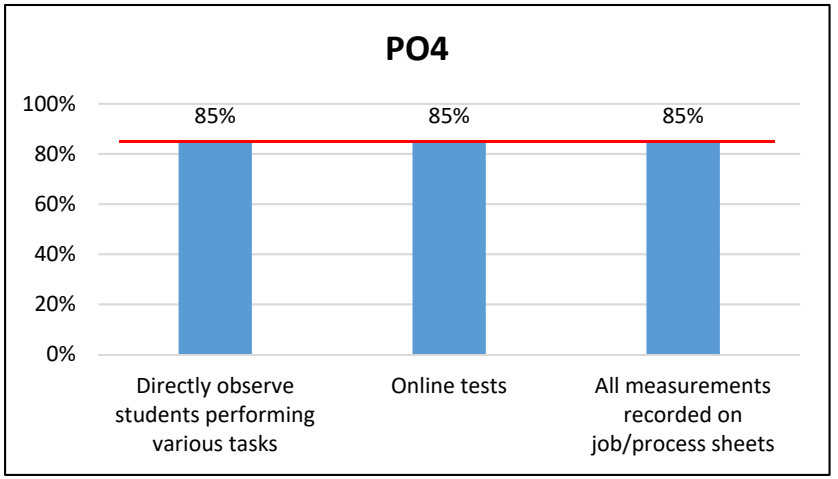
PO1: Demonstrate appropriate mathematical and scientific employability and communication skills by written or hands-on assessment. *Target: 90% of the students must successfully complete all of the required tasks*



PO2: Safely and competently perform industry light line service procedures as described in Florida Automotive OCP-A. Target: 90% of the students must successfully complete all of the required tasks.

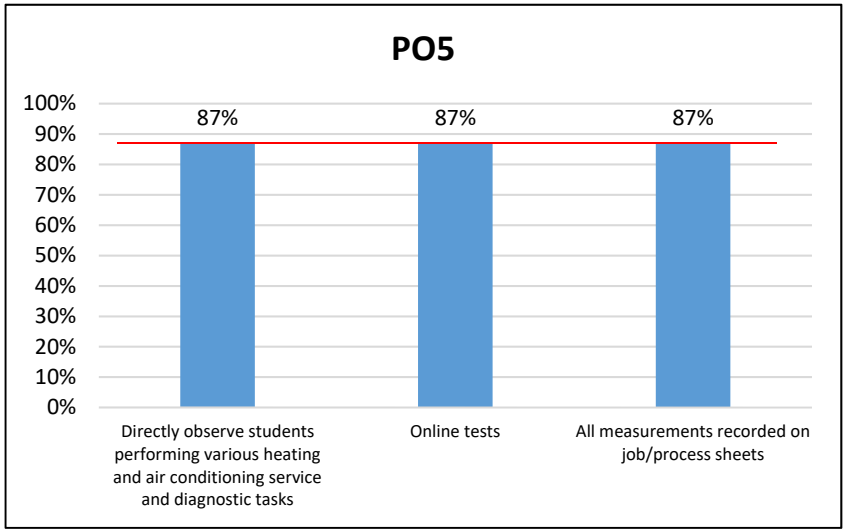


PO3: Diagnose, service, and repair automotive braking, steering and suspension, and drivability performance systems. *Target: 85% of the students must successfully complete all of the required tasks.*

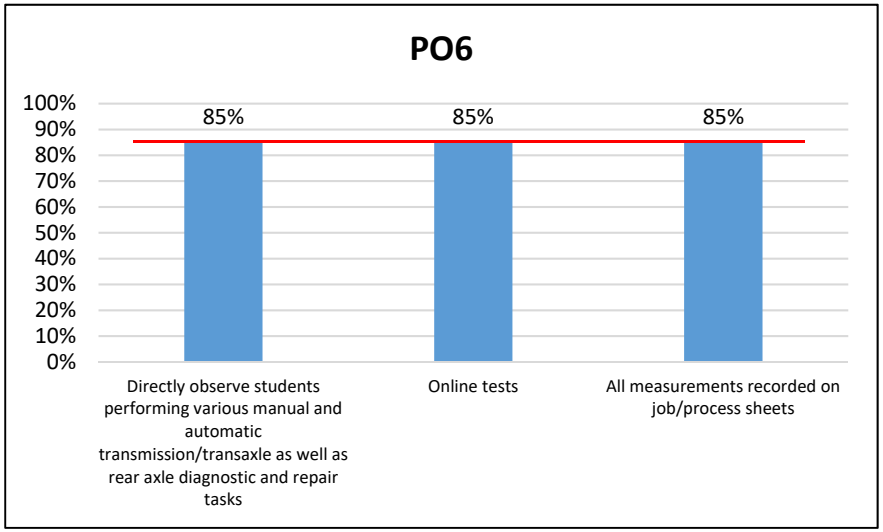


PO4: Diagnose, service, and repair automotive electrical and electronic systems. *Target: 85% of the students must successfully complete all of the required tasks.*

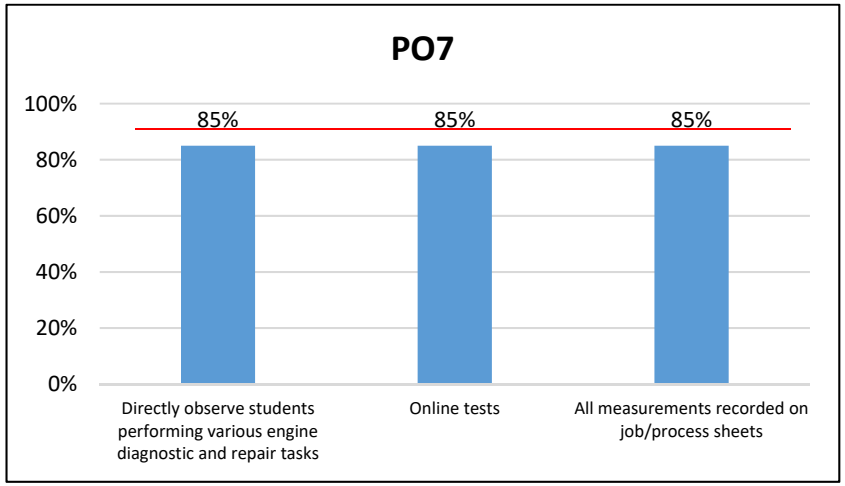
Assessment Data 2016-2017
1201 - Automotive Service Technology



PO5: Diagnose, service, and repair automotive heating and air conditioning systems. *Target: 87% of the students must successfully complete all of the required tasks.*



PO6: Diagnose, service, and repair automotive manual and automatic transmissions, rear axles, and transaxles. *Target: 85% of the students must successfully complete all of the required tasks.*



PO7: Diagnose, service, and repair automotive engines. *Target: 90% of the students must successfully complete all of the required tasks.*

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.

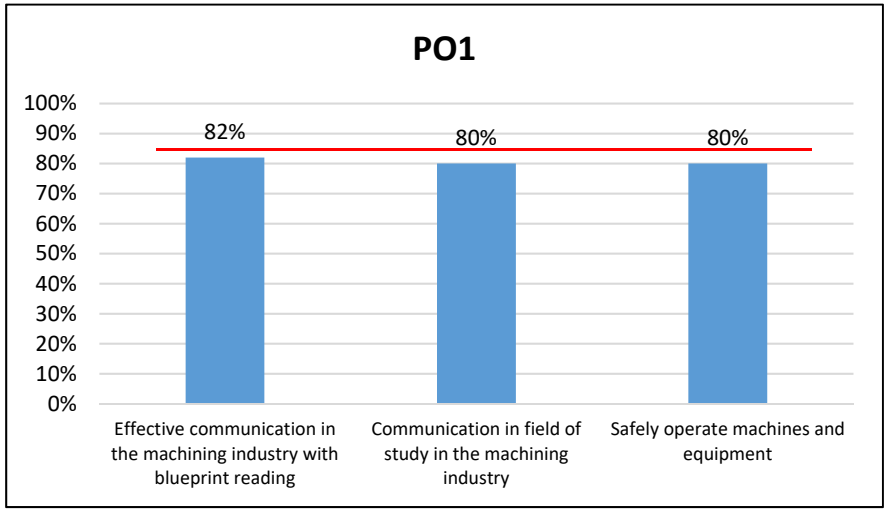
PO2: Identify and use different tools, equipment, material and measuring tools used in the industry.

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

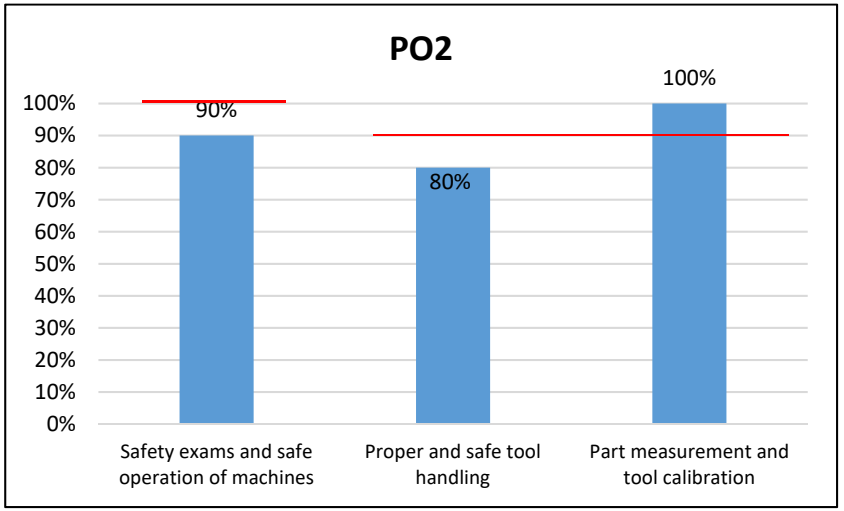
PO4: Demonstrate knowledge and skill in the industrial workplace.

PO5: Demonstrate the ability to plan and initiate projects in the machining field of work.

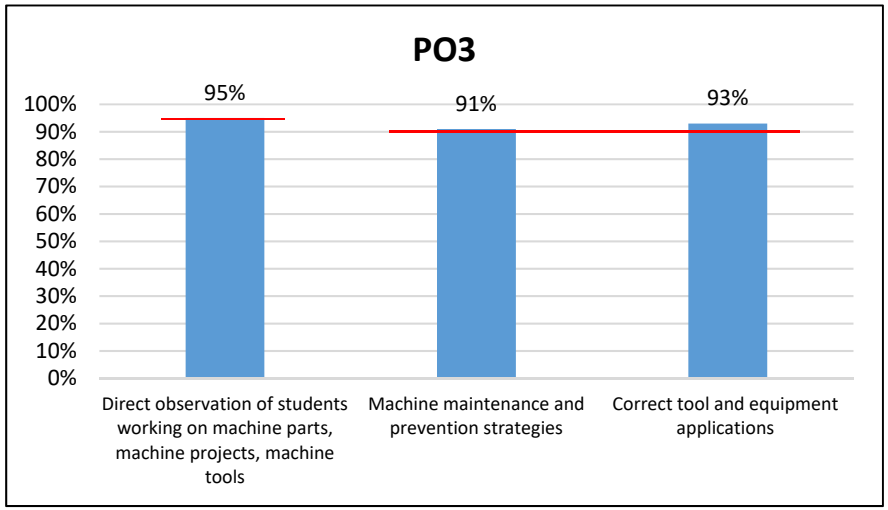
Assessment Data 2016-2017
1202 - Machining



PO1: Demonstrate knowledge and ability to safely follow rules and regulations to machining standards. *Target: 85% of students must score 80% or higher on lab exams*



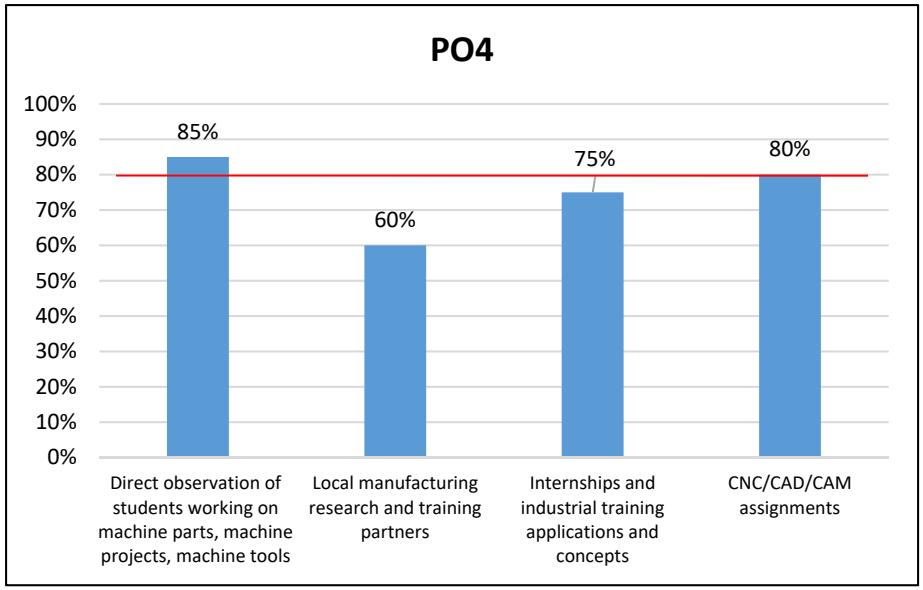
PO2: Identify and use different tools, equipment, material and measuring tools used in the industry. *Target: 100% of the students passing the exam. 90% of students achieving 80% or higher in the other assessment measures*



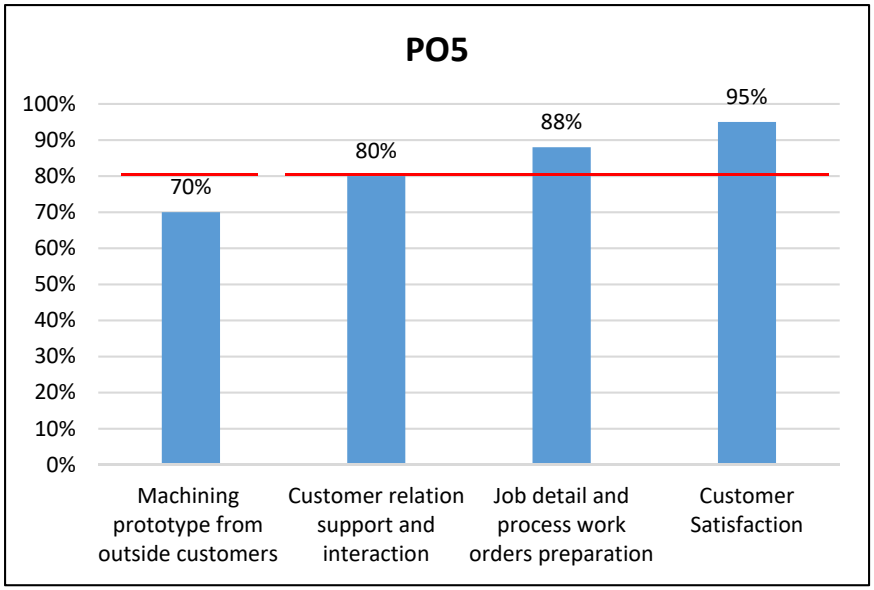
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. Target: 95% of students must complete 4 out of 5 elements on the rubric. 90% of students achieving 80% or higher in the other assessment measures

Source: School of Education Assessment Reports

Assessment Data 2016-2017
1202 - Machining



PO4: Demonstrate knowledge and skill in the industrial workplace. *Target: 80% of students achieving 80% or higher CNC/CAD/CAM assignments. 80% of students achieving 80% or higher in the other assessment measures*



PO5: Demonstrate the ability to plan and initiate projects in the machining field of work. *Target:80% of the students achieving 100% or higher for prototype machine operations. 80% of students achieving 80% or higher in the other 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.

