ASSESSMENT DAY

College of Workforce, Continuing and Adult Education

School of Workforce Careers

September 29, 2016

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)

1033 - Welding Technology - Applied

Courses (1 of 3)

ACR0001C Physical Principles I and Lab

ACR0002C Physical Principles II and Lab

ACR0061C Psychrometrics and Lab

ACR0062C Heat Load Calculations and Lab

ACR0100C Basic Electricity I and Lab

ACR0102C Basic Electricity II and Lab

ACR0150C A/C Motors and Controls and Lab

ACR0205C Refrigerants I and Lab

ACR0506C Residential Air Conditioning and Refrigeration and Lab

ACR0600C Fossil Fuel Heating and Lab

ACR0601C Heat Pumps and Lab

ACR0741C Commercial Refrigeration I and Lab

ACR0742C Commercial Refrigeration II and Lab

ACR0815C Advanced Service Practice and Lab

ACR0850C Air Conditioning Wiring and Lab

AER0014C Automotive Service Assistor and Lab

AER0033C Shop Math, Safety and Blueprint Reading and Lab

AER0102C Engine Theory and Lab

AER0110C Engine Mechanical Service and Repair and Lab

AER0152C Engine Assembly and Testing and Lab

AER0172C Automotive Heating and Air Conditioning Systems and Lab

AER0257C Automotive Transmission and Transaxles and Lab

AER0274C Manual Drivetrain and Axle and Lab

AER0360C Electricity/Electronics Fundamentals and Lab

AER0418C Automotive Brake Systems and Lab

AER0453C Automotive Steering and Suspension and Lab

AER0461C Chassis and Brake System and Lab

AER0503C Automotive Engine Performance and Lab

AER0608C Electronics and Lab

AER0811C Electronic System Management and Lab

Courses (2 of 3)

AER0831C Ignition Theory and Lab

AER0844C

ARR0121C Introduction to Refinishing and Lab

ARR0122C Refinishing and Lab

ARR0123C Advanced Refinishing and Lab

ARR0241C Introduction to Collision Repair and Lab

ARR0242C Collision Repair and Lab

ARR0243C Advanced Collision Repair and Lab

ARR0244C Basic Collision and Refinishing Overview (Work On Your Own Car) and Lab

ARR0330L

ARR0381C Introduction to Unibody and Frame and Lab

ARR0382C Unibody and Frame II and Frame

ARR0905 Directed Study in Automotive Body Repair and Refinishing

ARR0949 Cooperative Education Experience in Automotive Body Repair and Refinishing

BCT2990 Technical Training

BCV0080L Building Construction Assistant I Lab

BCV0081L Carpentry and Masonry Technician Lab

BCV0082L Electrical and Plumbing Technician Lab

BCV0084L Building Construction Assistant II Lab

DIM0810 Transit Equipment Preventive Maintenance

DIM0811 Transit Basic Electrical Systems

DIM0812 Transit Wheelchair Lift/Ramp

DIM0813 Transit Diesel Engine Preventive Maintenance

DIM0814 Transit Steering and Suspension

DIM0820 Transit Hydraulics

DIM0821 Transit Diesel Electrical and Diesel Engine Electronics

DIM0822 Transit Drivetrain

DIM0823 Transit Intermediate Electrical Systems

DIM0824 Transit Brakes/Air Systems

DIM0830 Transit Alternative Fuel Systems

Courses (3 of 3)

DIM0831 Transit Advanced Electrical Systems

DIM0832 Transit Heating and Air Conditioning

DIM0833 Transmission Diagnosis, Rebuild and Repair

DIM0834 Diesel Engine Diagnosis, Repair and Rebuild

PMT0106C Introduction to Welding I and Lab

PMT0109C Introduction to Welding II and Lab

PMT0121C Welding III (Shield Metal Arc) and Lab

PMT0131C Welding VII (Gas Tungsten Arc) and Lab

PMT0134C Welding V (Gas Metal Arc) and Lab

PMT0154C Welding IV (Plasma Cut Welding and Introduction to MIG) and Lab

PMT0161C Welding VI (Introduction to Pipe Welding) and Lab

PMT0171C Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding) and Lab

PMT0211C Welding III (Shield Metal Arc) and Lab

PMT0215C Precision Machining II and Lab

PMT0251C CNC Operations I and Lab

PMT0255C CNC Operations II and Lab

PMT0260C CAD/CAM Programming I and Lab

PMT0265C CAD/CAM Programming II and Lab

PMT0290 Cooperative Education Experience in Machining

PMT0440C

PMT0441C

PMT0442C

PMT0720C Computer Numerical Control (CNC) III and Lab

TDR0304C Computer Aided Drafting CAD and Lab

Last Assessment Day Action Items

Assessment Meeting: 10/02/2015

- Offer orientation before classes start,
- Update website (programs and courses),
- Research automotive (two certificates),
- Work towards targets set for 15/16.

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.

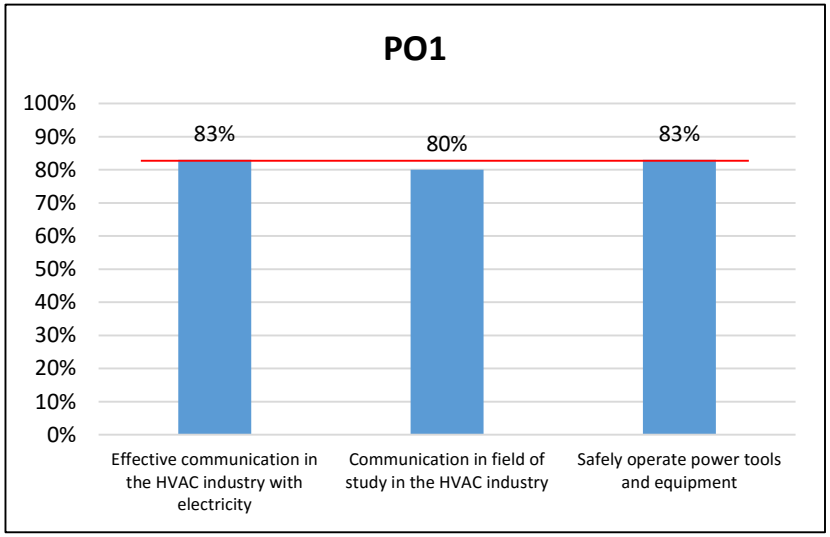
PO2: Identify and use different tools, equipment, material and electrical products used in the industry.

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

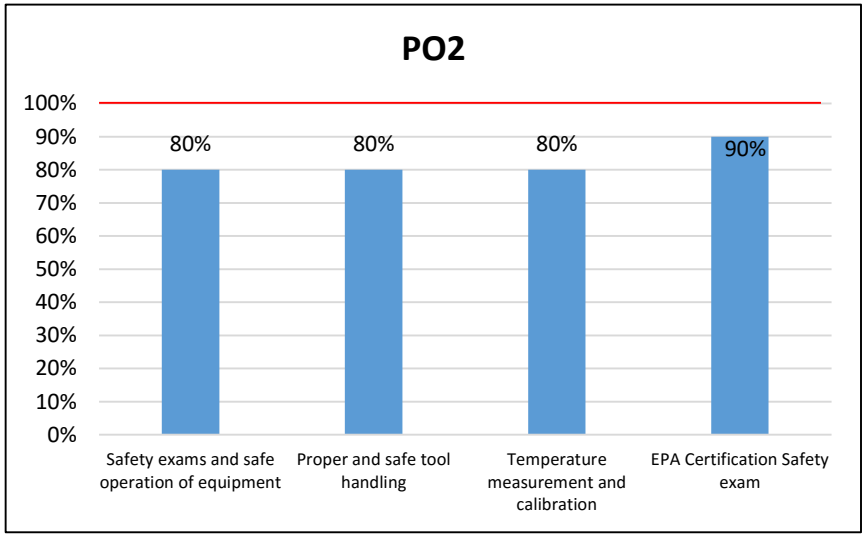
PO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

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

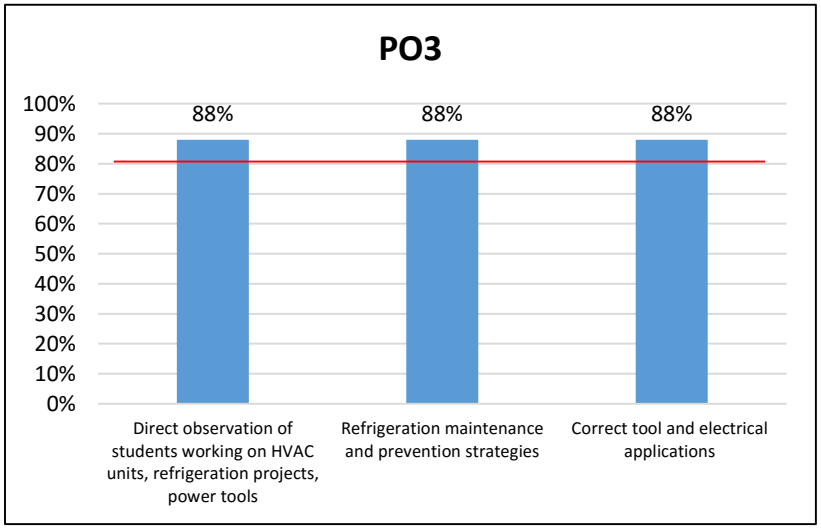
Assessment Data 2014-2015
1054 – Air Conditioning, Refrigeration and Heating Mechanic



Demonstrate knowledge and ability to safely follow rules and regulations to industry standards



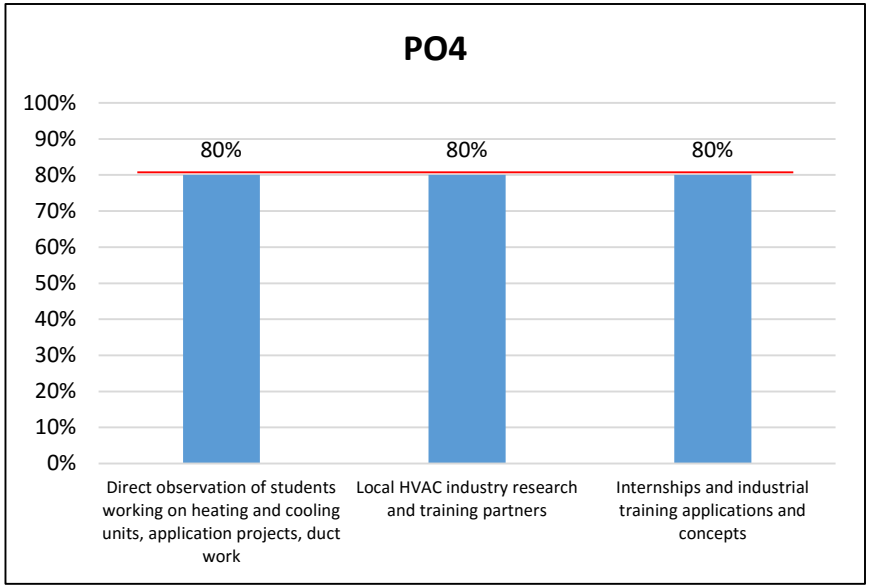
Identify and use different tools, equipment, material and electrical products used in the industry



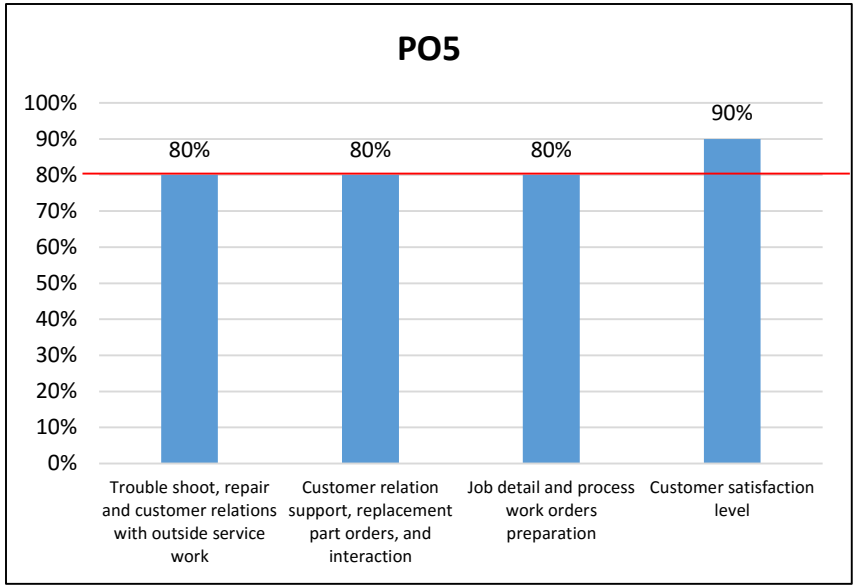
Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety

Source: School of Education Assessment Reports

Assessment Data 2014-2015
1054 – Air Conditioning, Refrigeration and Heating Mechanic



Demonstrate knowledge and skill in the residential, commercial and industrial markets



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

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.