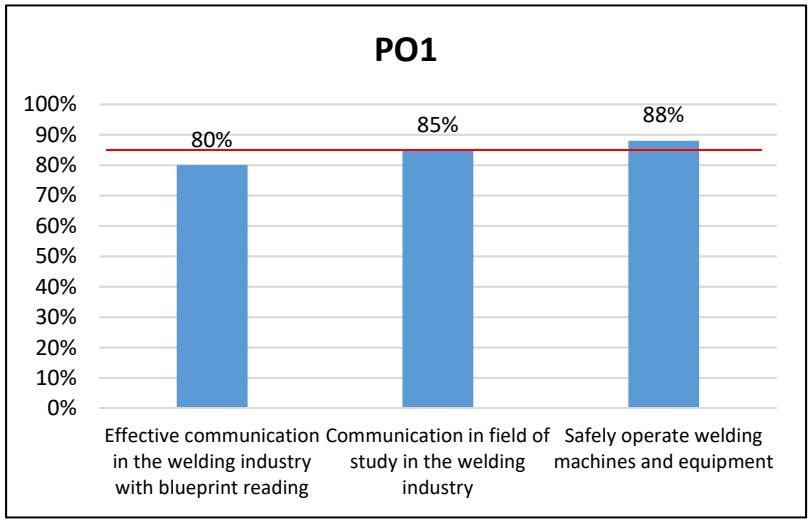
PO2: Identify and use different tools, equipment, material and electrical products used in the industry.

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

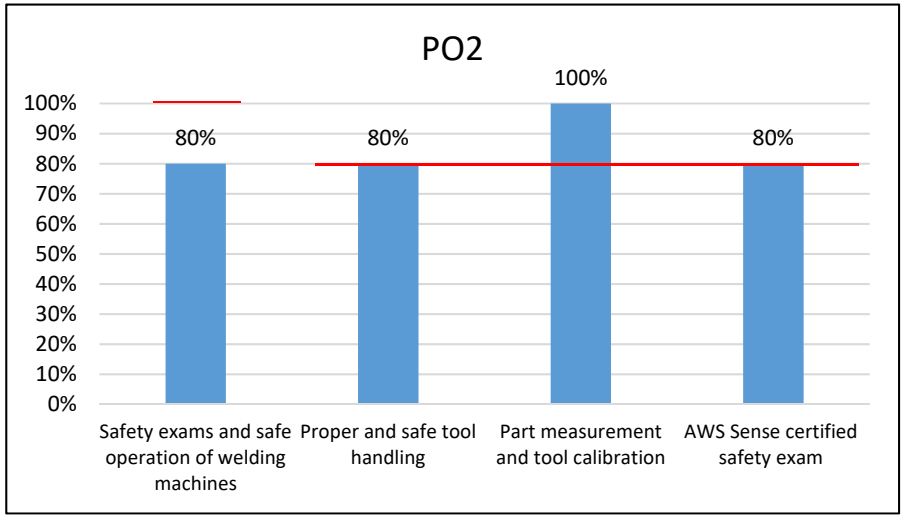
PO4: Demonstrate knowledge and skill in the welding, commercial and industrial markets.

PO5: Demonstrate the ability to plan and initiate projects in the welding field of work.

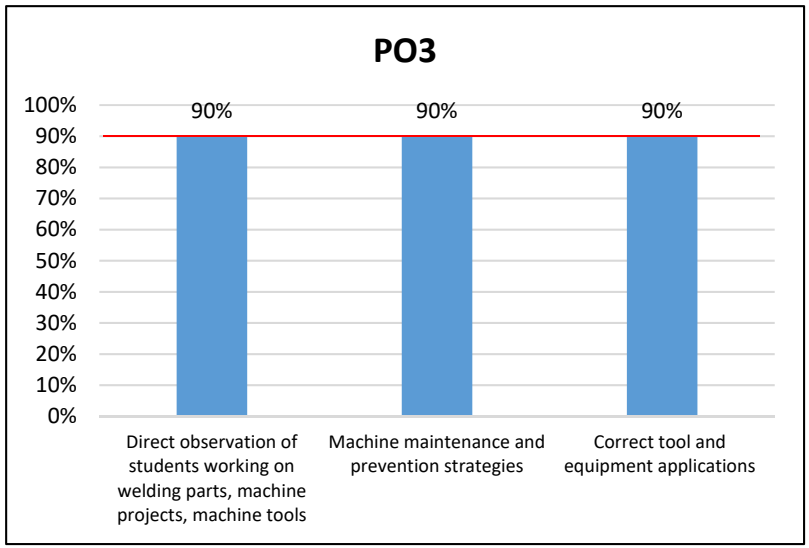
Assessment Data 2016-2017
1033 - Welding Technology - Applied



PO1: Demonstrate knowledge and ability to safely follow rules and regulations to welding certification standards. *Target: 85% of students must score 80% or higher on shop exams*



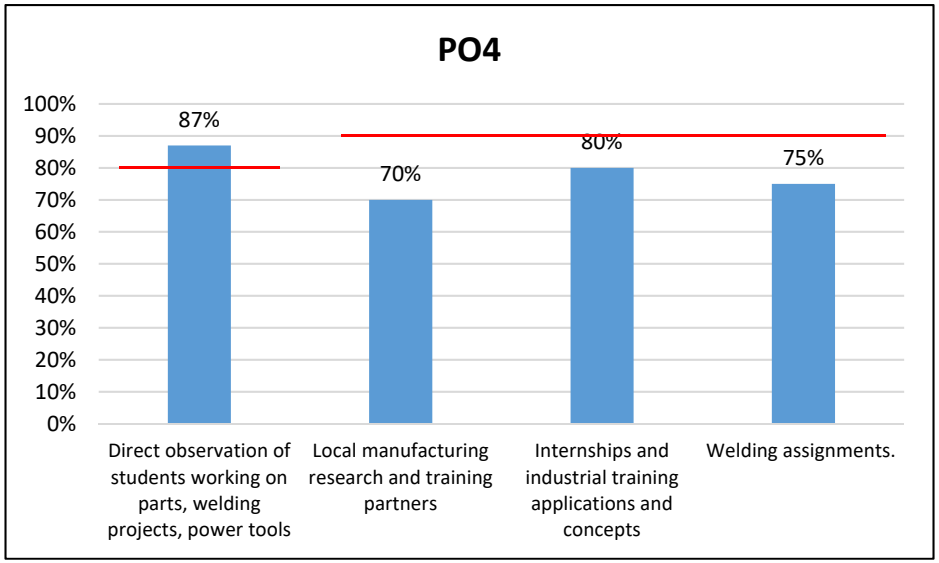
PO2: Identify and use different tools, equipment, material and electrical products used in the industry. *Target: 100% of the students passing the exam. 80% of student achieving 80% or higher in the other assessment measures.*



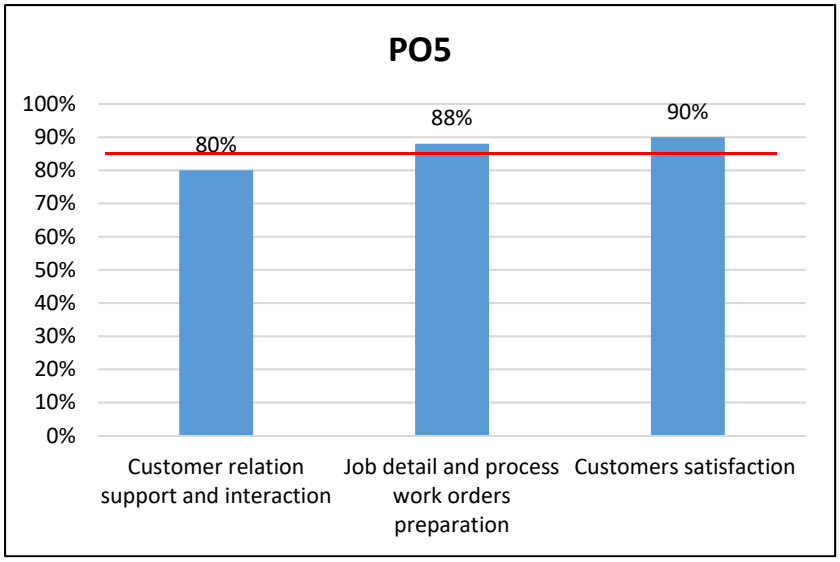
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 90% of the students must successfully complete (80% or higher) all of the required tasks.*

Source: School of Education Assessment Reports

Assessment Data 2016-2017
1033 - Welding Technology - Applied



PO4: Demonstrate knowledge and skill in the welding, commercial and industrial markets. *Target: 80% of students must complete 4 out of 5 elements on the welding practical exams. 90% of the students must successfully complete (80% or higher) all of the required tasks.*



PO5: Demonstrate the ability to plan and initiate projects in the welding field of work. *Target: 85% of the students achieving 100% or higher*

Source: School of Education Assessment Reports

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

Graduates of the program will be able to:

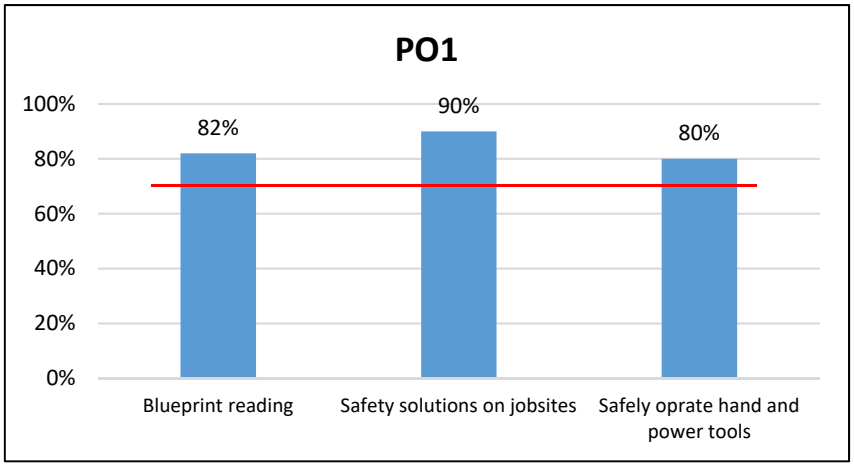
PO1: Demonstrate an understanding of the construction industry and related occupations including but not limited to OSHSA safety practices, selection and use of basic hand and power tools, and understanding of construction related documents.

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

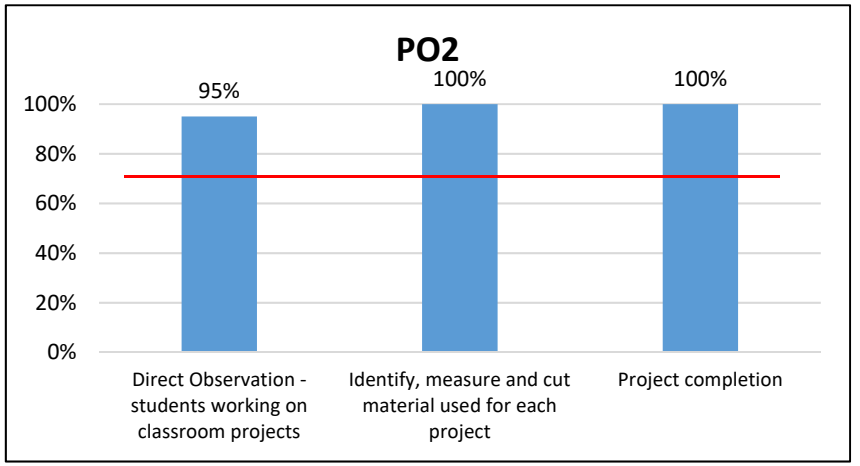
PO3: Develop employability and entrepreneurship skills.

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

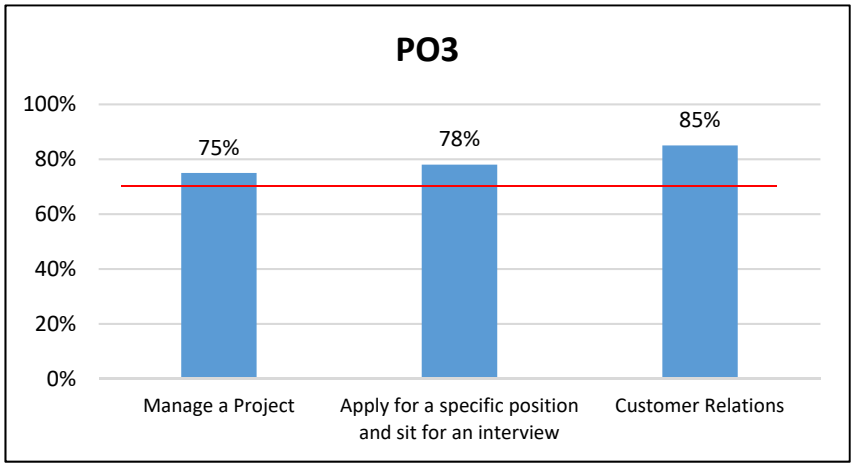
Assessment Data 2016-2017
1209 – Building Trades and Construction Design Tech.



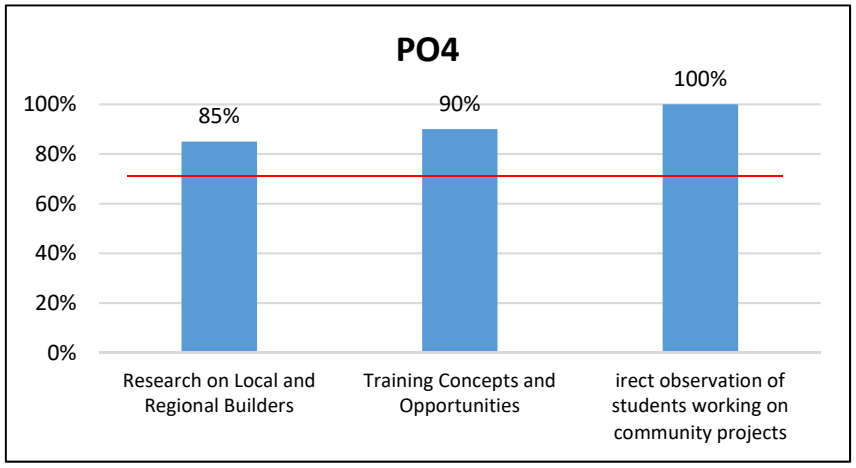
PO1: Demonstrate an understanding of the construction industry and related occupations including but not limited to OSHSA safety practices, selection and use of basic hand and power tools, and understanding of construction related documents. *Target: 70% of students will achieve 78% or higher in all 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 70% or higher in all assessment measures.*



PO4: Demonstrate the ability to plan and implement projects within the construction field. *Target:% of students will achieve 70% or higher in all assessment measures*

Assessment Data
Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	15/16	16/17	15/16	16/17	15/16	16/17	15/16	16/17
Air Conditioning, Refrigeration, and Heating Mechanic (1054)	70%-85%	70%-85%	85%	85%	83%	83%	70%-80%	70%-80%
Air Conditioning, Refrigeration, and Heating Technology (1011)	70%-85%	70%-85%	85%	85%	83%	83%	70%-80%	70%-80%
Automotive Collision Repair and Refinishing (1097)	80%-90%	80%-90%	95%-100%	95%-100%	60%-90%	60%-90%	100%	100%
Automotive Service Technology (1201)	90%	90%	84%	84%	82%	82%	85%	85%
Building Trades and Construction Design Technology (1209)	-	80%-90%	-	100%	-	80%-95%	-	78%-90%
Machining (1202)	80%-100%	80%-82%	91%-95%	91%-95%	80%-82%	80%-82%	85%	85%
Transit Technician I (1206)	-	-	-	-	-	-	-	-
Transit Technician II (1207)	-	-	-	-	-	-	-	-
Transit Technician III (1208)	-	-	-	-	-	-	-	-
Welding Technology – Applied (1033)	75%-100%	75%-100%	80%-100%	80%	80%-85%	80%-85%	85%	85%

Source: School of Education Assessment Reports

Course Success Rates (1 of 3)

Major and Associated Courses with Instructional Method			2013-2014		2014-2015		2015-2016		2016-2017	
			# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1011- A/C, Refrigeration & Heating Tech at the ATC	ACR0001C	Lecture	43	84%	40	85%	40	80%	40	68%
	ACR0002C	Lecture	39	67%	35	66%	36	78%	35	69%
	ACR0061	Lecture	36	86%	33	67%	28	86%	30	83%
	ACR0062	Lecture	37	76%	35	69%	26	81%	30	77%
	ACR0100C	Lecture	45	89%	39	97%	42	79%	42	76%
	ACR0102C	Lecture	40	80%	38	63%	40	65%	39	62%
	ACR0150C	Lecture	36	89%	32	84%	25	100%	32	91%
	ACR0205	Lecture	39	77%	34	59%	28	50%	31	77%
	ACR0506C	Lecture	34	88%	30	87%	25	100%	32	84%
	ACR0600C	Lecture	28	82%	22	77%	18	89%	25	88%
	ACR0601C	Lecture	27	70%	24	63%	19	84%	26	85%
	ACR0741C	Lecture	35	97%	31	81%	27	96%	32	78%
	ACR0742C	Lecture	28	82%	23	83%	18	78%	28	93%
	ACR0815C	Lecture	25	72%	23	61%	18	94%	24	83%
	ACR0850C	Lecture	34	76%	31	77%	25	96%	33	82%
		Major	526	81%	470	75%	415	82%	570	79%
1033- Welding Technology at Daytona	PMT0106C	Lecture	22	95%	48	92%	19	100%	19	100%
	PMT0109C	Lecture	10	100%	21	90%	18	72%	19	95%
	PMT0121C	Lecture	7	86%	18	94%	22	82%	19	89%
	PMT0131	Lecture							14	79%
	PMT0131C	Lecture	16	88%	10	100%	15	100%	15	93%
	PMT0134C	Lecture	1	100%	8	100%	23	96%	4	100%
		IS							14	100%
	PMT0154C	Lecture	6	100%	18	89%	21	90%	19	89%
	PMT0161C	Lecture	1	100%	8	100%	23	100%	4	100%
		IS							15	93%
	PMT0171	Lecture	16	81%	9	100%	15	93%	12	92%
	PMT0171C	Lecture							15	100%
	PMT0290	Lecture					18	94%	14	100%
		CO							1	100%
		Major	79	91%	140	94%	174	92%	210	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 (2 of 3)

Major and Associated Courses			2013-2014		2014-2015		2015-2016		2016-2017	
			# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1097-Automotive Collision Repair & Refinishing ATC	ARR0121C	Online					8	88%*	16	94%
	ARR0122C	Online					14	93%*	15	73%
	ARR0123	Online							11	91%
	ARR0241C	Online					8	88%*	16	94%
	ARR0242C	Online					14	93%*	15	67%
	ARR0243	Online							11	91%
	ARR0244	Online							11	91%
	ARR0381C	Online					7	71%*	16	94%
	ARR0382C	Online					13	92%*	15	73%
	ARR0949	Lecture							3	100%
		Major					64	89%	162	86%
1201-Automotive Service Technology ATC	AER0014C	Online	14	93%	21	90%	21	95%	22	82%
	AER0110C	Online	24	75%	20	85%	21	86%	22	91%
	AER0172C	Online	20	85%	23	91%	20	90%	21	90%
	AER0257C	Lecture	16	94%	21	48%	23	87%	21	90%
	AER0274C	Lecture	20	90%	23	91%	24	88%	24	79%
	AER0360C	Lecture	21	81%	25	64%	24	79%	19	89%
	AER0418C	Online	25	68%	23	91%	21	95%	20	85%
	AER0453C	Online	23	57%	18	100%	20	90%	21	76%
	AER0503C	Lecture	19	74%	23	65%	23	57%	25	64%
		Major	182	78%	197	80%	197	85%	195	83%

*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 (All courses offered in ONLY 1 IM and on ONLY 1 Campus)			2013-2014		2014-2015		2015-2016		2016-2017	
			# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1202-Machining ATC	PMT0211C	Lecture	27	81%	32	88%	14	93%	23	91%
	PMT0215C	Lecture	23	96%	28	100%	11	100%	19	95%
	PMT0251C	Lecture	28	82%	19	89%	35	83%	20	90%
	PMT0255	Lecture	24	100%	18	83%	15	93%	9	89%
	PMT0255C	Lecture							21	86%
	PMT0260C	Lecture	21	100%	20	100%	17	100%	8	88%
	PMT0265C	Lecture	21	95%	19	100%	16	94%	26	85%
	PMT0720	Lecture					21	100%	24	88%
	TDR0304	IS	20	95%	17	94%	11	100%	1	100%
	TDR0304C	Lecture							22	82%
	PMT0720C	Lecture							1	100%
		Major	164	92%	153	93%	140	94%	18	89%
1209 Building Trades and Construction Tech.	BCV0080L	Lecture							15	47%
	BCV0081L	Lab							5	100%
		Lecture							8	88%
	BCV0082L	Lecture							13	77%
	BCV0084L	Lecture							13	77%
		Major							54	72%
DSC		Hybrid		82%		84%		82%		81%
		Lecture		77%		78%		80%		81%
		Online		75%		76%		78%		76%

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

**Lecture in the past*

Source: IR Program Assessment Data

Course Success Rates by Session/Sub-session – Multiple Only (1 of 3)

Major, Associated Courses and Session/ Sub-session				2013-2014		2014-2015		2015-2016		2016-2017	
				# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1011- A/C, Refrigeration & Heating Tech ATC	ACR0001C	FA	Full term	24	88%	20	90%	20	75%	21	76%
		SP	Full term	19	79%	20	80%	20	85%	19	58%
	ACR0002C	FA	Full term	22	59%	18	72%	17	71%	19	74%
		SP	Full term	17	76%	17	59%	19	84%	16	63%
	ACR0100C	FA	Full term	24	88%	19	100%	20	80%	21	81%
		SP	Full term	21	90%	20	95%	22	77%	21	71%
	ACR0102C	FA	Full term	22	82%	19	68%	21	62%	21	71%
		SP	Full term	18	78%	19	58%	19	68%	18	50%
	ACR0150C	FA	Full term	16	94%	15	87%	10	100%	16	81%
		SP	Full term	20	85%	17	82%	15	100%	16	100%
	ACR0506C	FA	Full term	15	80%	15	93%	9	100%	15	87%
		SP	Full term	19	95%	15	80%	16	100%	17	82%
	ACR0600C	FA	Full term	15	87%	10	90%	9	78%	11	73%
		SP	Full term	13	77%	12	67%	9	100%	14	100%
	ACR0601C	FA	Full term	15	73%	11	82%	9	100%	12	67%
		SP	Full term	12	67%	13	46%	10	70%	14	100%
	ACR0741C	FA	Full term	16	100%	15	93%	11	91%	15	87%
		SP	Full term	19	95%	16	69%	16	100%	17	71%
	ACR0742C	FA	Full term	15	80%	10	90%	9	78%	14	86%
		SP	Full term	13	85%	13	77%	9	78%	14	100%
	ACR0815C	FA	Full term	15	53%	11	82%	9	100%	10	80%
		SP	Full term	10	100%	12	42%	9	89%	14	86%
	ACR0850C	FA	Full term	15	93%	15	87%	10	90%	16	88%
		SP	Full term	19	63%	16	69%	15	100%	17	76%

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 Session/Sub-session – Multiple Only (2 of 3)

Major, Associated Courses and Session/ Sub-session				2013-2014		2014-2015		2015-2016		2016-2017	
				# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1033- Welding Technology Daytona	PMT0106	FA	A term			24	88%	19	100%		
			Full term	4	100%						
		SP	A term	18	94%	20	95%				
			Full term			3	100%				
	PMT0109	FA	B term			10	100%	18	72%		
		SP	B term	10	100%	11	82%				
	PMT0121	FA	A term								
		SP	A term	7	86%	18	94%	22	82%		
	PMT0134C	FA	A term			8	100%	14	93%	4	100%
		SP	A term	1	100%			9	100%		
			Full term							14	100%
	PMT0154	FA	B term								
		SP	B term	6	100%	18	89%	21	90%		
	PMT0161C	FA	B term			8	100%	14	100%	4	100%
		SP	B term	1	100%			9	100%		
			Full term							15	93%
	PMT0290	FA	B term							1	100%
		SP	A term					4	100%		
			B term					7	100%	6	100%
			Full term							7	100%
		SU	Full term					7	100%	1	100%

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

Source: IR Program Assessment Data

Course Success Rates by Session/Sub-session– Multiple Only (3 of 3)

Major, Associated Courses and Session/ Sub-session				2013-2014		2014-2015		2015-2016		2016-2017	
				# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1202-Machining ATC	PMT0211C	FA	A term	11	64%	17	88%	14	93%	15	87%
			Full term							8	100%
		SP	A term	16	94%	15	87%				
			Full term								
	PMT0215C	FA	B term	8	100%	15	100%	11	100%	11	91%
			Full term							8	100%
		SP	B term	15	93%	13	100%				
			Full term								
	PMT0251C	FA	A term					18	78%		
			B term							13	92%
			Full term							8	75%
		SP	A term					17	88%		
	PMT0260C	SP	A term							19	79%
			Full term							7	100%
	PMT0265C	SP	B term							16	94%
			Full term							8	75%
	PMT0720C	SP	B term							10	100%
			Full term							8	75%
	TDR0304	FA	B term	11	91%	9	89%	1	100%		
			A term					10	100%		
		SP	B term	9	100%	8	100%				
			Full term								
1209 Building Trades and Construction Tech	BCV0081L	SP	Full term							15	47%
		SU	Full term							5	100%
	BCV0082L	FA	Full term							5	100%
		SP	Full term							8	63%
	BCV0084L	FA	Full term							5	100%
		SP	Full term							8	63%

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

Grade Distribution (1 of 5)

Major and Associated Courses			2016-2017 (SU16, FA16, SP17)					
			Pass (A, B, C)	Fail (D, F)	FNs	Ws	W1s	Incs
1011- A/C, Refrigeration & Heating Tech	Summer 2016	ACR0061	25	5	0	0	0	0
		ACR0062	23	5	1	1	0	0
		ACR0205	24	6	1	0	0	0
		Summer 2016 total	72 (80%)	16 (17.8%)	2 (2.2%)	0 (0%)	0 (0%)	0 (0%)
	Fall 2016	ACR0001C	16	3	2	0	0	0
		ACR0002C	14	3	2	0	0	0
		ACR0100C	17	2	2	0	0	0
		ACR0102C	15	4	2	0	0	0
		ACR0150C	13	2	1	0	0	0
		ACR0506C	13	2	0	0	0	0
		ACR0600C	8	1	2	0	0	0
		ACR0601C	8	2	2	0	0	0
		ACR0741C	13	2	0	0	0	0
		ACR0742C	12	1	1	0	0	0
		ACR0815C	8	1	1	0	0	0
		ACR0850C	14	2	0	0	0	0
		Fall 2016 Total	151 (79.1%)	25 (13.1%)	15 (7.8%)	0 (0%)	0 (0%)	0 (0%)