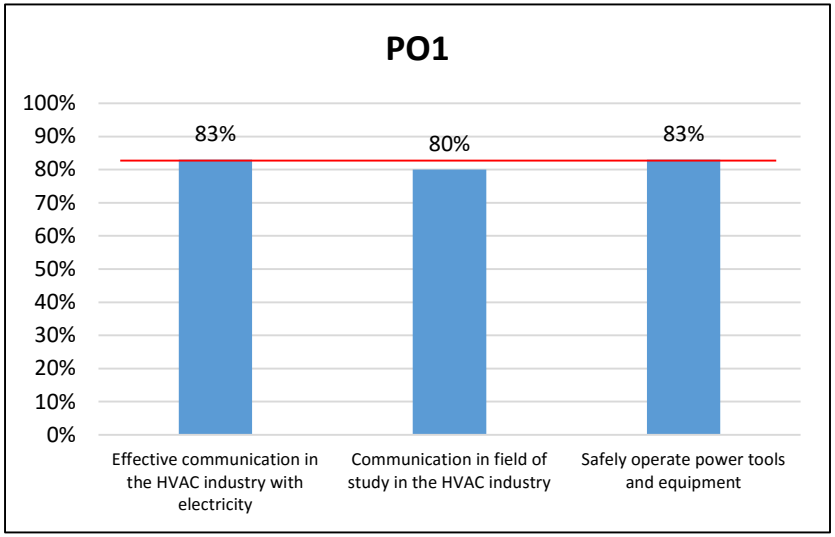
PO2: Identify and use different tools, equipment, material and electrical products used in the industry.

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

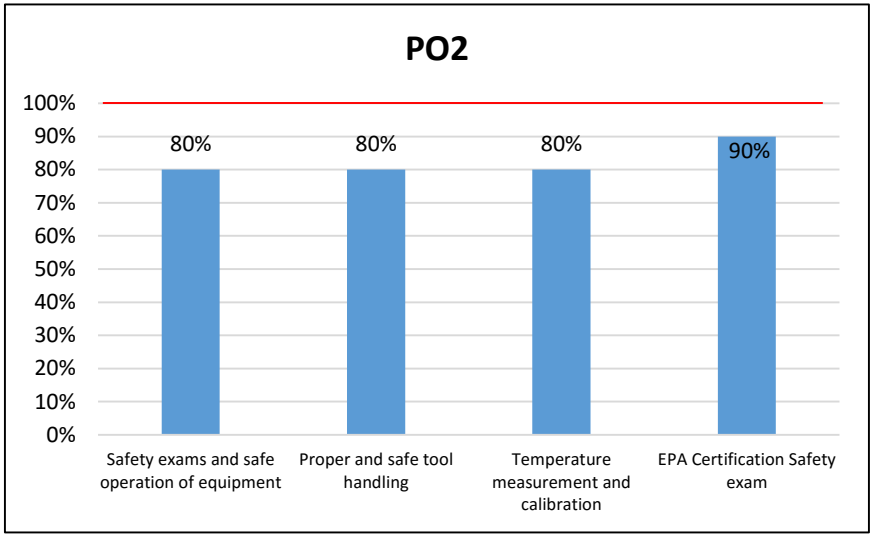
PO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

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

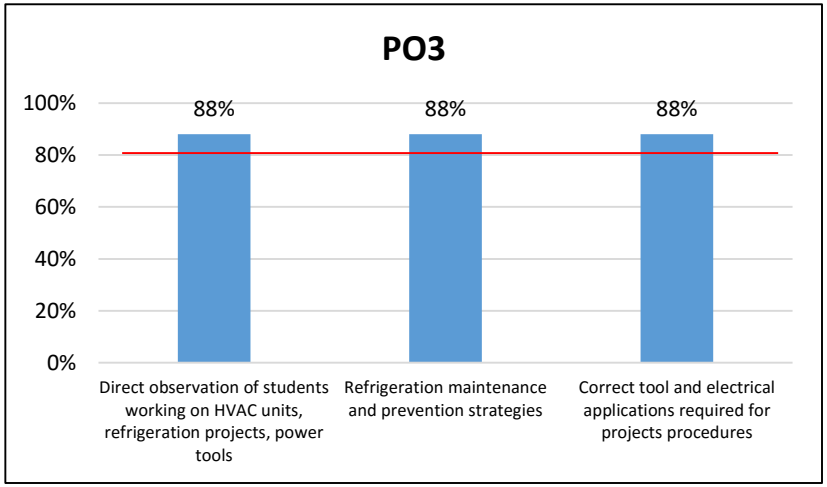
Assessment Data 2014-2015
1011 - Air Conditioning, Refrigeration, and Heating Tech.



Demonstrate knowledge and ability to safely follow rules and regulations to industry standards



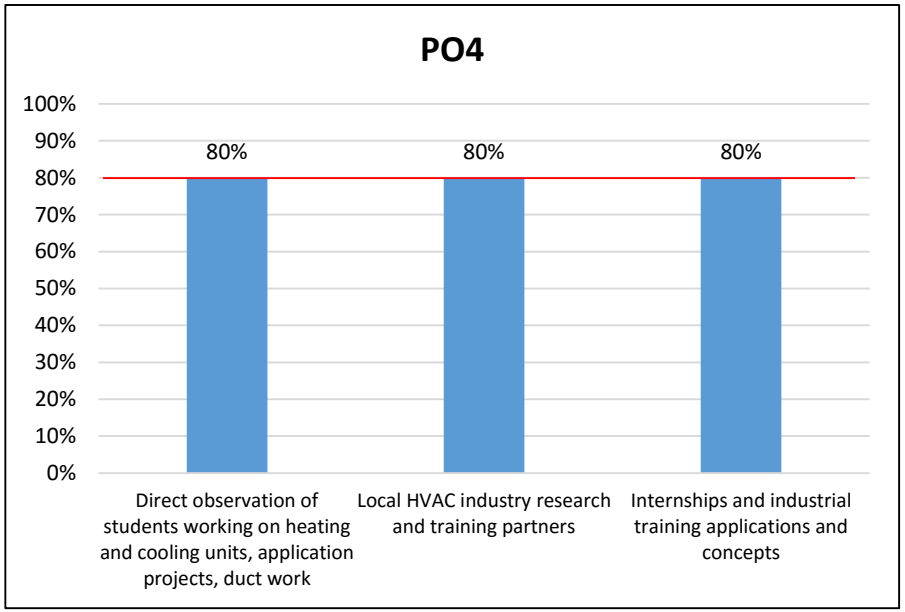
Identify and use different tools, equipment, material and electrical products used in the industry



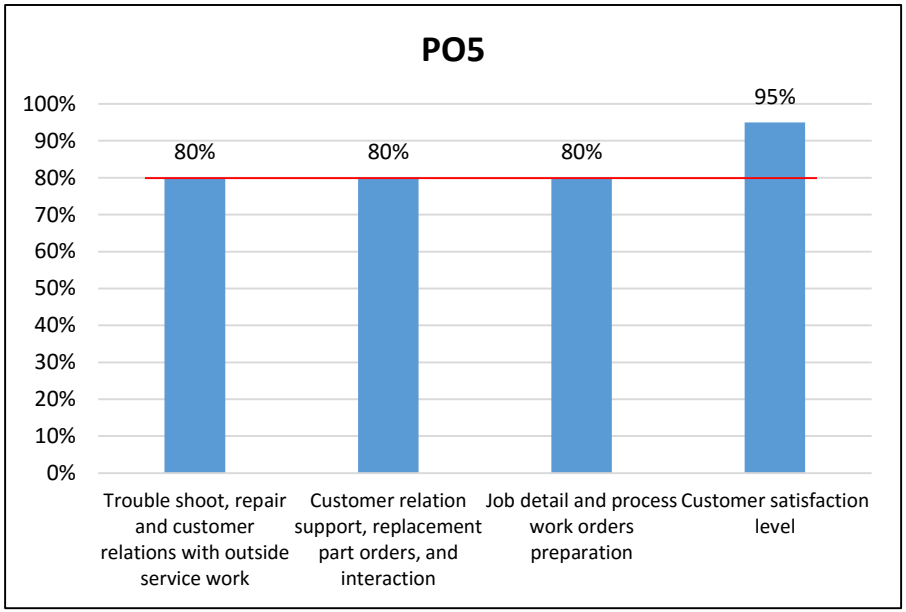
Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety

Source: School of Education Assessment Reports

Assessment Data 2014-2015
1011 - Air Conditioning, Refrigeration, and Heating Tech.



Demonstrate knowledge and skill in the residential, commercial and industrial markets



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

Source: School of Education Assessment Reports

1097 - Automotive Collision Repair and Refinishing Program Learning Outcomes

Graduates of the program will be able to:

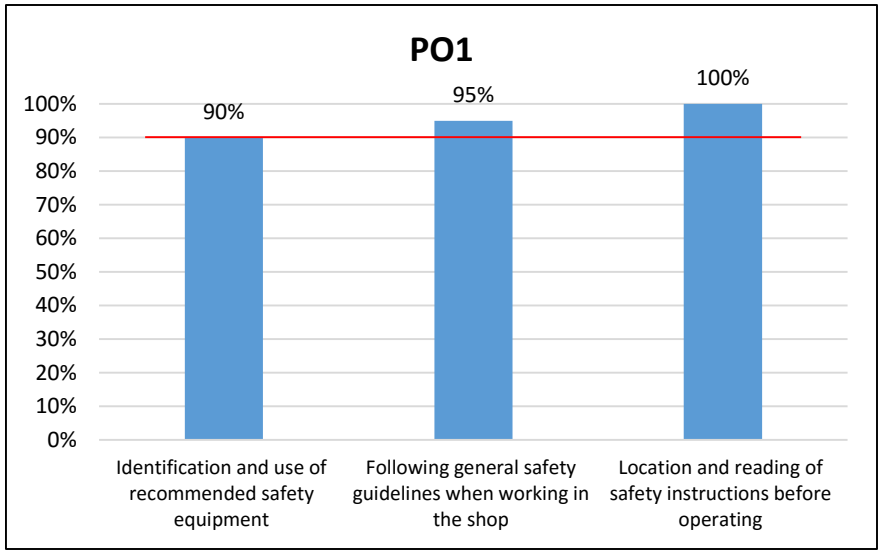
PO1: Demonstrate knowledge and ability to safely follow rules and regulations to I-CAR standards.