Source: IR Program Assessment Data

Grade Distribution (2 of 5)

Major and Associated Courses			2016-2017 (SU16, FA16, SP17)					
			Pass (A, B, C)	Fail (D, F)	FNs	Ws	W1s	Incs
1011- A/C, Refrigeration & Heating Tech	Spring 2017	ACR0001C	11	6	2	0	0	0
		ACR0002C	10	2	4	0	0	0
		ACR0100C	15	3	3	0	0	0
		ACR0102C	9	5	4	0	0	0
		ACR0150C	16	0	0	0	0	0
		ACR0506C	14	3	0	0	0	0
		ACR0600C	14	0	0	0	0	0
		ACR0601C	14	0	0	0	0	0
		ACR0741C	12	5	0	0	0	0
		ACR0742C	14	0	0	0	0	0
		ACR0815C	12	2	0	0	0	0
		ACR0850C	13	4	0	0	0	0
		Spring 2017 Total	154 (78.2%)	30 (15.2%)	13 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	Program Total 2016-17		377 (78.7%)	71 (14.8%)	30 (6.3%)	1 (0.2%)	0 (0%)	0 (0%)
1033 - Welding Technology	Summer 2016	PMT0131	11	2	0	1	0	0
		PMT0171	11	1	0	0	0	0
		PMT0290	1	0	0	0	0	0
		Summer 2017 Total	23 (85.2%)	3 (11.1%)	0 (0%)	1 (3.7%)	0 (0%)	0 (0%)

Source: IR Program Assessment Data

Grade Distribution (3 of 5)

Major and Associated Courses			2016-2017 (SU16, FA16, SP17)					
			Pass (A, B, C)	Fail (D, F)	FNs	Ws	W1s	Incs
1033 - Welding Technology	Fall 2016	PMT0106C	19	0	0	0	0	0
		PMT0109C	18	0	1	0	0	0
		PMT0121C	17	0	2	0	0	0
		PMT0134C	4	0	0	0	0	0
		PMT0154C	17	0	2	0	0	0
		PMT0161C	4	0	0	0	0	0
		PMT0290	1	0	0	0	0	0
		Fall 2016 Total	80 (94.1%)	0 (0%)	5 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	Spring 2017	PMT0131C	14	1	0	0	0	0
		PMT0134C	14	0	0	0	0	0
		PMT0161C	14	1	0	0	0	0
		PMT0171C	15	0	0	0	0	0
		PMT0290	13	0	0	0	0	0
		Spring 2017 Total	70 (97.2%)	2 (2.8%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
	Program Total 2016-2017		173 (94.1%)	5 (2.7%)	5 (2.7%)	1 (0.5%)	0 (0%)	0 (0%)
1097-Automotive Collision Repair & Refinishing	Summer 2016	ARR0123	10	0	1	0	0	0
		ARR0243	10	0	1	0	0	0
		ARR0244	10	0	1	0	0	0
		Summer 2016 Total	30 (90.9%)	0 (0%)	3 (9.1%)	0 (0%)	0 (0%)	0 (0%)
	Fall 2016	ARR0121C	15	0	1	0	0	0
		ARR0241C	15	0	1	0	0	0
		ARR0381C	15	0	1	0	0	0
		Fall 2016 Total	45 (93.8%)	0 (0%)	3 (6.2%)	0 (0%)	0 (0%)	0 (0%)

Source: IR Program Assessment Data

Grade Distribution (4 of 5)

Major and Associated Courses			2016-2017 (SU16, FA16, SP17)					
			Pass (A, B, C)	Fail (D, F)	FNs	Ws	W1s	Incs
1097-Automotive Collision Repair & Refinishing	Spring 2017	ARR0949	3	0	0	0	0	0
		ARR0122C	11	1	0	3	0	0
		ARR0242C	10	2	0	3	0	0
		ARR0382C	11	1	0	3	0	0
		Spring 2017 Total	35 (72.9%)	4 (8.3%)	0 (0%)	9 (18.8%)	0 (0%)	0 (0%)
	Program Total 2016-2017		110 (85.3%)	4 (3.1%)	6 (4.7%)	9 (6.9%)	0 (0%)	0 (0%)
1201-Automotive Service Technology	Fall 2016	AER0014C	18	2	2	0	0	0
		AER0110C	20	2	0	0	0	0
		AER0172C	19	2	0	0	0	0
		AER0418C	17	3	0	0	0	0
		AER0453C	16	4	0	1	0	0
		Fall 2016 Total	90 (84.9%)	13 (12.3%)	2 (1.9%)	1 (0.9%)	0 (0%)	0 (0%)
	Spring 2017	AER0257C	19	1	1	0	0	0
		AER0274C	19	3	2	0	0	0
		AER0360C	17	1	1	0	0	0
		AER0503C	16	5	4	0	0	0
		Spring 2017 Total	71 (79.8%)	10 (11.2%)	8 (9%)	0 (0%)	0 (0%)	0 (0%)
	Program Total 2016-2017		161 (82.6%)	23 (11.8%)	10 (5.1%)	1 (0.5%)	0 (0%)	0 (0%)

Source: IR Program Assessment Data

Grade Distribution (5 of 5)

Major and Associated Courses			2016-2017 (SU16, FA16, SP17)					
			Pass (A, B, C)	Fail (D, F)	FNs	Ws	W1s	Incs
1202 - Machining	Summer 2016	PMT0255	8	1	0	0	0	0
		TDR0304	1	0	0	0	0	0
		Summer 2016 Total	9 (90%)	1 (10%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
	Fall 2016	PMT0211C	21	1	1	0	0	0
		PMT0215C	18	0	0	1	0	0
		PMT0251C	18	2	0	0	0	0
		PMT0255C	18	2	0	1	0	0
		Fall 2016 Total	75 (90.4%)	5 (6%)	1 (1.2%)	2 (2.4%)	0 (0%)	0 (0%)
	Spring 2017	PMT0260C	22	1	1	1	1	0
		PMT0265C	21	1	2	0	0	0
		TDR0304C	18	0	0	2	2	0
		PMT0720C	16	2	0	0	0	0
		Spring 2017 Total	77 (85.6%)	4 (4.4%)	3 (3.3%)	3 (3.3%)	3 (3.3%)	0 (0%)
	Program Total 2017-2017		161 (88%)	10 (5.5%)	4 (2.2%)	5 2.7%)	3 (1.6%)	0 (0%)
1209 – Building Trades and Construction Tech.	Summer 2016	BCV0081L	5	0	0	0	0	0
	Fall 2016	BCV0080L	7	1	6	1	0	0
		BCV0082L	5	0	0	0	0	0
		BCV0084L	5	0	0	0	0	0
		Fall 2016 Total	17 (68%)	1 (4%)	6 (24%)	1 (4%)	0 (0%)	0 (0%)
	Spring 2017	BCV0081L	7	0	0	1	0	0
		BCV0082L	5	1	1	1	0	0
		BCV0084L	5	0	2	1	0	0
		Spring 2017	17 (70.8%)	1 (4.2%)	3 (12.5%)	3 (12.5%)	0 (0%)	0 (0%)
	Program Total 2017-2017		39 (72.2%)	2 (3.7%)	9 (16.7%)	4 (7.4%)	0 (0%)	0 (0%)

Average Class Size by Course (1 of 3)

Major and Associated Courses (All courses offered in ONLY 1 IM and on ONLY 1 Campus)			2013-2014		2014-2015		2015-2016		2016-2017	
			# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size
1011- A/C, Refrigeration & Heating Tech ATC	ACR0001C	Lecture	2	22	2	20	2	20	2	20
	ACR0002C	Lecture	2	20	2	18	2	18	2	18
	ACR0061	Lecture	2	18	2	17	2	14	2	15
	ACR0062	Lecture	2	19	2	18	2	13	2	15
	ACR0100C	Lecture	2	23	2	20	2	21	2	21
	ACR0102C	Lecture	2	20	2	19	2	20	2	20
	ACR0150C	Lecture	2	18	2	16	2	13	2	16
	ACR0205	Lecture	2	20	2	17	2	14	2	16
	ACR0506C	Lecture	2	17	2	15	2	13	2	16
	ACR0600C	Lecture	2	14	2	11	2	9	2	13
	ACR0601C	Lecture	2	14	2	12	2	10	2	13
	ACR0741C	Lecture	2	18	2	16	2	14	2	16
	ACR0742C	Lecture	2	14	2	12	2	9	2	14
	ACR0815C	Lecture	2	13	2	12	2	9	2	12
	ACR0850C	Lecture	2	17	2	16	2	13	2	17
		Major	30	18	30	16	30	14	30	16
1033- Welding Technology Daytona	PMT0106C	Lecture	1	18	2	17	1	19	1	19
	PMT0109C	Lecture	1	10	2	11	1	18	1	19
	PMT0121C	Lecture	1	7	1	18	1	22	1	19
	PMT0131	Lecture	1	16	1	10	1	15	1	14
	PMT0131C	Lecture							1	15
	PMT0134C	Lecture			1	8	2	12	1	14
	PMT0154C	Lecture	1	6	1	18	1	21	1	19
	PMT0161C	Lecture			1	8	2	12	1	15
	PMT0171	Lecture	1	16	1	9	1	15	1	12
	PMT0171C	Lecture							1	15
	PMT0290	Lecture							3	5
		Major	6	12	10	13	10	16	13	13

Discontinued programs and courses are not included.
To prevent data from skewing, excludes OJT, clinicals, private/performance, open lab, co-op, DIS, field trips and internships.

Source: IR Program Assessment Data

Average Class Size by Course (2 of 3)

Major and Associated Courses (All courses offered in ONLY 1 IM and on ONLY 1 Campus)			2013-2014		2014-2015		2015-2016		2016-2017	
			# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size
1097-Automotive Collision Repair & Refinishing	ARR0121C	Lecture					1	8	1	16
	ARR0122C	Lecture					1	14	1	15
	ARR0123	Online							1	11
	ARR0241C	Lecture					1	8	1	16
	ARR0242C	Lecture					1	14	1	15
	ARR0243	Online							1	11
	ARR0244	Online							1	11
	ARR0249	Lecture							1	3
	ARR0381C	Lecture					1	7	1	16
	ARR0382C	Lecture					1	13	1	15
	Major						6	11	10	13
1201 - Automotive Service Technology	AER0014C	Online	1	14	1	21	1	21	1	22
	AER0110C	Online	1	24	1	20	1	21	1	22
	AER0172C	Online	1	20	1	23	1	20	1	21
	AER0257C	Lecture	1	16	1	21	1	23	1	21
	AER0274C	Lecture	1	20	1	23	1	24	1	24
	AER0360C	Lecture	1	21	1	25	1	24	1	19
	AER0418C	Online	1	25	1	23	1	21	1	20
	AER0453C	Online	1	23	1	18	1	20	1	21
	AER0503C	Lecture	1	19	1	23	1	23	1	25
	Major		9	20	9	22	9	22	9	22

Discontinued programs and courses are not included.
To prevent data from skewing, excludes OJT, clinicals, private/performance, open lab, co-op, DIS, field trips and internships.

Source: IR Program Assessment Data

Average Class Size by Course (3 of 3)

Major and Associated Courses (All courses offered in ONLY 1 IM and on ONLY 1 Campus)			2013-2014		2014-2015		2015-2016		2016-2017	
			# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size
1202-Machining ATC	PMT0211C	Lecture	2	14	2	16	1	14	2	12
	PMT0215C	Lecture	2	12	2	14	1	11	2	10
	PMT0251C	Lecture	2	14	1	19	2	18	2	10
	PMT0255	Lecture	2	12	1	18	1	15	1	9
	PMT0255C	Lecture							2	11
	PMT0260C	Lecture	1	21	1	20	1	17	2	13
	PMT0265C	Lecture	1	21	1	19	1	16	2	12
	TDR0304C	Lecture	2	10	2	9	1	10	2	11
	PMT0720	Lecture					1	21	2	9
		Major	12	14	10	15	9	15	17	11
1209-Building Trades and Construction Tech	BCV0080L	Lecture							1	15
	BCV0081L	Lab							1	5
		Lecture							1	8
	BCV0082L	Lecture							2	7
	BCV0084L	Lecture							2	7
		Major							7	8
DSC		Hybrid		22		22		21		23
		Lecture		23		22		22		21
		Online		28		29		30		30

Discontinued programs and courses are not included.
To prevent data from skewing, excludes OJT, clinicals, private/performance, open lab, co-op, DIS, field trips and internships.

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	FA14	7	4	57.1%	4	57.1%
	FA15 – 200% In Progress	9	7	77.8%	7	77.8%
	FA16 – In Progress	12	1	8.3%	1	8.3%
1033- Welding Tech- Applied	FA14	12	8	66.7%	8	66.7%
	FA15 – 200% In Progress	14	6	42.9%	6	42.9%
	FA16 – In Progress	18	13	72.2%	13	72.2%
1054- A/C Refrig and Heat Tech	FA14	11	6	54.5%	6	54.5%
	FA15 – 200% In Progress	13	4	30.7%	4	30.7%
	FA16 – In Progress	17	7	41.2%	7	41.2%
1097- Auto Collis Repair & Ref	FA14	0	NA	NA	NA	NA
	FA15 – 200% In Progress	5	2	40.0%	2	40.0%
	FA16 – In Progress	10	6	60.0%	6	60.0%
1201- Automotive Service Tech	FA14	28	10	35.7%	11	39.3%
	FA15 – 200% In Progress	20	11	55.0%	11	55.0%
	FA16 – In Progress	20	0	0.0%	0	0.0%
1202- Machining	FA14	17	9	52.9%	12	70.6%
	FA15 – 200% In Progress	11	3	27.3%	5	45.5%
	FA16 – In Progress	22	6	27.3%	7	31.8%
1209 – Building Trades and Construction Tech	FA16 – In Progress	17	2	11.8%	2	11.8%

College average (150%- 57.3%, 200%- 63.3%)

Fall terms include prior Summer term enrollment in major.

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

Source: IR Program Assessment Data

Retention Rates

Program	Fall Term	Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Retained by College
					N	%	N	%	%
1011- A/C REFRIG AND HEAT TECH	2012	32	15	17	0	0%	5	29%	29%
	2013	42	17	25	0	0%	6	24%	24%
	2014	26	13	13	2	15.4%	2	15.4%	30.8%
	2015	16	7	9	1	11%	8	89%	100%
1033- WELDING TECH-APPLIED	2012	29	10	19	1	5%	0	0%	5%
	2013	2		2	1	50%	0	0%	50%
	2014	19	6	13	1	7.7%	8	61.6%	69.3%
	2015	32	17	15	0	0%	7	47%	47%
1054- A/C REFRIG AND HEAT MECH	2012	44	13	31	6	19%	3	10%	29%
	2013	31	16	15	0	0%	0	0%	0%
	2014	25	15	10	1	10%	0	0%	10%
	2015	29	9	20	4	20%	9	45%	65%
1097- AUTO COLLIS REPAIR & REF	2012	42	23	19	2	11%	8	42%	53%
	2013	23	6	17	5	29%	6	35%	64%
	2014	10	7	3	0	0%	0	0%	0%
	2015	8	3	5	1	20%	2	40%	60%
1201- AUTOMOTIVE SERV TECH	2012	40	5	35	3	9%	16	46%	55%
	2013	45	7	38	2	5%	11	29%	34%
	2014	50	10	40	1	2.5%	19	47.5%	50%
	2015	43	13	30	2	7%	22	73%	80%
1202- MACHINING	2012	25	7	18	3	17%	5	28%	45%
	2013	33	13	20	0	0%	6	30%	30%
	2014	31	16	15	0	0%	6	40%	40%
	2015	23	10	13	1	8%	7	54%	62%
1209 – BUILDING TRADES & CONSTRUCTION TECH	2015	1	0	1	0	0%	1	100%	100%

College average (64.4%)

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.
Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.
Adjusted Cohort - Registered students less exclusions.
Not retained - Students who were not registered the following fall term.
Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.
Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

Fall 2015 to Fall 2016 Retention Rates by Race/Ethnicity (1 of 2)

Major	Fall Term	Registered	Exclusions	Adjusted Cohort	Retained by Program	
					#	%
1011- A/C REFRIG AND HEAT TECH	Asian	2	0	2	2	100%
	Black	2	1	1	1	100%
	Hispanic	2	1	1	1	100%
	White	10	5	5*	4	80%
1033- WELDING TECH-APPLIED	Hispanic	1	1	0	N/A	
	White	30	15	15	7	47%
1054- A/C REFRIG AND HEAT MECH	Asian	1	0	1	0	0%
	Black	2	0	2	2	100%
	Hawaii/Pac	1	0	1	1	100%
	Hispanic	5	2	3	1	33.3%
	White	20	7	14**	5	38%

**one student retained by DSC, **two students retained by the DSC*

College average (African American: 48.1%, Hispanic: 62.1%)

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.

Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.

Adjusted Cohort - Registered students less exclusions.

Not retained - Students who were not registered the following fall term.

Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.

Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

Fall 2015 to Fall 2016 Retention Rates by Race/Ethnicity (2 of 2)

Major	Fall Term	Registered	Exclusions	Adjusted Cohort	Retained by Program #	Retained by Program %
1097- AUTO COLLIS REPAIR & REF	Black	1	1	0	N/A	
	Hispanic	1	0	1*		
	Two or More Races	1	0	1	1	100%
	White	5	2	3	1	33.3%
1201- AUTOMOTIVE SERV TECH	Black	9	2	7	6	86%
	Hispanic	7	2	5	5	100%
	Two or More Races	1	1	0	N/A	
	White	26	8	18**	11	61%
1202- MACHINING	Black	1	0	1	1	100%
	Hispanic	3	1	2	1	50%
	Two or More Races	1	0	1	0	0%
	White	18	9	9*	5	56%

**one student retained by DSC, **two students retained by the DSC*

College average (African American: 48.1%, Hispanic: 62.1%)

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.
Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.
Adjusted Cohort - Registered students less exclusions.
Not retained - Students who were not registered the following fall term.
Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.
Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

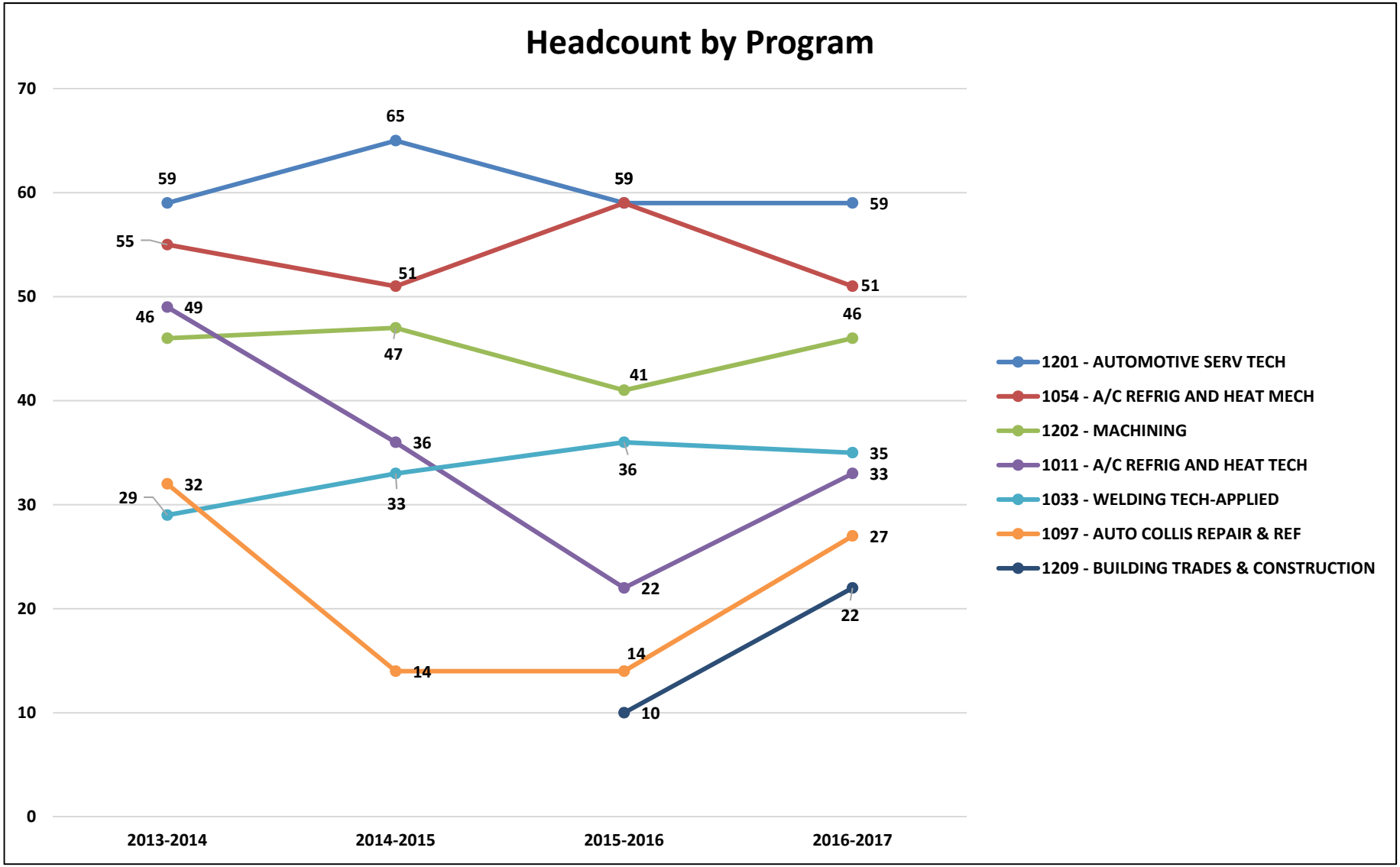
Placement Rates
(College average: 94.5%)

Program Title	Major(s)	2010/11		2011/12		2012/13		2013/14		2014/15		Average Annual Salary
		DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
Air Conditioning, Refrigeration, and Heating Technology	1011, 1054	75%	62%	71%	64%	33%	46%	75%	49%	N/A	54%	$**,***
Automotive Collision Repair and Refinishing	1097	17%	50%	50%	63%	75%	58%	75%	54%	100%	81%	$**,***
Automotive Service Technology	1201	56%	65%	N/A	N/A	67%	71%	75%	66%	100%	85%	$**,***
Machining	1202	N/A	N/A	N/A	N/A	100%	100%	71%	64%	100%	100%	$**,***
Welding Technology - Applied	1033	89%	74%	46%	61%	56%	52%	33%	55%	67%	66%	$**,***

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

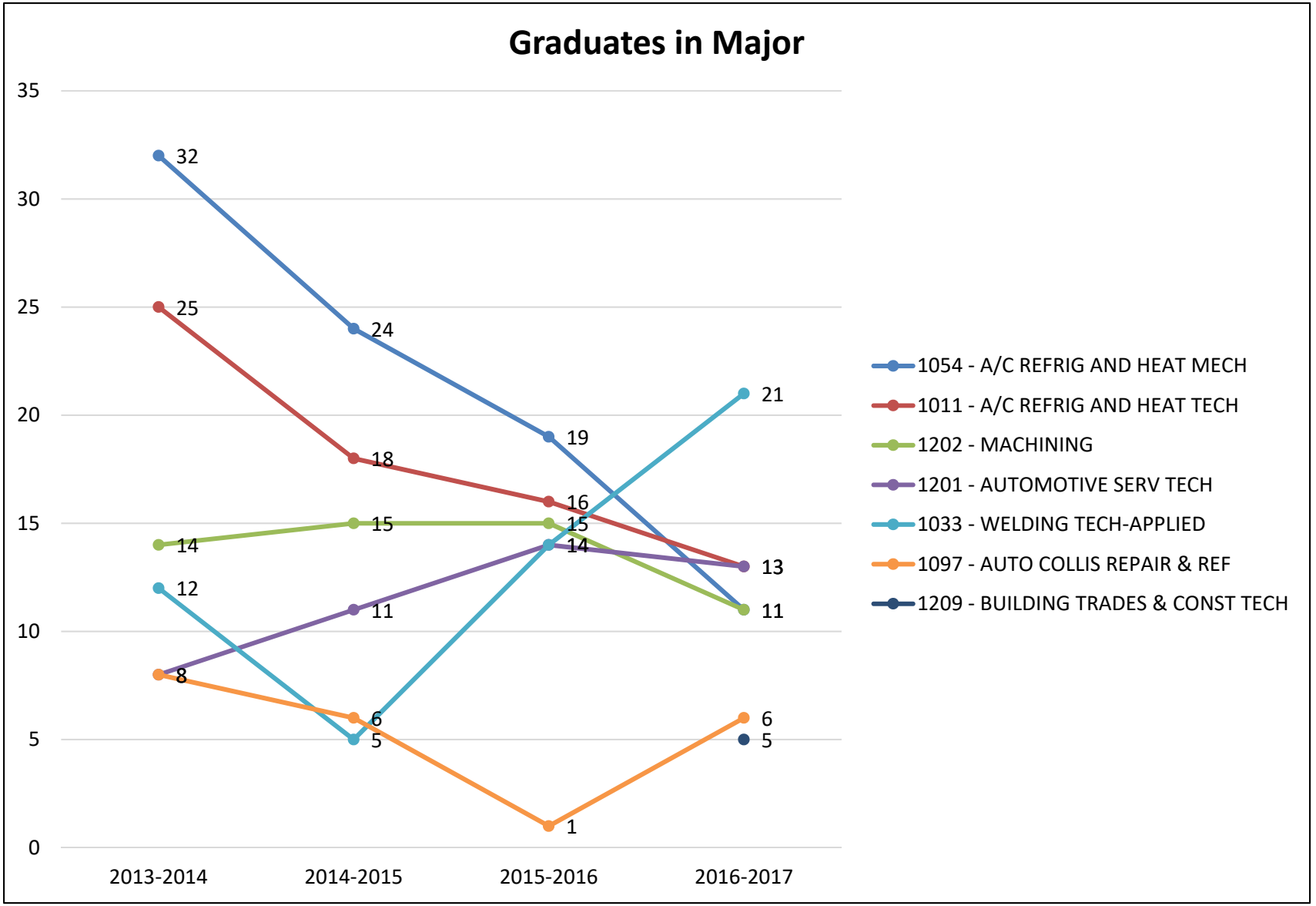
*Currently Inactive Program
N/A - No placement data for the program.
$**,*** Less than 10 graduates found employed.