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

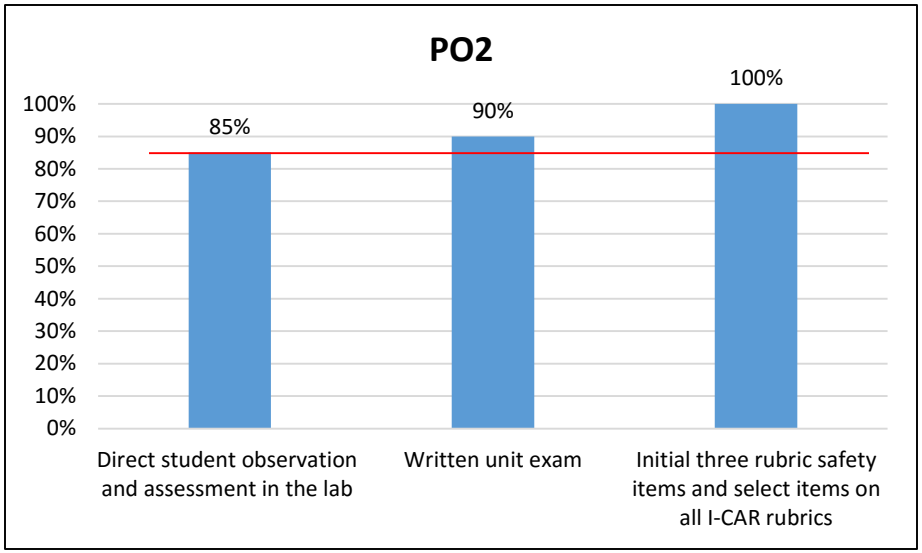
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.

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

Assessment Data 2014-2015
1097 - Automotive Collision Repair and Refinishing



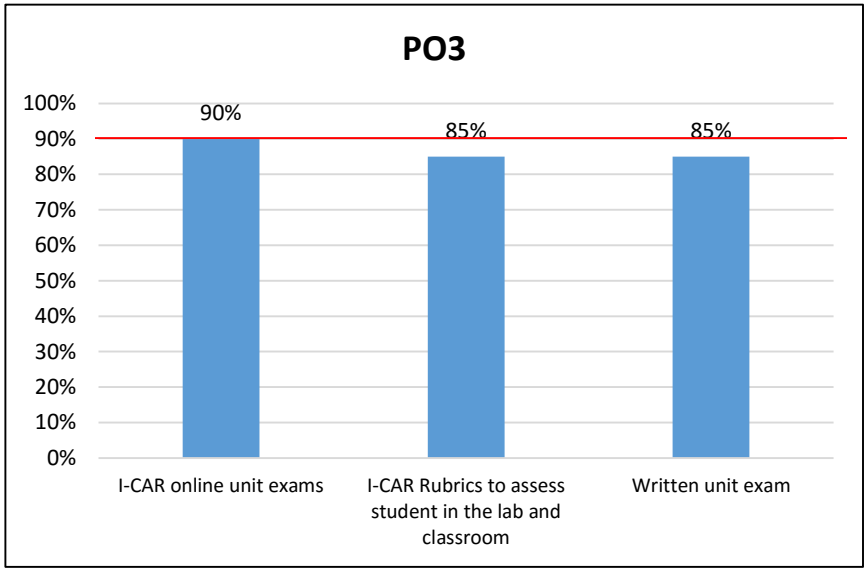
Demonstrate knowledge and ability to safely follow rules and regulations to I-CAR standards



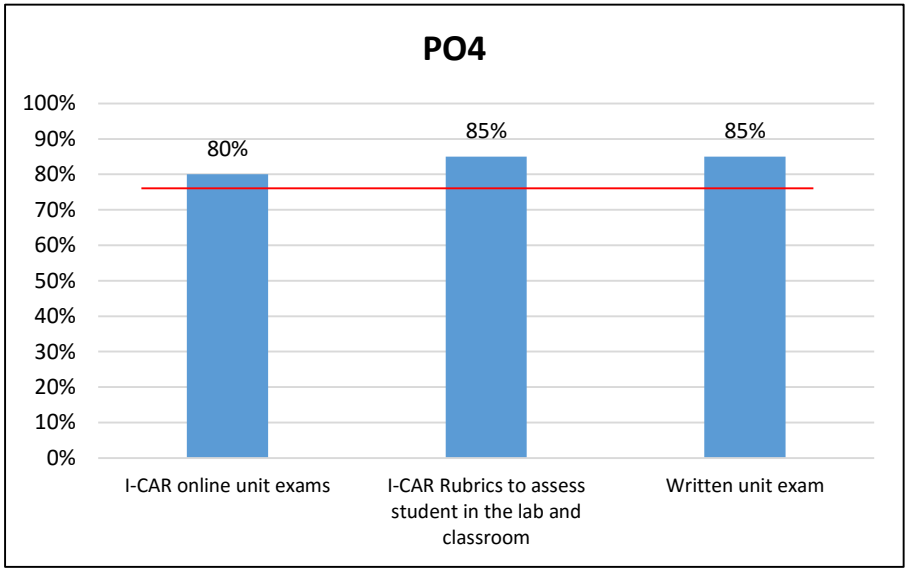
Identify and use different tools, equipment, material and computerized products used in the industry

Source: School of Education Assessment Reports

Assessment Data 2014-2015
1097 - Automotive Collision Repair and Refinishing



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



Demonstrate knowledge and skills of all aspects of collision repair and refinishing

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.

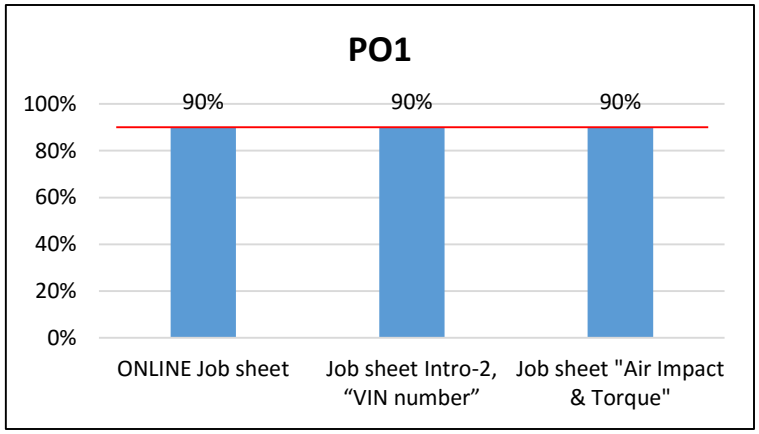
PO4: Diagnose, service, and repair automotive electrical and electronic systems.

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

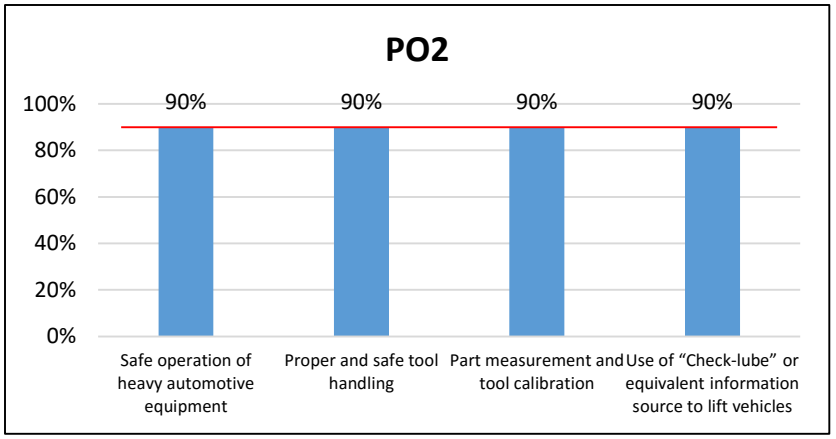
PO6: Diagnose, service, and repair automotive manual and automatic transmissions, rear axles, and transaxles.

PO7: Diagnose, service, and repair automotive engines.

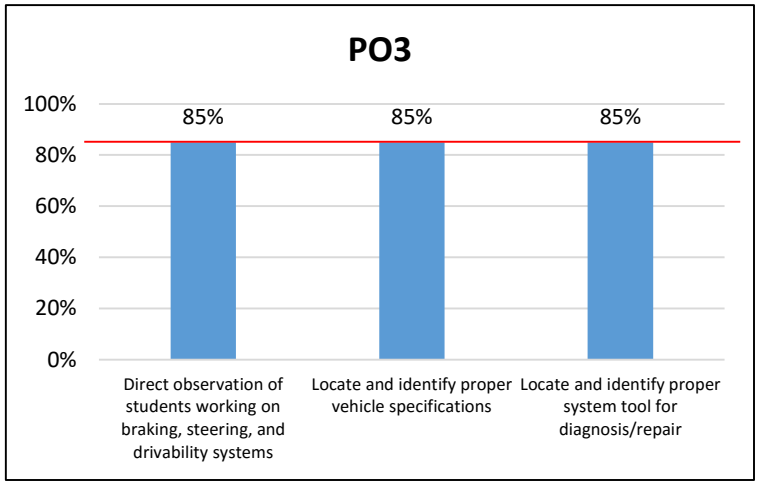
Assessment Data 2014-2015
1201 - Automotive Service Technology



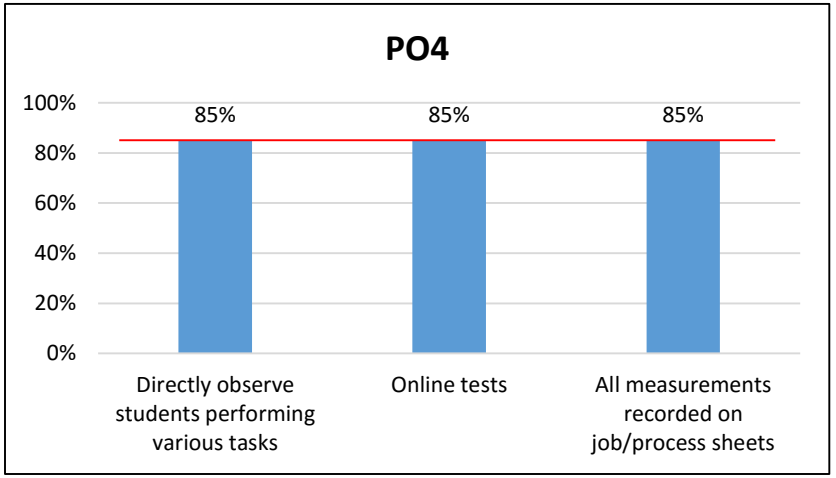
Demonstrate appropriate mathematical and scientific employability and communication skills by written or hands-on assessment



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

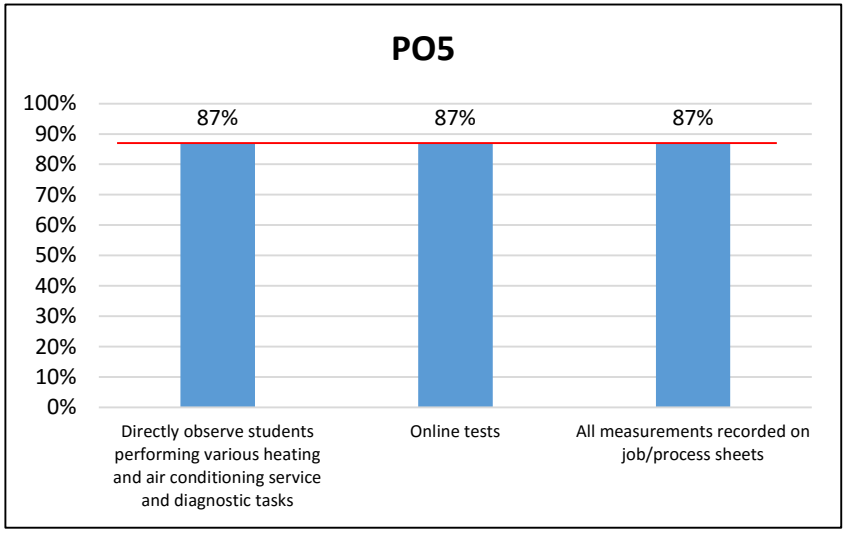


Diagnose, service, and repair automotive braking, steering and suspension, and drivability performance systems