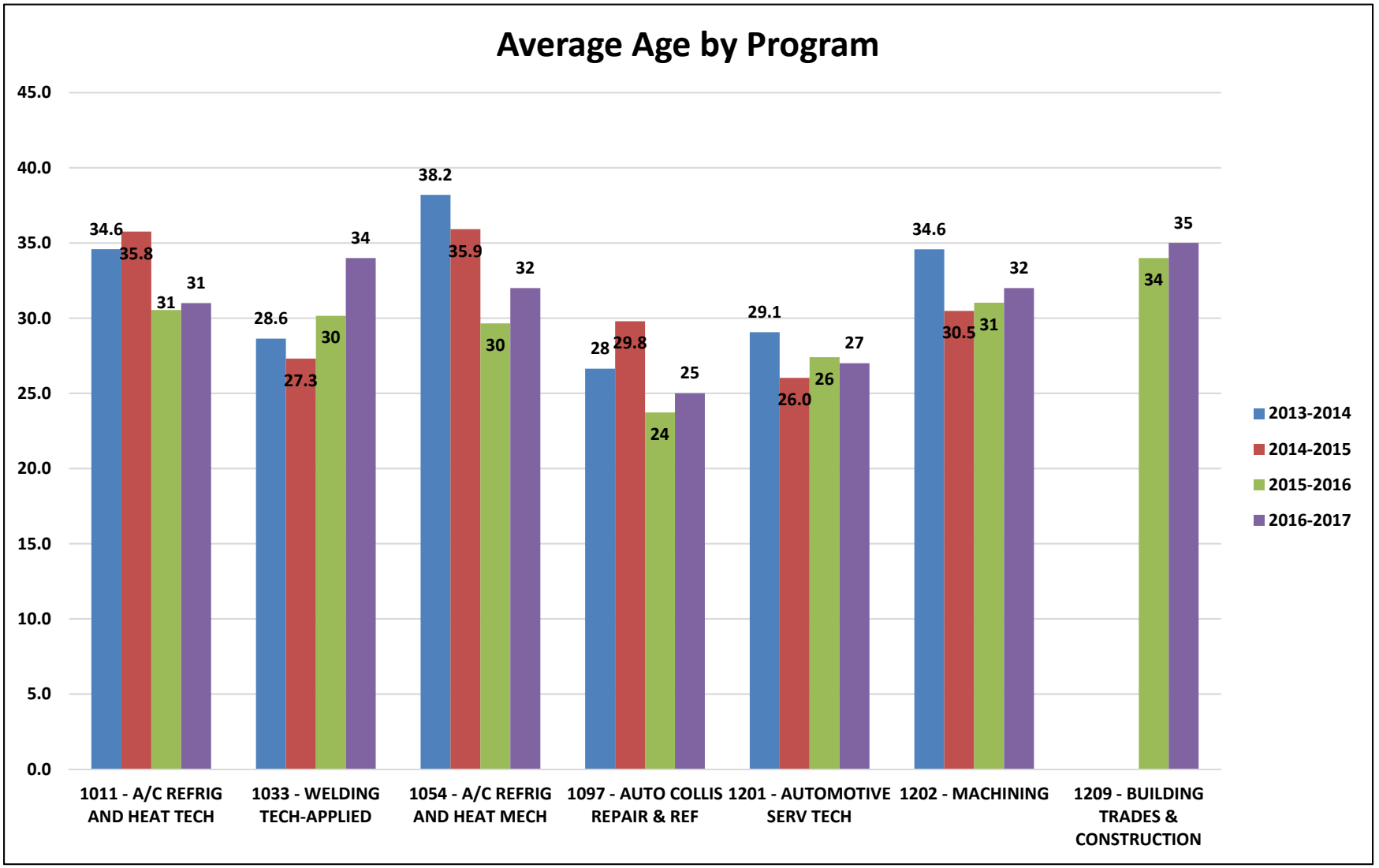
College Enrollment Decreased: 7.9%(12/13); 3%(13/14); 0.73%(14/15); 1.14% (15/16)

Students are duplicated across programs, unduplicated in the total.

Source: IR Program Assessment Data



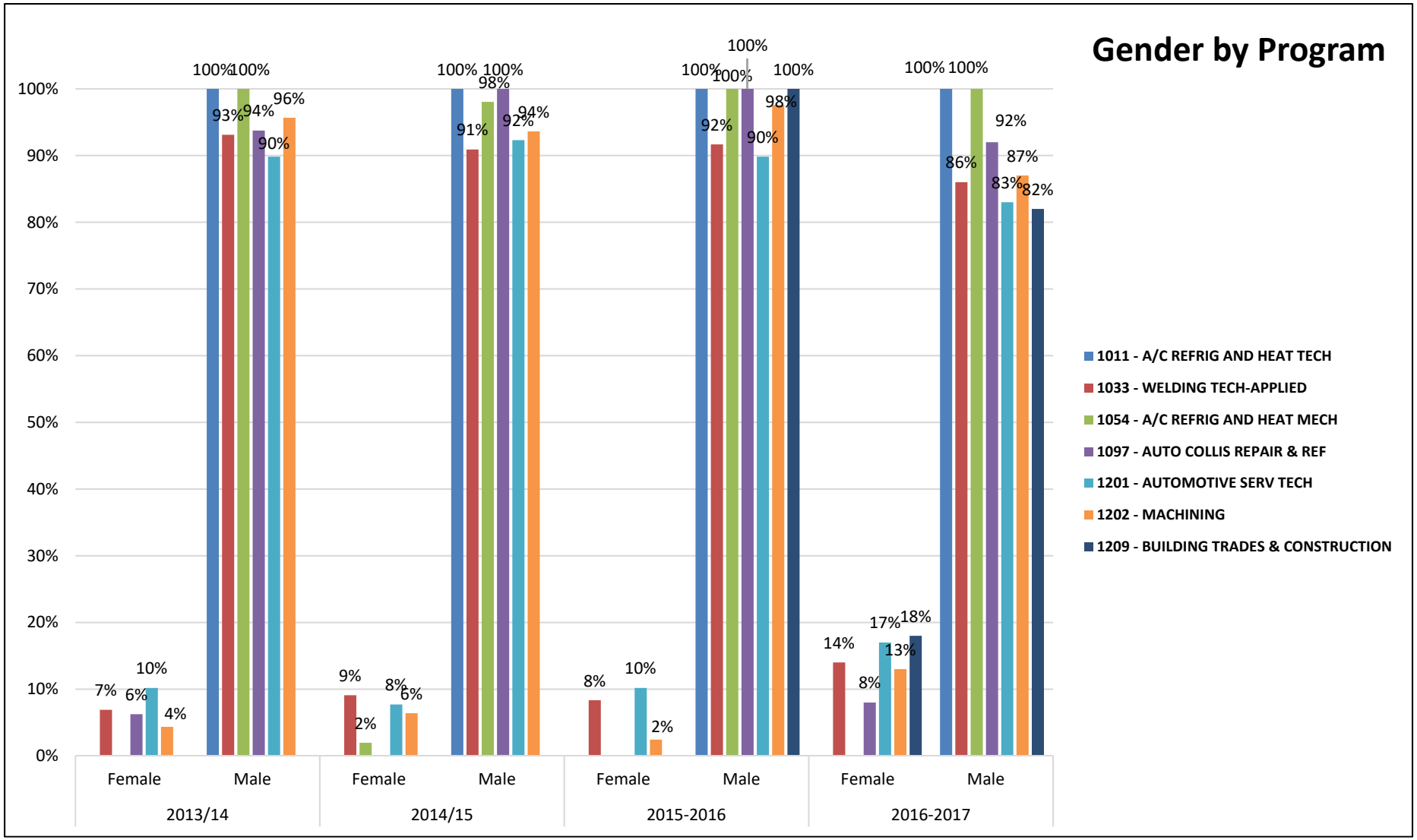
Source: IR Program Assessment Data



Calculation excludes individuals whose birthdates are not reported.

Major	2013-2014	2014-2015	2015-2016	2016-2017
All Programs	27.9	28.3	26	31
Daytona State College	26.6	26.4	26	27

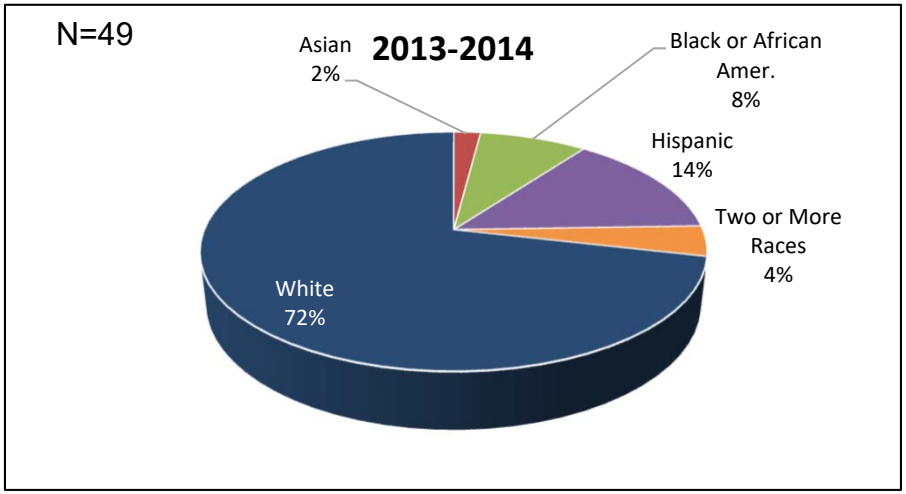
Source: IR Program Assessment Data

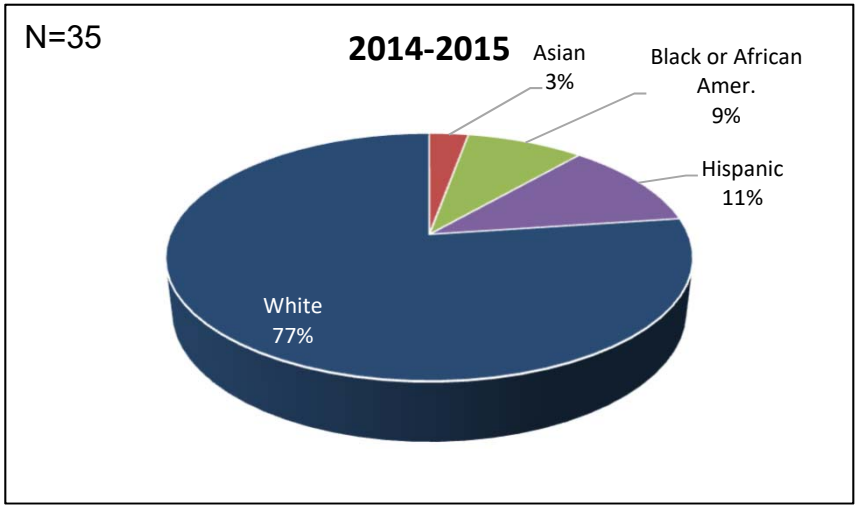


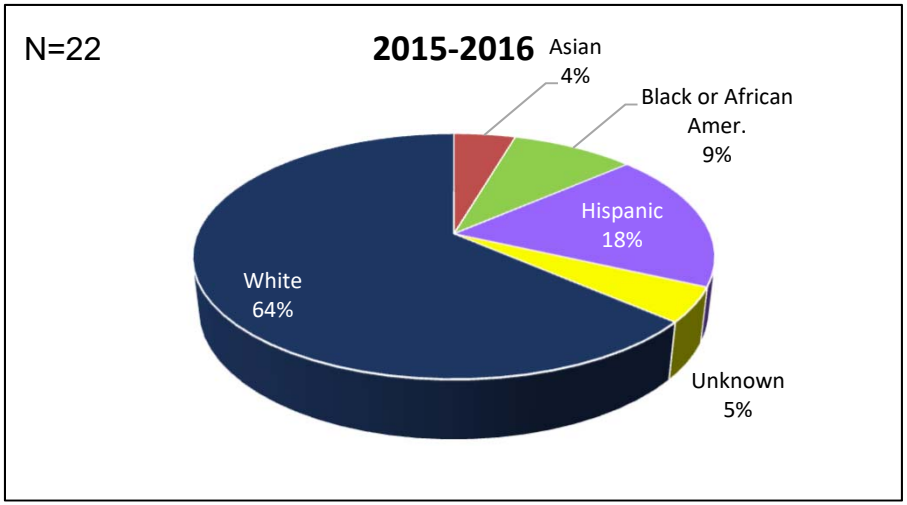
Major	2013-2014		2014-2015		2015-2016		2016-2017	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	59%	41%	60%	40%	60%	40%	60%	40%

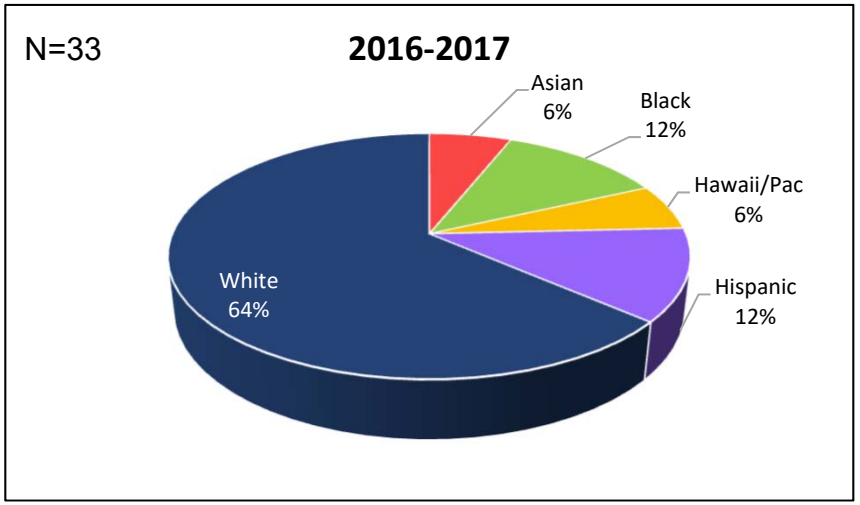
Source: IR Program Assessment Data

Race / Ethnicity
Air Conditioning, Refrigeration, and Heating Tech #101100







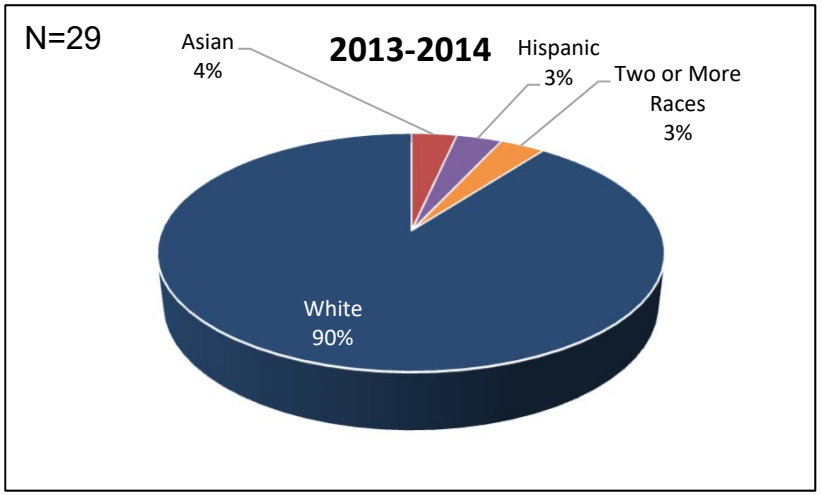


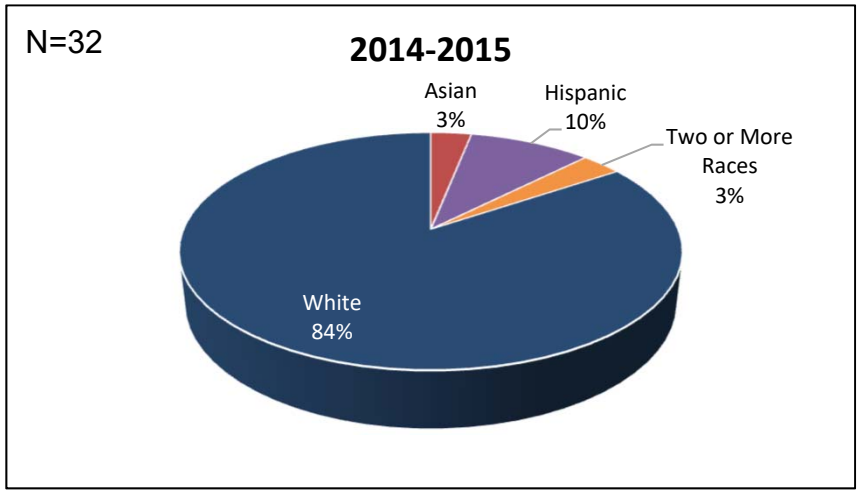
DSC Averages 2016-2017						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0.4%	**2%**	**14%**	**15%**	**0.2%**	**2%**	**66%**