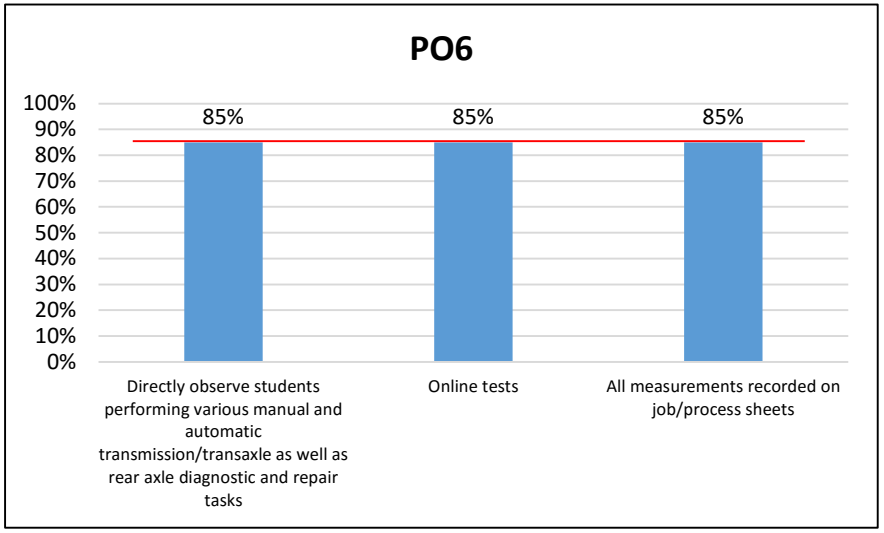


Diagnose, service, and repair automotive electrical and electronic systems

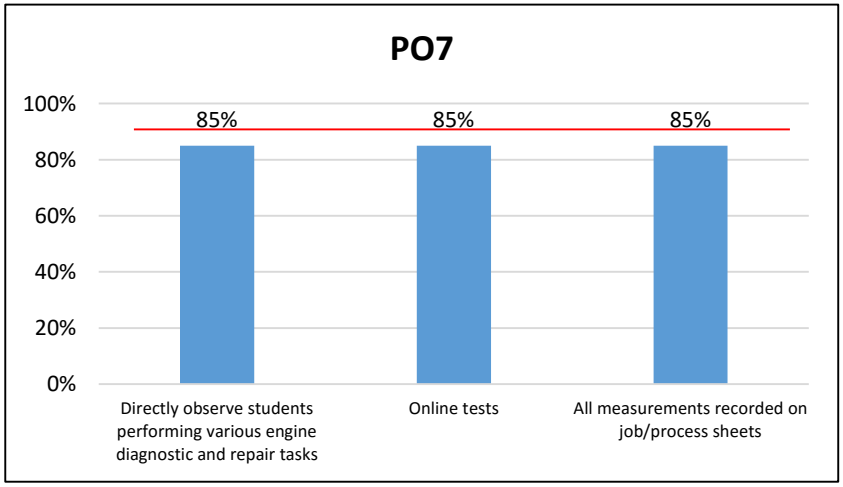
Assessment Data 2014-2015
1201 - Automotive Service Technology



Diagnose, service, and repair automotive heating and air conditioning systems



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



Diagnose, service, and repair automotive engines

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.

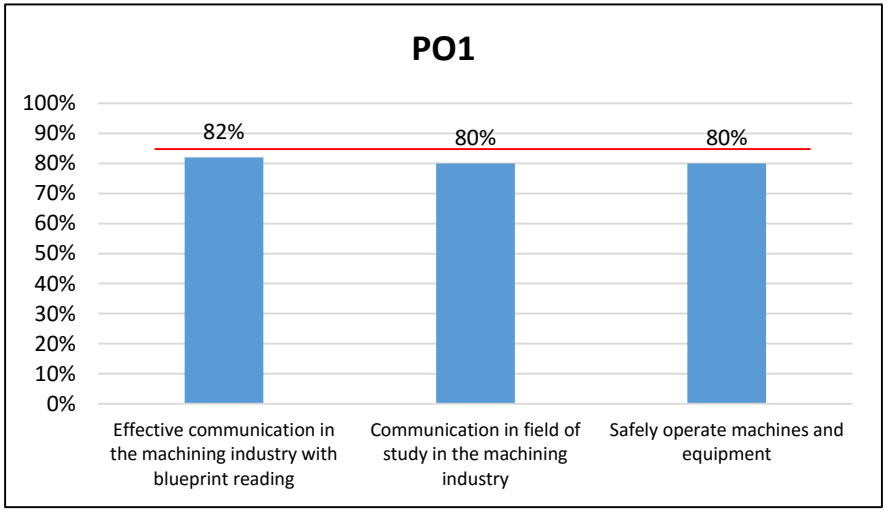
PO2: Identify and use different tools, equipment, material and measuring tools used in the industry.

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

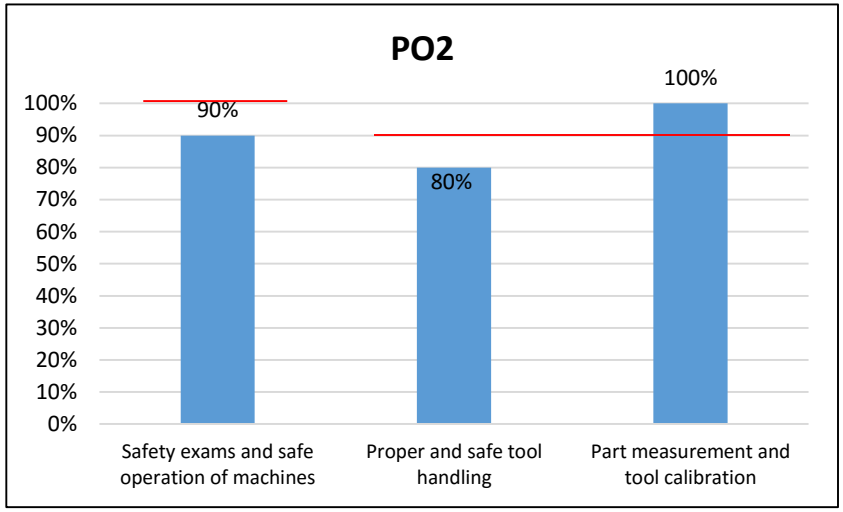
PO4: Demonstrate knowledge and skill in the industrial workplace.

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

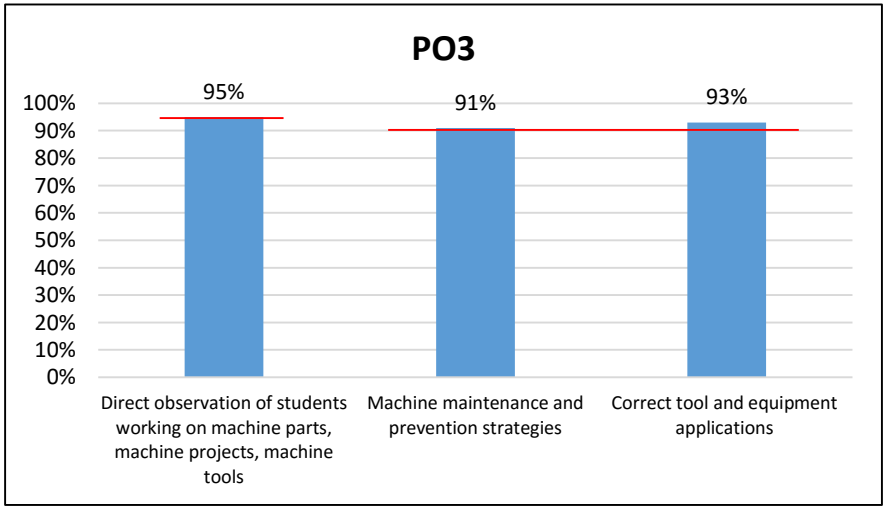
Assessment Data 2014-2015
1202 - Machining



Demonstrate knowledge and ability to safely follow rules and regulations to machining standards



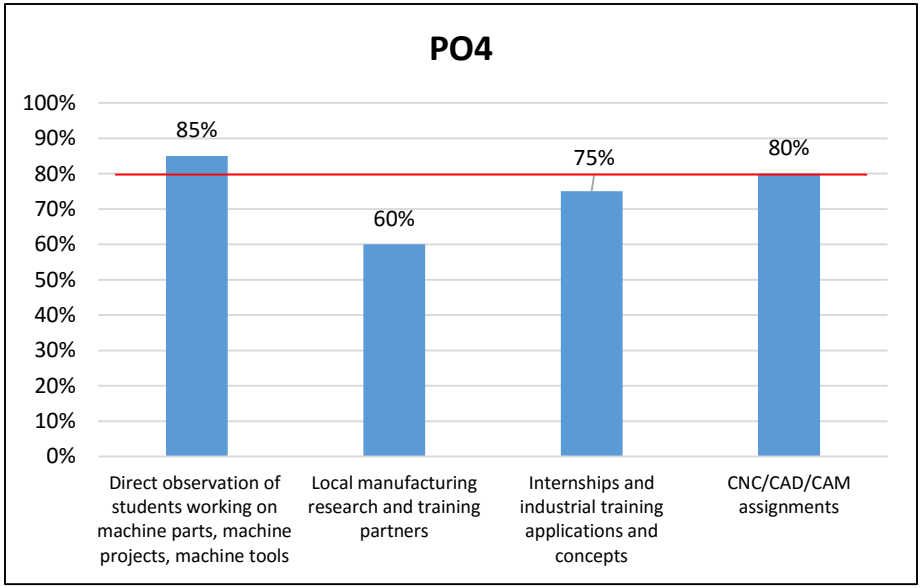
Identify and use different tools, equipment, material and measuring tools used in the industry



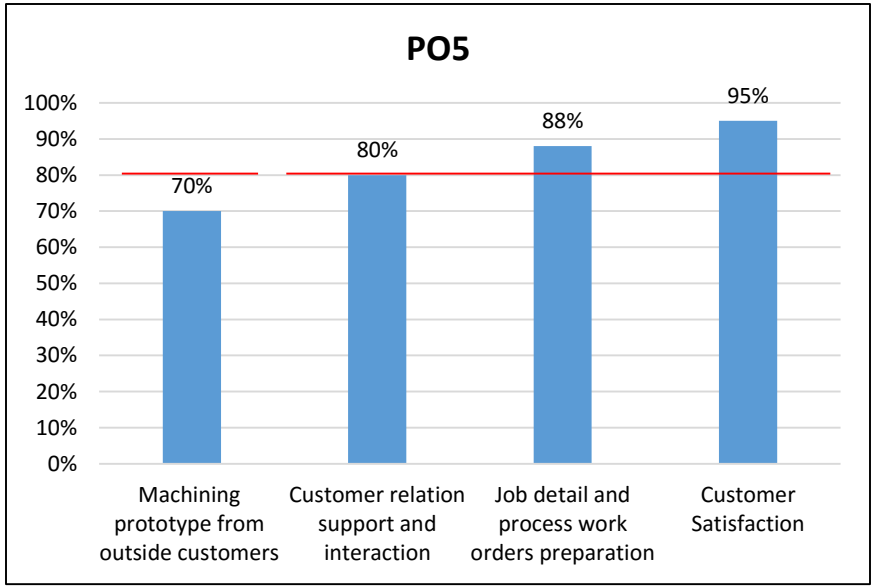
Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety

Source: School of Education Assessment Reports

Assessment Data 2014-2015
1202 - Machining



Demonstrate knowledge and skill in the industrial workplace



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

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.