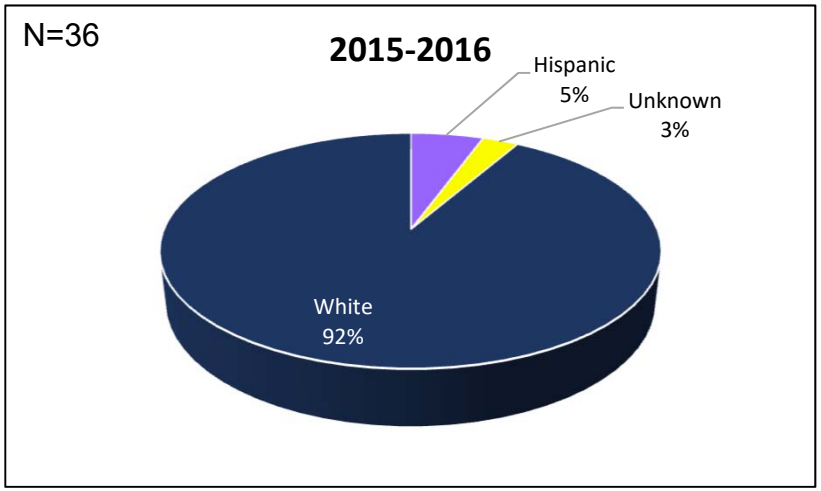
Excludes individuals whose race / ethnicity is not reported.

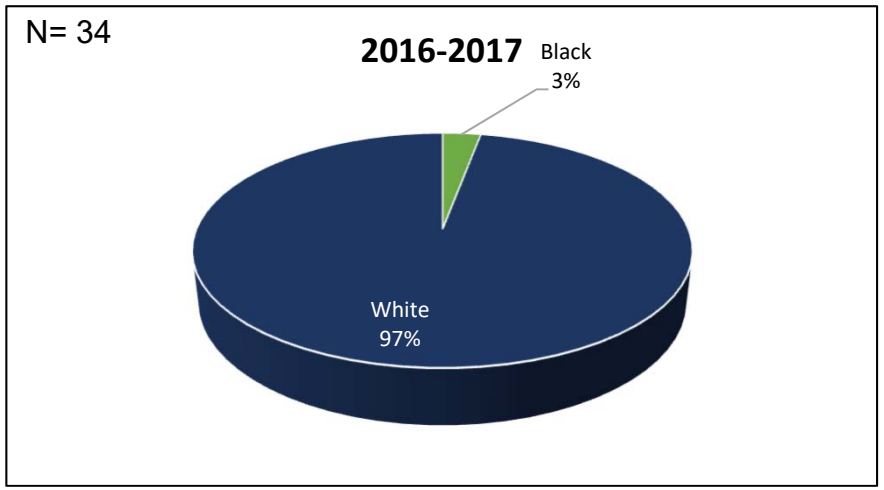
Source: IR Program Assessment Data

Race / Ethnicity
Welding Technology #103300







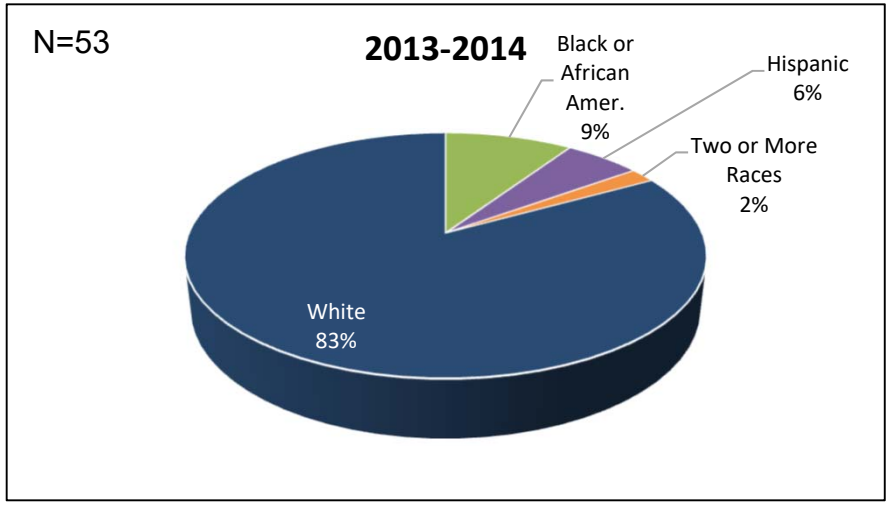


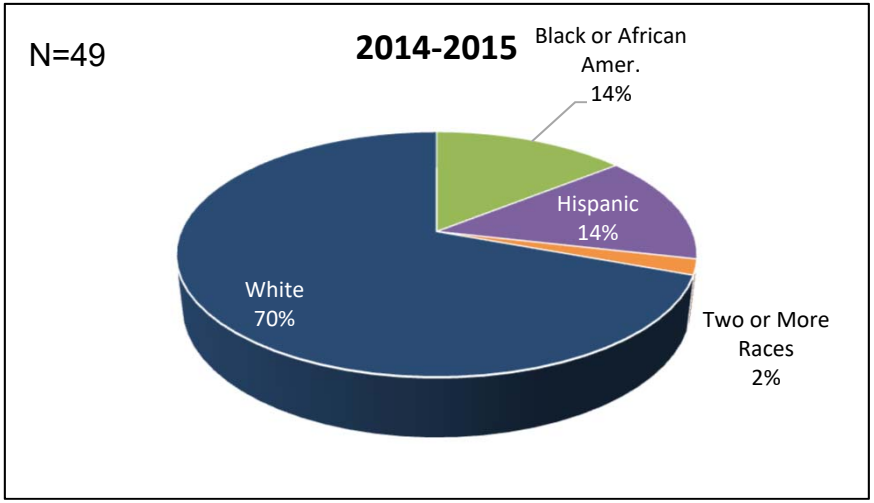
DSC Averages 2016-2017						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0.4%	**2%**	**14%**	**15%**	**0.2%**	**2%**	**66%**

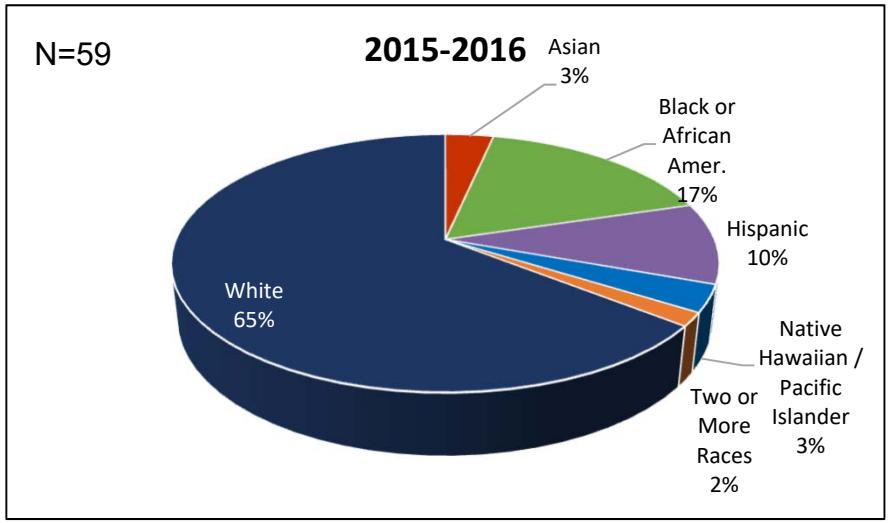
Excludes individuals whose race / ethnicity is not reported.

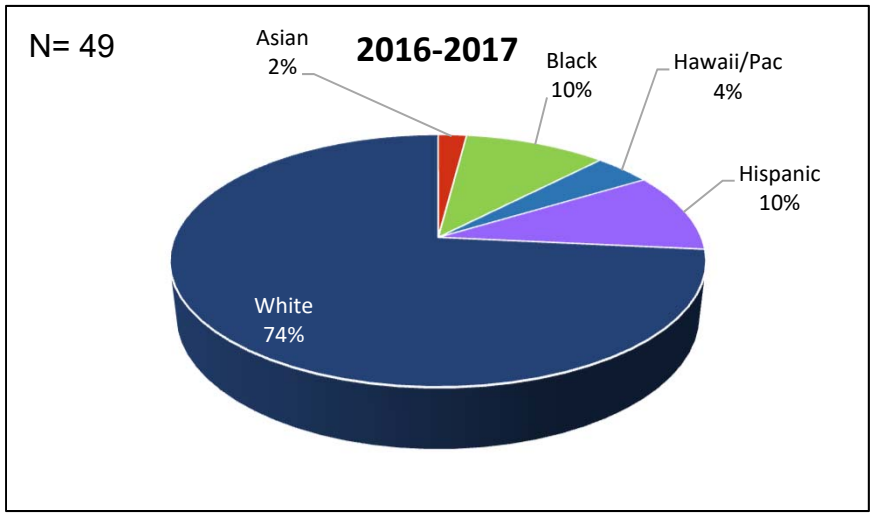
Source: IR Program Assessment Data

Race / Ethnicity
Air Conditioning, Refrigeration, and Heating Mechanic #105400









DSC Averages 2016-2017						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0.4%	**2%**	**14%**	**15%**	**0.2%**	**2%**	**66%**

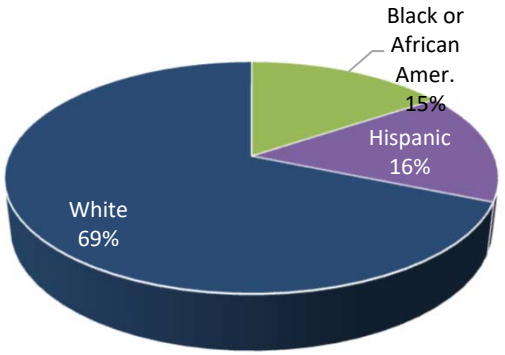
Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data

Race / Ethnicity
Automotive Collision Repair and Refinishing #109700

N=32

2013-2014



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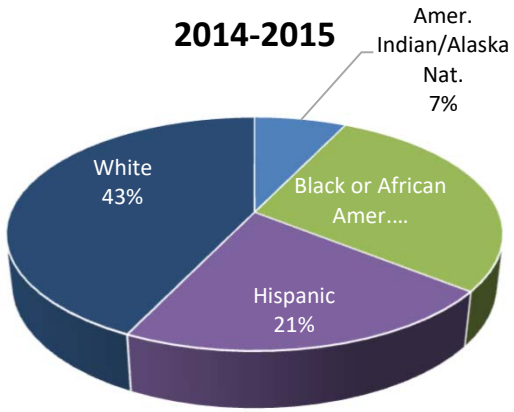
2014-2015



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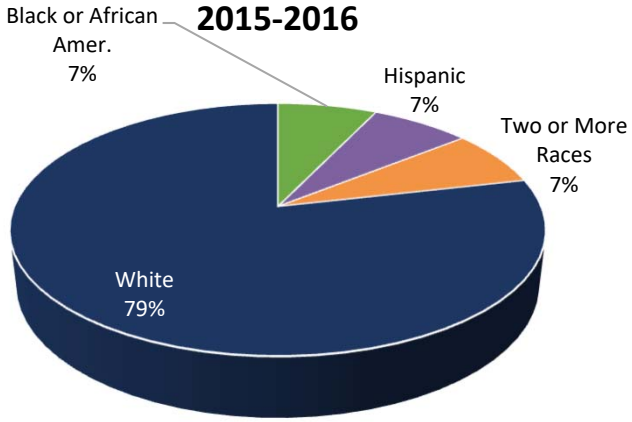
2015-2016



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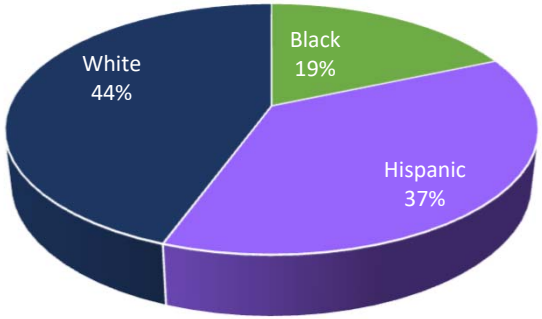
2016-2017