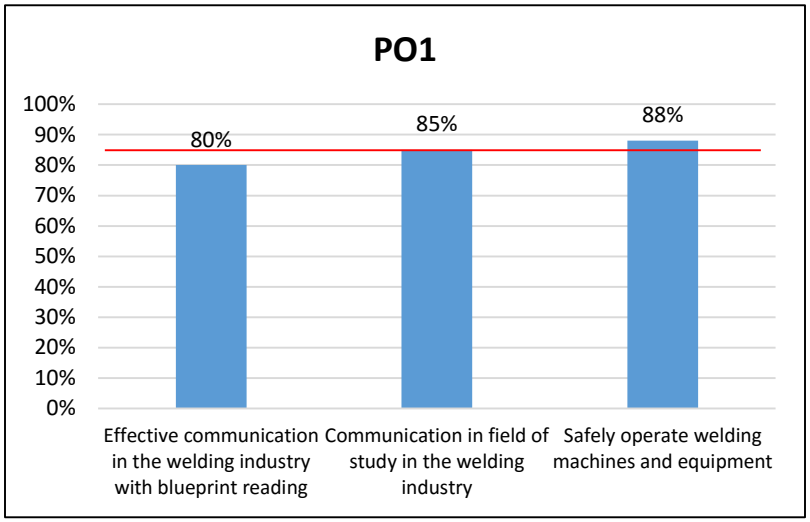
PO2: Identify and use different tools, equipment, material and electrical products used in the industry.

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

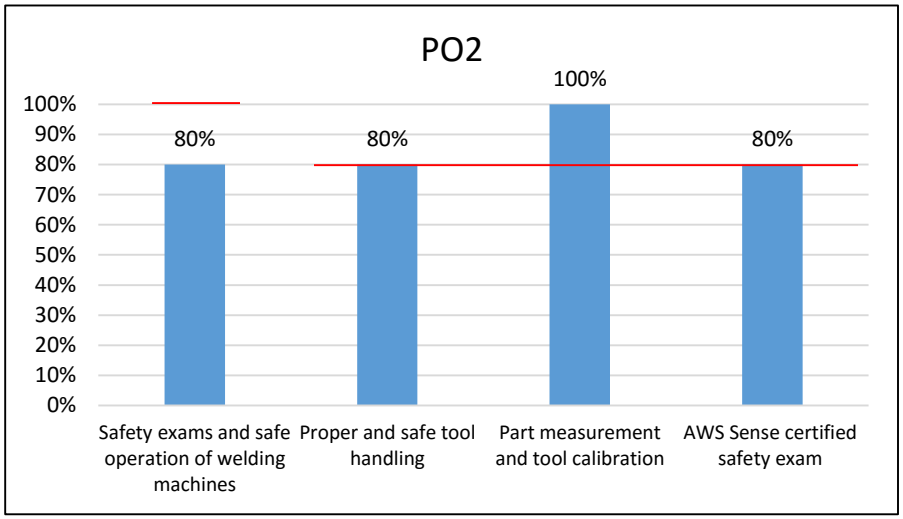
PO4: Demonstrate knowledge and skill in the welding, commercial and industrial markets.

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

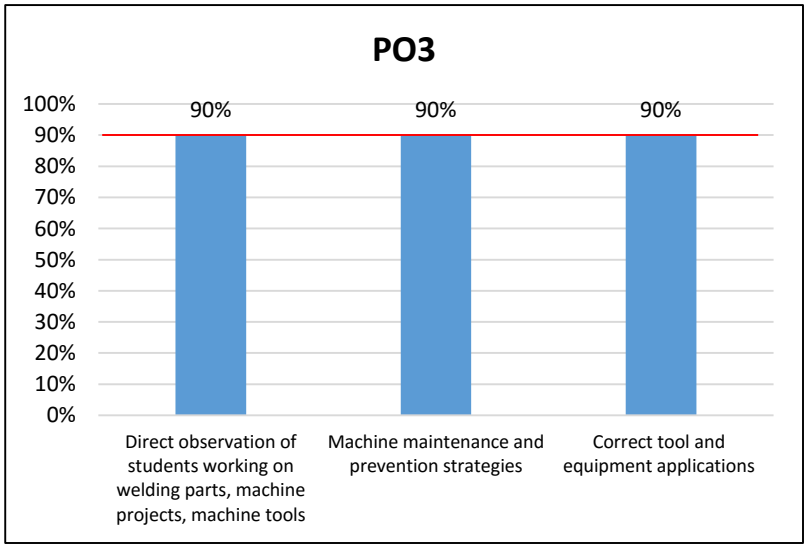
Assessment Data 2014-2015
1033 - Welding Technology - Applied



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



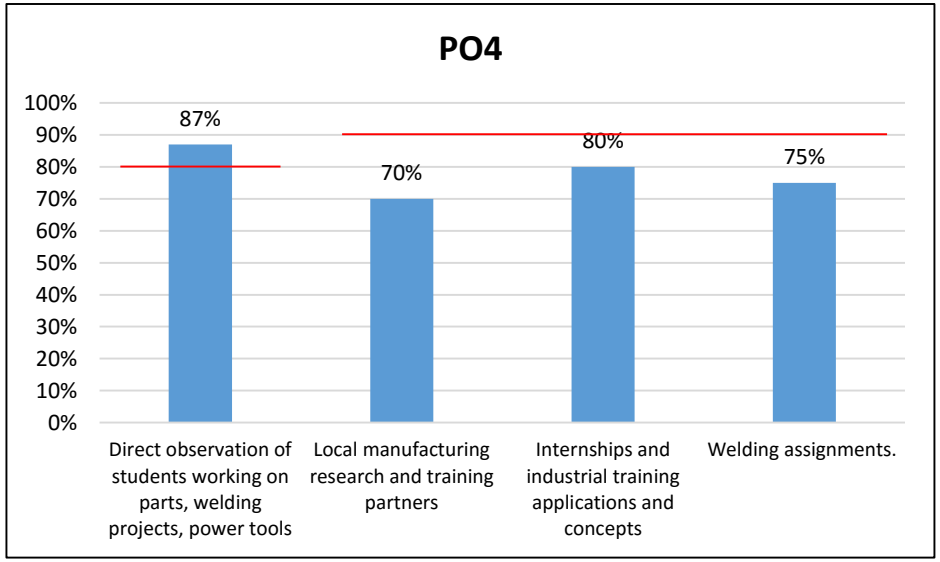
Identify and use different tools, equipment, material and electrical products used in the industry



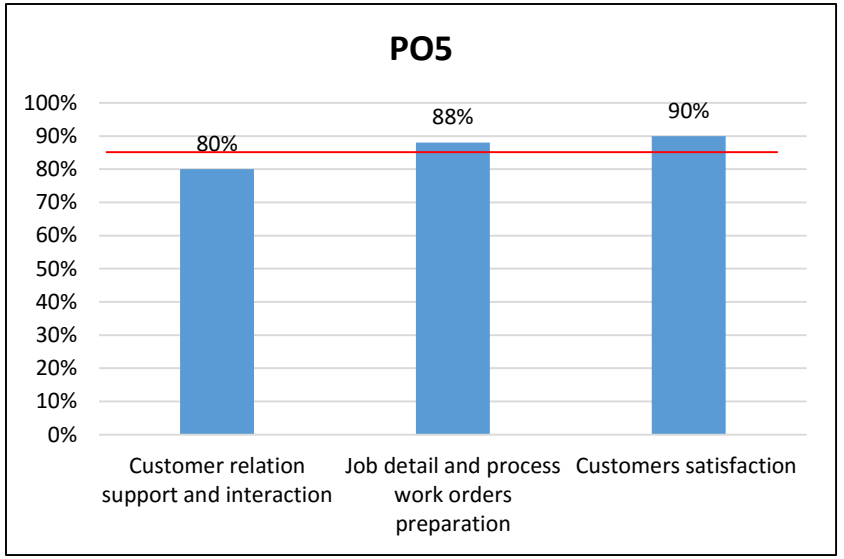
Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety

Source: School of Education Assessment Reports

Assessment Data 2014-2015
1033 - Welding Technology - Applied



Demonstrate knowledge and skill in the welding, commercial and industrial markets



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

Source: School of Education Assessment Reports

Assessment Data 2014-2015 and 2015-2016
Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	14/15	15/16	14/15	15/16	14/15	15/16	14/15	15/16
Air Conditioning, Refrigeration, and Heating Mechanic (1054)	70%	70%-85%	85%	85%	80%	83%	70%	70%-80%
Air Conditioning, Refrigeration, and Heating Technology (1011)	70%	70%-85%	85%	85%	80%	83%	80%	70%-80%
Automotive Collision Repair and Refinishing (1097)	80%	80%-90%	95%	95%-100%	88%	60%-90%	80%	100%
Automotive Service Technology (1201)	90%	90%	84%	84%	80%	82%	80%	85%
Machining (1202)	80%	80%-100%	90%	91%-95%	90%	80%-82%	85%	85%
Welding Technology – Applied (1033)	80%	75%-100%	80%	80%-100%	80%	80%-85%	80%	85%

Source: School of Education Assessment Reports

Course Success Rates

Major and Associated Courses (All courses offered in ONLY 1 IM and on ONLY 1 Campus)			2012-2013		2013-2014		2014-2015		2015-2016	
			# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1011- A/C, Refrigeration & Heating Tech ATC	ACR0001	Lecture	47	87%	43	84%	40	85%	40	80%
	ACR0002	Lecture	43	84%	39	67%	35	66%	36	78%
	ACR0061	Lecture	34	94%	36	86%	33	67%	28	86%
	ACR0062	Lecture	33	91%	37	76%	35	69%	26	81%
	ACR0100	Lecture	49	90%	45	89%	39	97%	42	79%
	ACR0102	Lecture	44	80%	40	80%	38	63%	40	65%
	ACR0150	Lecture	38	97%	36	89%	32	84%	25	100%
	ACR0205	Lecture	32	94%	39	77%	34	59%	28	50%
	ACR0506	Lecture	34	94%	34	88%	30	87%	25	100%
	ACR0600	Lecture	27	100%	28	82%	22	77%	18	89%
	ACR0601	Lecture	30	80%	27	70%	24	63%	19	84%
	ACR0741	Lecture	37	89%	35	97%	31	81%	27	96%
	ACR0742	Lecture	30	77%	28	82%	23	83%	18	78%
	ACR0815	Lecture	27	74%	25	72%	23	61%	18	94%
	ACR0850	Lecture	35	91%	34	76%	31	77%	25	96%
		Major	540	88%	526	81%	470	75%	415	82%
1033- Welding Technology DAYTONA	PMT0106	Lecture	42	95%	22	95%	48	92%	19	100%
	PMT0109	Lecture	26	81%	10	100%	21	90%	18	72%
	PMT0121	Lecture	17	88%	7	86%	18	94%	22	82%
	PMT0131	Lecture	19	84%	16	88%	10	100%	15	100%
	PMT0134	Lecture	19	74%	1	100%	8	100%	23	96%
	PMT0154	Lecture	14	93%	6	100%	18	89%	21	90%
	PMT0161	Lecture	16	81%	1	100%	8	100%	23	100%
	PMT0171	Lecture	18	72%	16	81%	9	100%	15	93%
	PMT0290	Lecture							18	94%
		Major	171	85%	79	91%	140	94%	174	92%

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

Source: IR Program Assessment Data

Course Success Rates

Major and Associated Courses (All courses offered in ONLY 1 IM and on ONLY 1 Campus)			2012-2013		2013-2014		2014-2015		2015-2016	
			# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1097-Automotive Collision Repair & Refinishing ATC	ARR0121	Lecture							8	88%
	ARR0122	Lecture							14	93%
	ARR0241	Lecture							8	88%
	ARR0242	Lecture							14	93%
	ARR0381	Lecture							7	71%
	ARR0382	Lecture							13	92%
		Major							64	89%
1201-Automotive Service Technology ATC	AER0014	Online	48	73%	14	93%	21	90%	21	95%
	AER0110	Online	9	100%	24	75%	20	85%	21	86%
	AER0172	Online	15	93%	20	85%	23	91%	20	90%
	AER0257	Online	25	76%	16	94%	21	48%	23	87%
	AER0274	Online	26	100%	20	90%	23	91%	24	88%
	AER0360	Online	14	71%	21	81%	25	64%	24	79%
	AER0418	Online	10	90%	25	68%	23	91%	21	95%
	AER0453	Online	17	88%	23	57%	18	100%	20	90%
	AER0503	Online	28	86%	19	74%	23	65%	23	57%
		Major	192	84%	182	78%	197	80%	197	85%
1202-Machining ATC	PMT0211	Lecture	34	91%	27	81%	32	88%	14	93%
	PMT0215	Lecture	31	100%	23	96%	28	100%	11	100%
	PMT0251	Lecture	20	95%	28	82%	19	89%	35	83%
	PMT0255	Lecture	24	100%	24	100%	18	83%	15	93%
	PMT0260	Lecture	21	95%	21	100%	20	100%	17	100%
	PMT0265	Lecture	21	100%	21	95%	19	100%	16	94%
	PMT0720	Lecture							21	100%
	TDR0304	Lecture	15	100%	20	95%	17	94%	11	100%
		Major	166	97%	164	92%	153	93%	140	94%
DSC		Hybrid		82%		81%		83%		81%
		Lecture		77%		77%		78%		80%
		Online		76%		75%		76%		78%

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 (1 of 3)

Major, Associated Courses and Session/ Sub-session				2012-2013		2013-2014		2014-2015		2015-2016	
				# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1011- A/C, Refrigeration & Heating Tech ATC	ACR0001	FA	Full term	26	81%	24	88%	20	90%	20	75%
		SP	Full term	21	95%	19	79%	20	80%	20	85%
	ACR0002	FA	Full term	22	91%	22	59%	18	72%	17	71%
		SP	Full term	21	76%	17	76%	17	59%	19	84%
	ACR0100	FA	Full term	26	88%	24	88%	19	100%	20	80%
		SP	Full term	23	91%	21	90%	20	95%	22	77%
	ACR0102	FA	Full term	23	74%	22	82%	19	68%	21	62%
		SP	Full term	21	86%	18	78%	19	58%	19	68%
	ACR0150	FA	Full term	17	100%	16	94%	15	87%	10	100%
		SP	Full term	21	95%	20	85%	17	82%	15	100%
	ACR0506	FA	Full term	16	100%	15	80%	15	93%	9	100%
		SP	Full term	18	89%	19	95%	15	80%	16	100%
	ACR0600	FA	Full term	14	100%	15	87%	10	90%	9	78%
		SP	Full term	13	100%	13	77%	12	67%	9	100%
	ACR0601	FA	Full term	14	64%	15	73%	11	82%	9	100%
		SP	Full term	16	94%	12	67%	13	46%	10	70%
	ACR0741	FA	Full term	17	100%	16	100%	15	93%	11	91%
		SP	Full term	20	80%	19	95%	16	69%	16	100%
	ACR0742	FA	Full term	15	60%	15	80%	10	90%	9	78%
		SP	Full term	15	93%	13	85%	13	77%	9	78%
	ACR0815	FA	Full term	14	57%	15	53%	11	82%	9	100%
		SP	Full term	13	92%	10	100%	12	42%	9	89%
	ACR0850	FA	Full term	16	100%	15	93%	15	87%	10	90%
		SP	Full term	19	84%	19	63%	16	69%	15	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 (2 of 3)

Major, Associated Courses and Session/ Sub-session				2012-2013		2013-2014		2014-2015		2015-2016	
				# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1033- Welding Technology Daytona	PMT0106	FA	A term	18	94%			24	88%	19	100%
			Full term			4	100%				
		SP	A term	24	96%	18	94%	20	95%		
			Full term					3	100%		
	PMT0109	FA	B term	15	93%			10	100%	18	72%
		SP	B term	11	64%	10	100%	11	82%		
	PMT0121	FA	A term	17	88%						
		SP	A term			7	86%	18	94%	22	82%
	PMT0134	FA	A term					8	100%	14	93%
		SP	A term	19	74%	1	100%			9	100%
	PMT0154	FA	B term	14	93%						
		SP	B term			6	100%	18	89%	21	90%
	PMT0161	FA	B term					8	100%	14	100%
		SP	B term	16	81%	1	100%			9	100%
	PMT0290	SP	A term							4	100%
			B term							7	100%
		SU	Full term							7	100%
1201- Auto Service Tech. ATC	AER0014	FA	Full term	21	76%	14	93%	21	90%	21	95%
		SP	Full term	27	70%						

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 (3 of 3)

Major, Associated Courses and Session/ Sub-session				2012-2013		2013-2014		2014-2015		2015-2016	
				# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1202-Machining ATC	PMT0211	FA	A term	17	88%	11	64%	17	88%	14	93%
		SP	A term			16	94%	15	87%		
			Full term	17	94%						
	PMT0215	FA	B term	14	100%	8	100%	15	100%	11	100%
		SP	B term			15	93%	13	100%		
			Full term	17	100%						
	PMT0251	FA	A term							18	78%
		SP	A term							17	88%
	TDR0304	FA	B term			11	91%	9	89%	1	100%
		SP	A term							10	100%
			B term			9	100%	8	100%		
			Full term	15	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

Average Class Size by Course

Major and Associated Courses (All courses offered in ONLY 1 IM and on ONLY 1 Campus)			2012-2013		2013-2014		2014-2015		2015-2016	
			# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size
1011- A/C, Refrigeration & Heating Tech ATC	ACR0001	Lecture	2	24	2	22	2	20	2	20
	ACR0002	Lecture	2	22	2	20	2	18	2	18
	ACR0061	Lecture	2	17	2	18	2	17	2	14
	ACR0062	Lecture	2	17	2	19	2	18	2	13
	ACR0100	Lecture	2	25	2	23	2	20	2	21
	ACR0102	Lecture	2	22	2	20	2	19	2	20
	ACR0150	Lecture	2	19	2	18	2	16	2	13
	ACR0205	Lecture	2	16	2	20	2	17	2	14
	ACR0506	Lecture	2	17	2	17	2	15	2	13
	ACR0600	Lecture	2	14	2	14	2	11	2	9
	ACR0601	Lecture	2	15	2	14	2	12	2	10
	ACR0741	Lecture	2	19	2	18	2	16	2	14
	ACR0742	Lecture	2	15	2	14	2	12	2	9
	ACR0815	Lecture	2	14	2	13	2	12	2	9
	ACR0850	Lecture	2	18	2	17	2	16	2	13
		Major	**30**	**18**	**30**	**18**	**30**	**16**	**30**	**14**
1033- Welding Technology Daytona	PMT0106	Lecture	3	14	1	18	2	17	1	19
	PMT0109	Lecture	2	13	1	10	2	11	1	18
	PMT0121	Lecture	1	17	1	7	1	18	1	22
	PMT0131	Lecture	1	19	1	16	1	10	1	15
	PMT0134	Lecture	1	19			1	8	2	12
	PMT0154	Lecture	1	14	1	6	1	18	1	21
	PMT0161	Lecture	1	16			1	8	2	12
	PMT0171	Lecture	1	18	1	16	1	9	1	15
		Major	**11**	**16**	**6**	**12**	**10**	**13**	**10**	**16**
1097- Automotive Collision Repair & Refinishing ATC	ARR0121	Lecture							1	8
	ARR0122	Lecture							1	14
	ARR0241	Lecture							1	8
	ARR0242	Lecture							1	14
	ARR0381	Lecture							1	7
	ARR0382	Lecture							1	13
		Major							**6**	**11**

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

Major and Associated Courses (All courses offered in ONLY 1 IM and on ONLY 1 Campus)			2012-2013		2013-2014		2014-2015		2015-2016	
			# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size
1201-Automotive Service Technology ATC	AER0014	Online	2	24	1	14	1	21	1	21
	AER0110	Online	1	9	1	24	1	20	1	21
	AER0172	Online	1	15	1	20	1	23	1	20
	AER0257	Online	1	25	1	16	1	21	1	23
	AER0274	Online	1	26	1	20	1	23	1	24
	AER0360	Online	1	14	1	21	1	25	1	24
	AER0418	Online	1	10	1	25	1	23	1	21
	AER0453	Online	1	17	1	23	1	18	1	20
	AER0503	Online	1	28	1	19	1	23	1	23
		Major	**10**	**19**	**9**	**20**	**9**	**22**	**9**	**22**
1202-Machining ATC	PMT0211	Lecture	2	17	2	14	2	16	1	14
	PMT0215	Lecture	2	16	2	12	2	14	1	11
	PMT0251	Lecture	1	20	2	14	1	19	2	18
	PMT0255	Lecture	1	24	2	12	1	18	1	15
	PMT0260	Lecture	1	21	1	21	1	20	1	17
	PMT0265	Lecture	1	21	1	21	1	19	1	16
	PMT0720	Lecture							1	21
	TDR0304	Lecture	1	15	2	10	2	9	1	10
		Major	**9**	**18**	**12**	**14**	**10**	**15**	**9**	**15**
DSC		**Hybrid**		22		22		22		21
		Lecture		23		23		22		22
		Online		27		28		29		30
College Total				**23.7**		**23.9**		**24.6**		**25**

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	FA12	5	3	60.0%	4	80.0%
	FA13	10	3	30.0%	3	30.0%
	FA14 – In Progress	3	0	0.0%	0	0.0%
	FA15 – In Progress	10	8	80.0%	8	80.0%
1033- Welding Tech- Applied	FA12	14	0	0.0%	3	21.4%
	FA13	3	1	33.3%	1	33.3%
	FA14 – In Progress	13	1	7.7%	1	7.7%
	FA15 – In Progress	14	4	28.6%	4	28.6%
1054- A/C Refrig and Heat Tech	FA12	22	9	40.9%	10	45.5%
	FA13	14	7	50.0%	7	50.0%
	FA14 – In Progress	13	9	69.2%	9	69.2%
	FA15 – In Progress	17	0	0.0%	0	0.0%
1097- Auto Collis Repair & Ref	FA12	18	3	16.7%	7	38.9%
	FA13	13	0	0.0%	4	30.8%
	FA14 – In Progress	0	NA	NA	NA	NA
	FA15 – In Progress	7	3	42.9%	3	42.9%
1201- Automotive Service Tech	FA12	24	3	12.5%	3	12.5%
	FA13	15	2	13.3%	8	53.3%
	FA15 – In Progress	31	10	32.3%	10	32.3%
1202- Machining	FA12	19	6	31.6%	7	36.8%
	FA13	19	8	42.1%	9	47.4%
	FA14 – In Progress	18	9	50.0%	9	50.0%
	FA15 – In Progress	11	3	27.3%	3	27.3%