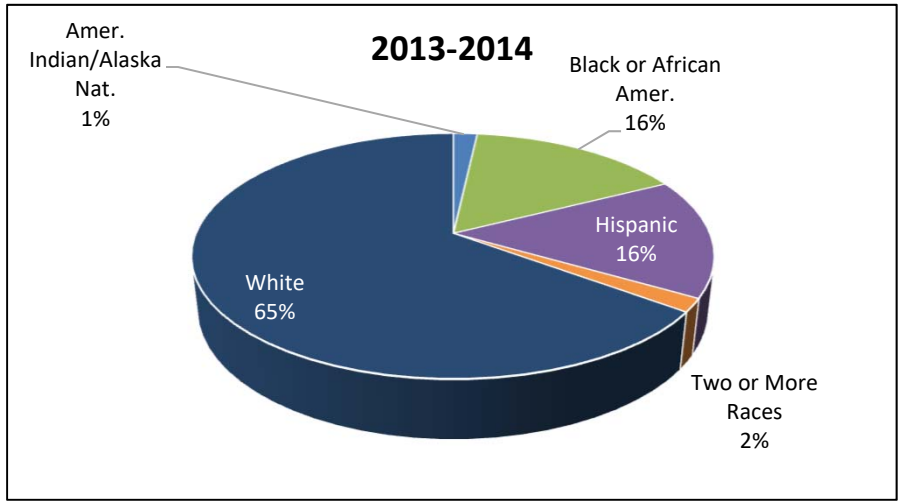


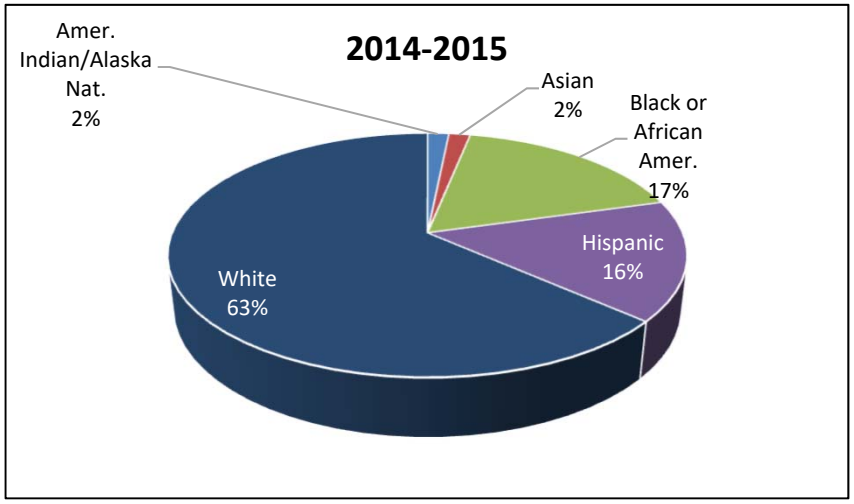
DSC Averages 2016-2017						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0.4%	**2%**	**14%**	**15%**	**0.2%**	**2%**	**66%**

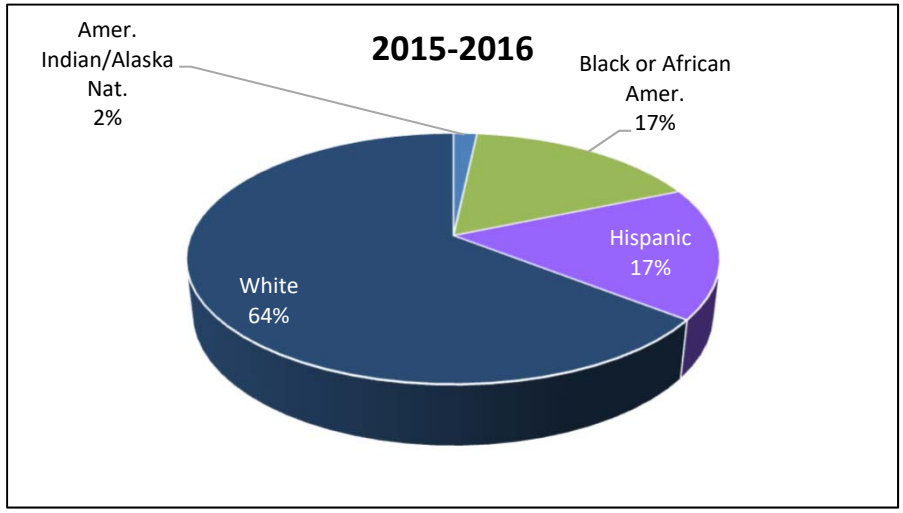
Excludes individuals whose race / ethnicity is not reported.

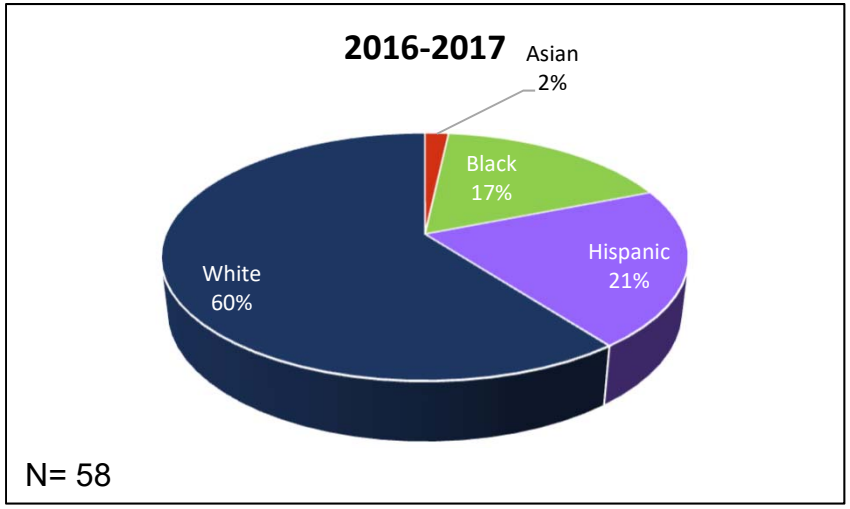
Source: IR Program Assessment Data

Race / Ethnicity
Automotive Service Technology #120100







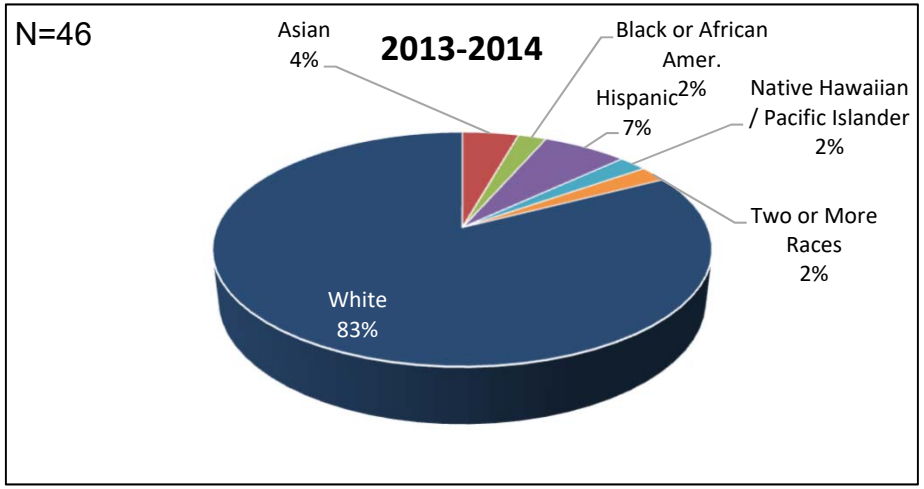


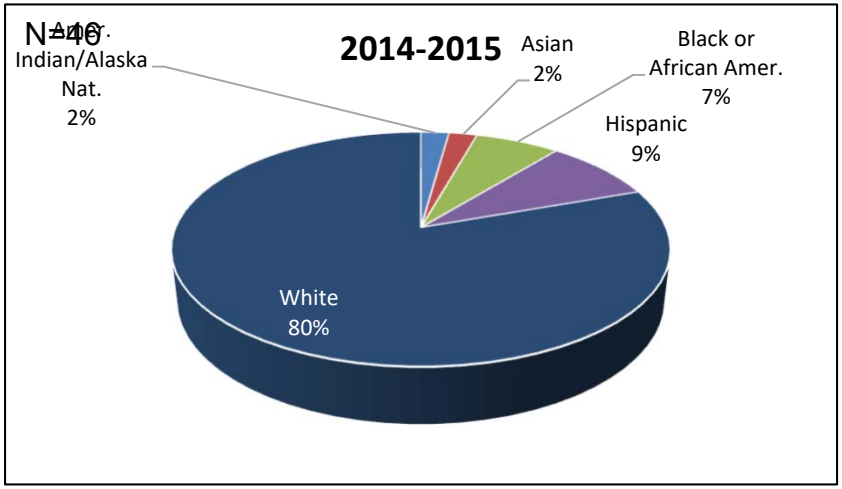
DSC Averages 2016-2017						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0.4%	**2%**	**14%**	**15%**	**0.2%**	**2%**	**66%**

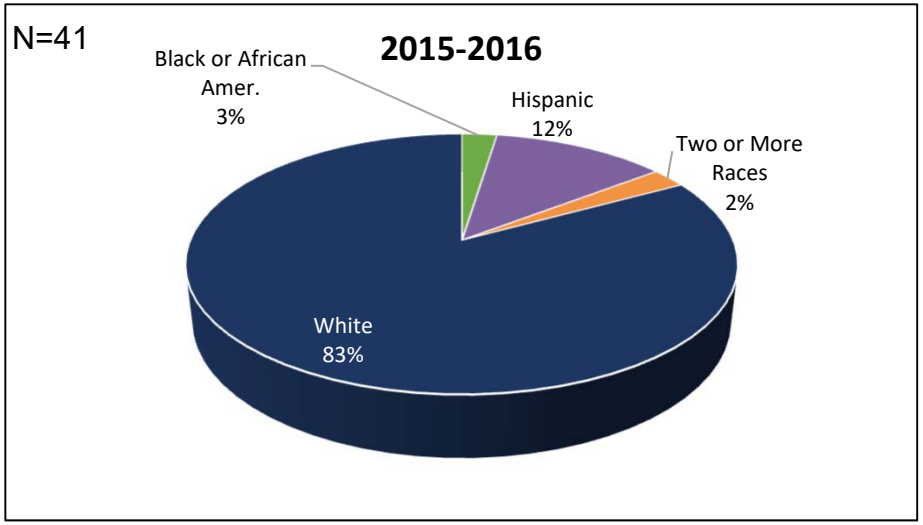
Excludes individuals whose race / ethnicity is not reported.

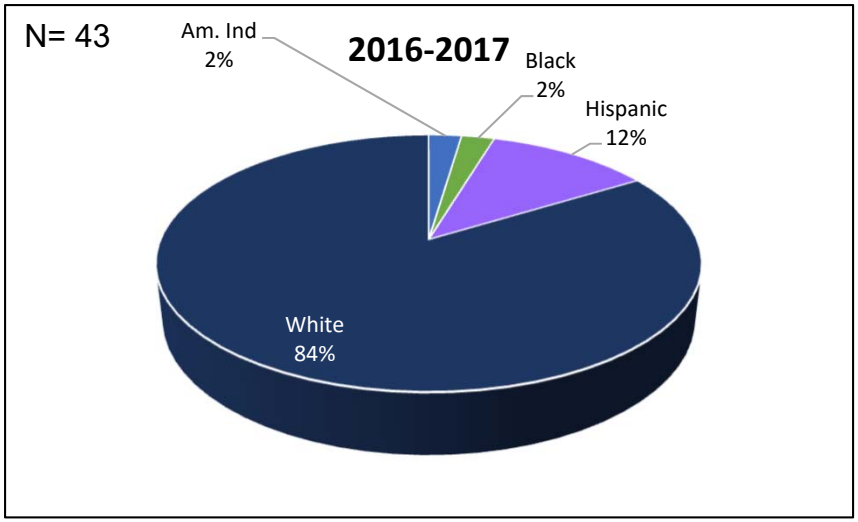
Source: IR Program Assessment Data

Race / Ethnicity
Machining #120200







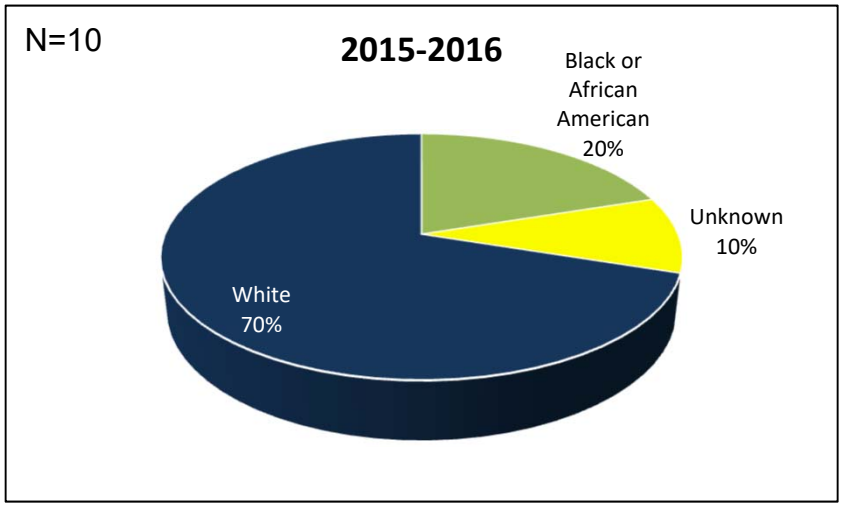


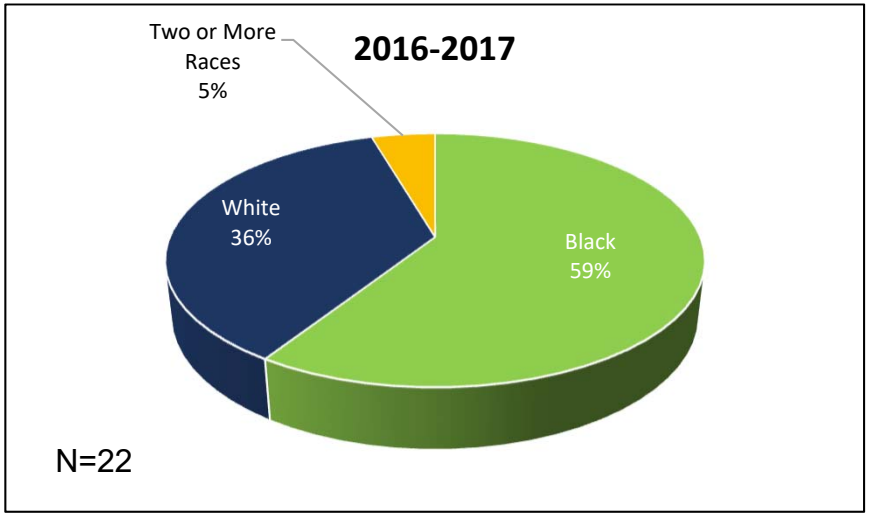
DSC Averages 2016-2017						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0.4%	**2%**	**14%**	**15%**	**0.2%**	**2%**	**66%**

Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data

Race / Ethnicity
Building Trades and Construction Design Technology #120900





DSC Averages 2016-2017						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0.4%	**2%**	**14%**	**15%**	**0.2%**	**2%**	**66%**

Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data