Less than College average (150%- 44.8%, 200%- 49.23%)

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	2011	22	12	10			4	40%	40%
	2012	32	15	17			5	29%	29%
	2013	42	17	25			6	24%	24%
	2014	26	13	13	2	15.4%	2	15.4%	30.8%
1033- WELDING TECH-APPLIED	2011	39	19	20	3	15%	6	30%	45%
	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%
1054- A/C REFRIG AND HEAT MECH	2011	50	23	27	2	7%	2	7%	14%
	2012	44	13	31	6	19%	3	10%	29%
	2013	31	16	15			0	0%	0%
	2014	25	15	10	1	10%	0	0%	10%
1097- AUTO COLLIS REPAIR & REF	2011	40	9	31	2	6%	19	61%	67%
	2012	42	23	19	2	11%	8	42%	53%
	2013	23	6	17	5	29%	6	35%	64%
	2014	10	7	3			0	0%	
1201- AUTOMOTIVE SERV TECH	2011	19		19	3	16%	4	21%	37%
	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%
1202- MACHINING	2011	10		10	1	10%	2	20%	30%
	2012	25	7	18	3	17%	5	28%	45%
	2013	33	13	20			6	30%	30%
	2014	31	16	15			6	40%	40%

Less than College average (FT- 60.48%, PT- 52.08%)

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

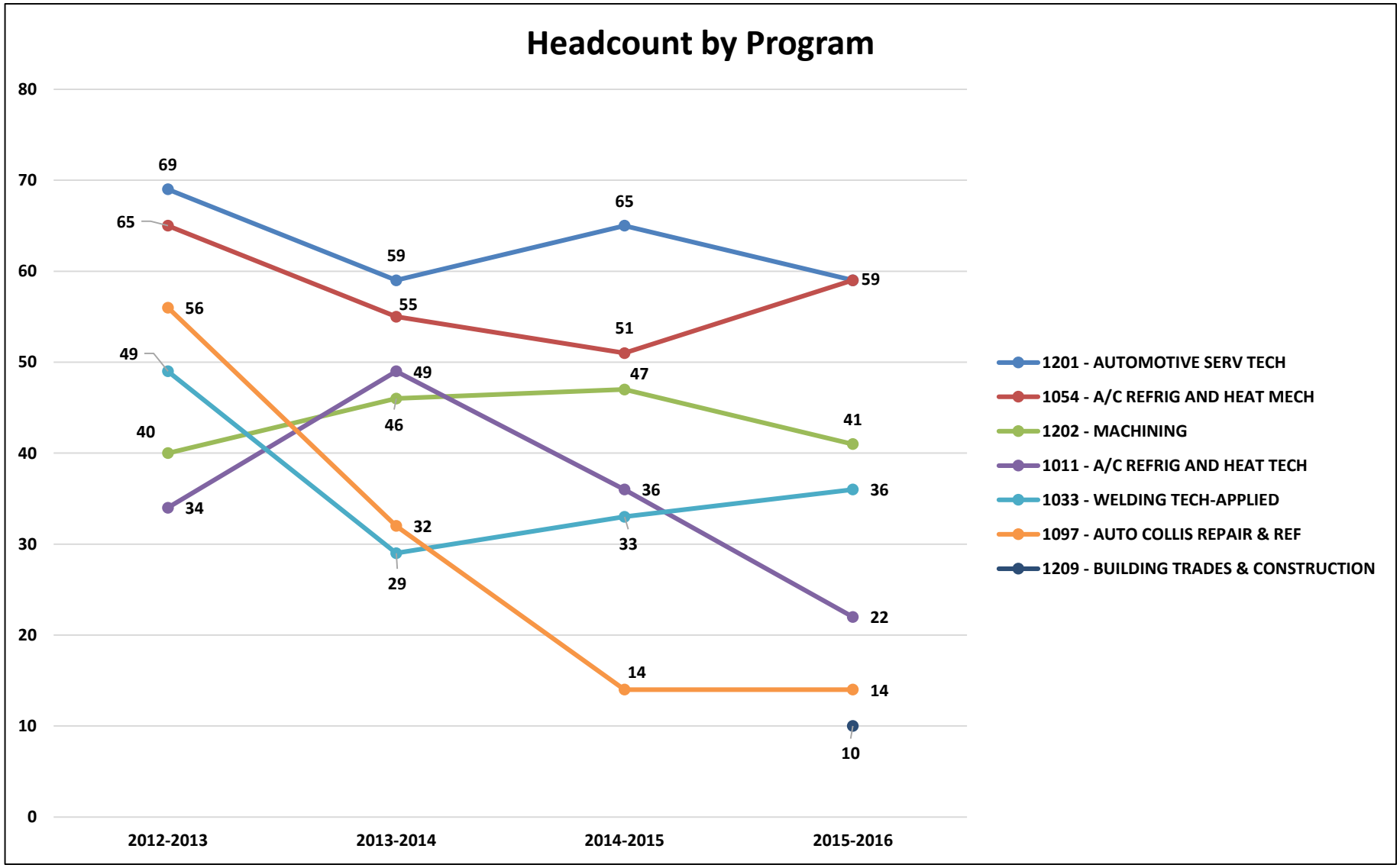
Placement Rates

Program Title	Major(s)	2010/11		2011/12		2012/13		2013/14		Average Annual Salary
		DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
Air Conditioning, Refrigeration, and Heating Technology	1011, 1054	75%	62%	71%	64%	33%	46%	75%	49%	$33,536
Automotive Collision Repair and Refinishing	1097	17%	50%	50%	63%	75%	58%	75%	54%	$**,***
Automotive Service Technology	1201	56%	65%	N/A	N/A	67%	71%	75%	66%	$**,***
Machining	1202	N/A	N/A	N/A	N/A	100%	100%	71%	64%	$**,***
Welding Technology - Applied	1033	89%	74%	46%	61%	56%	52%	33%	55%	$**,***

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

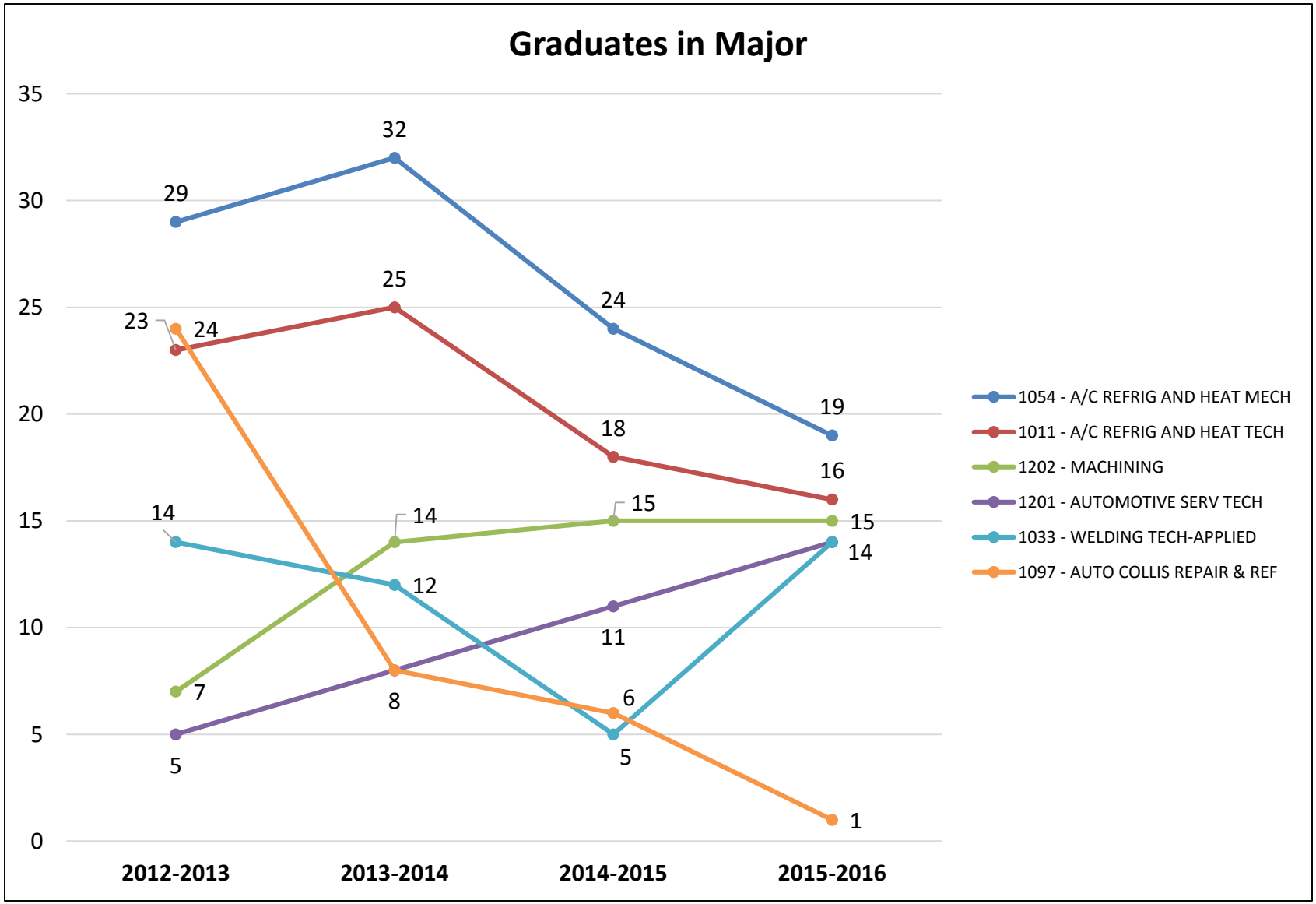
*Currently Inactive Program
N/A - No placement data for the program.
$**,*** Less than 10 graduates found employed.



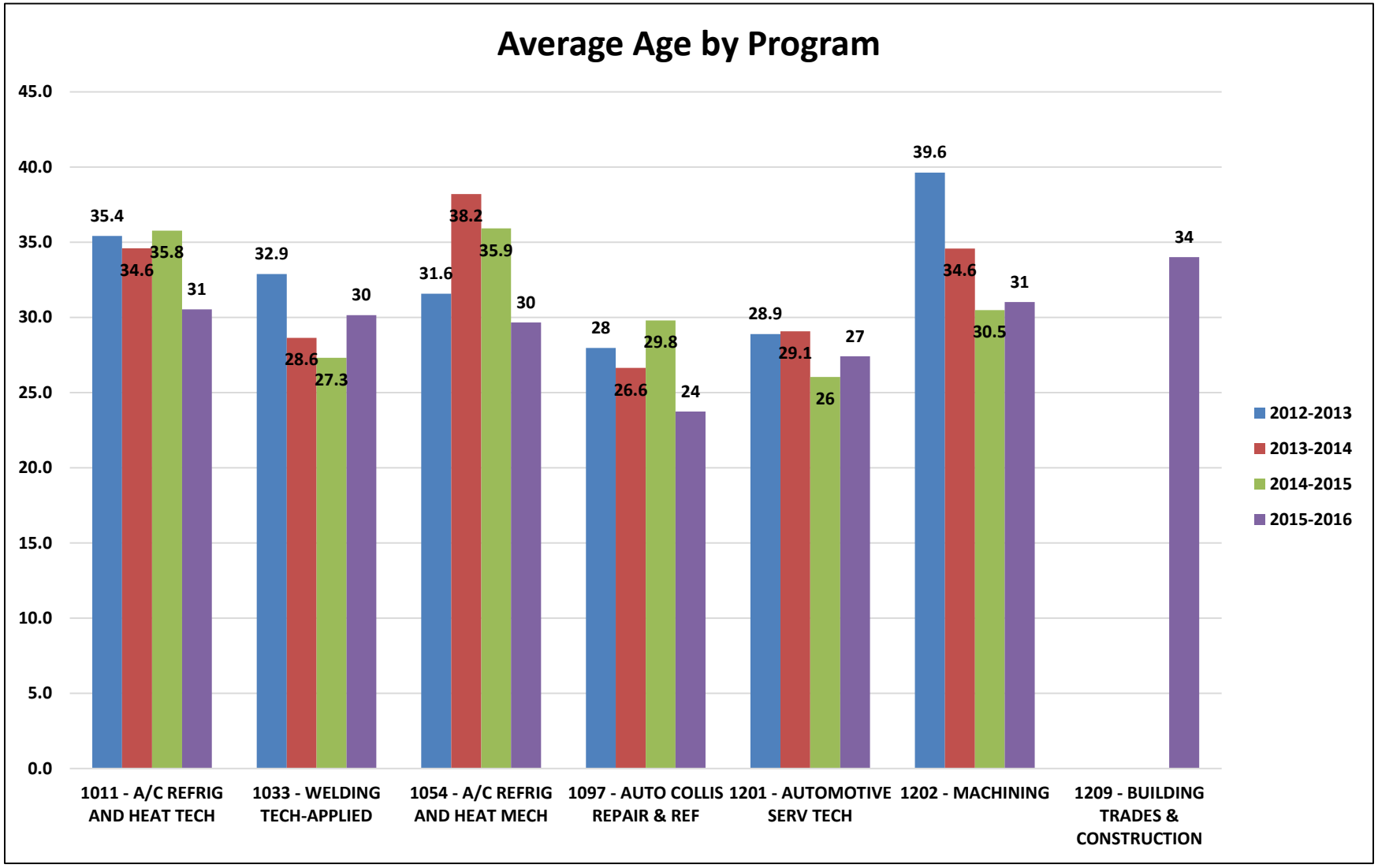
College Enrollment Decreased: 7.9%(12/13); 3%(13/14); 0.73%(14/15); 1.14% (15/16)

Students are duplicated across programs, unduplicated in the total.

Source: IR Program Assessment Data



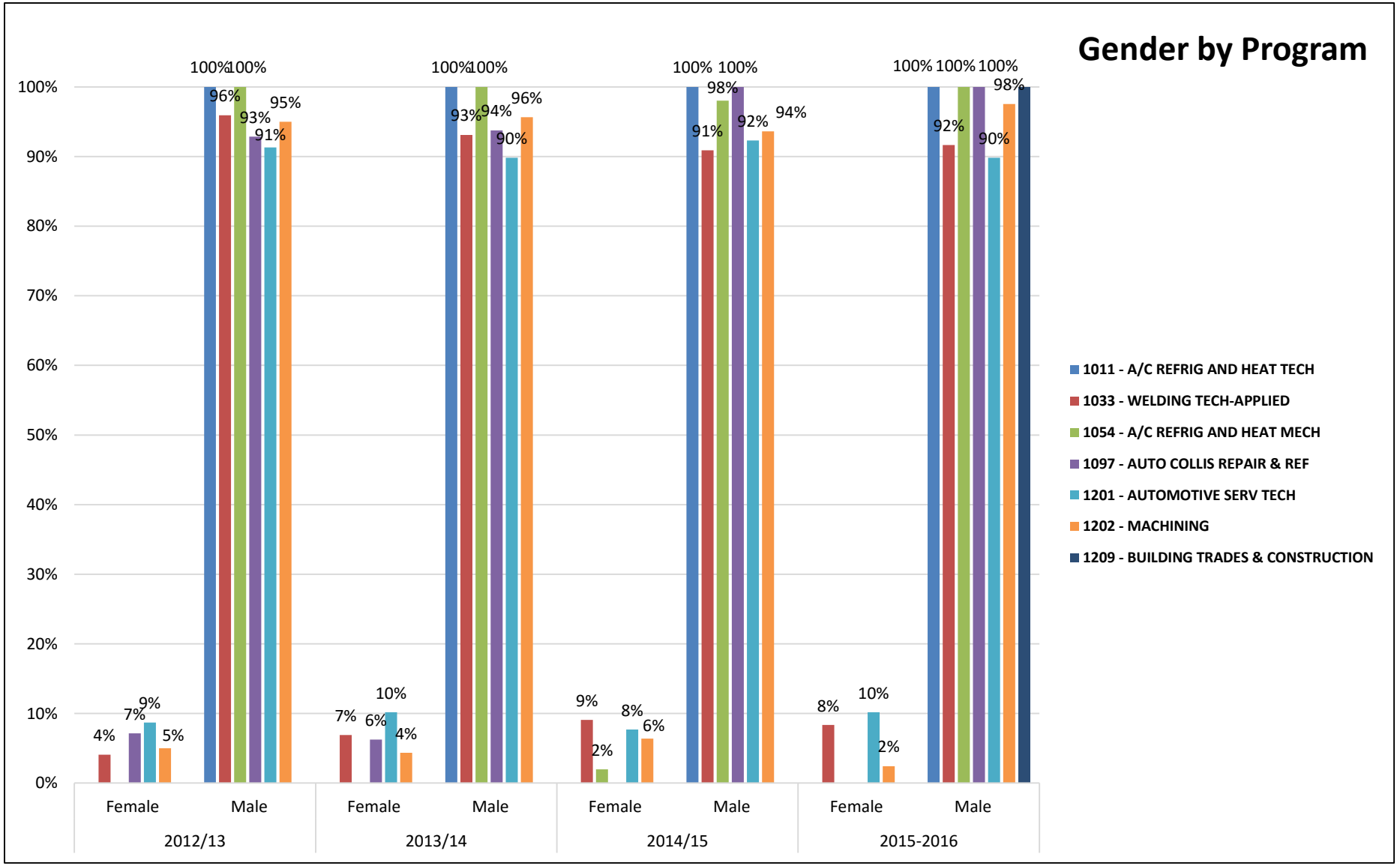
Source: IR Program Assessment Data



Calculation excludes individuals whose birthdates are not reported.

Major	2012-2013	2013-2014	2014-2015	2015-2016
All Programs	32.2	33.4	32.4	29
Daytona State College	26.7	26.6	26.4	26

Source: IR Program Assessment Data

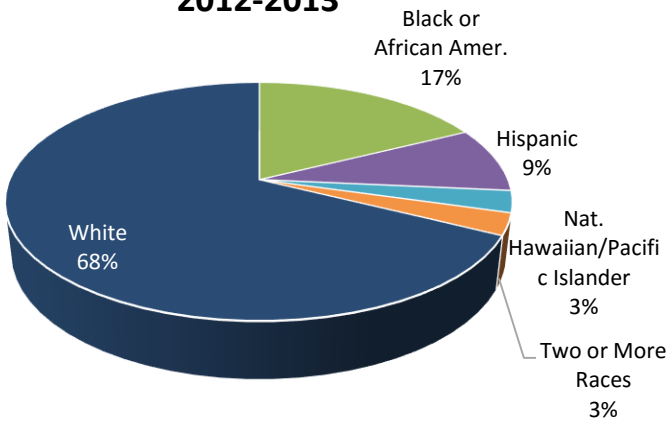


Major	2012-2013		2013-2014		2014-2015		2015-2016	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	60%	40%	59%	41%	60%	40%	60%	40%

Source: IR Program Assessment Data

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

N=34



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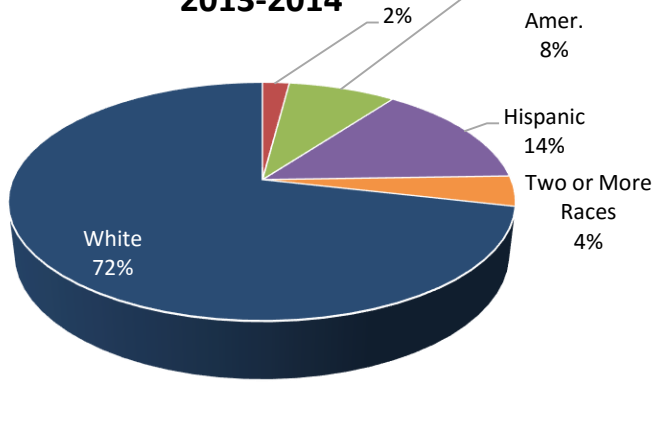

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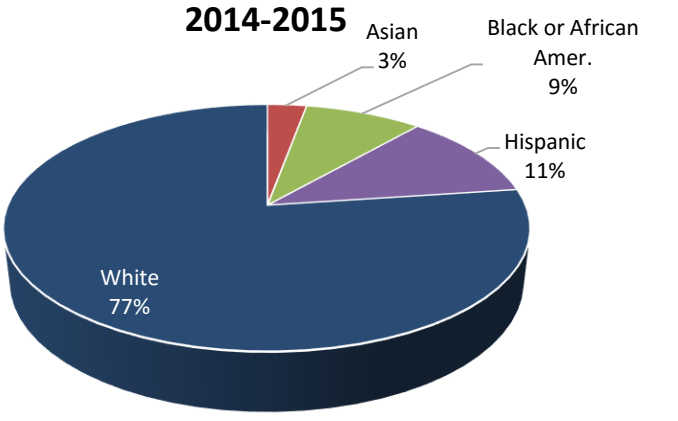

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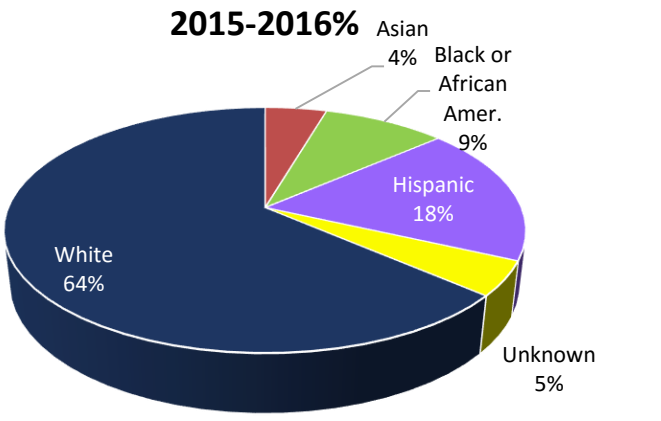
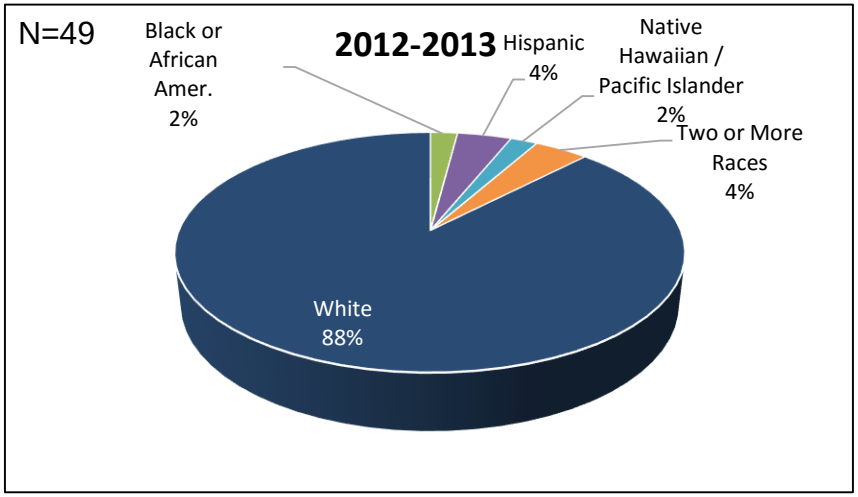


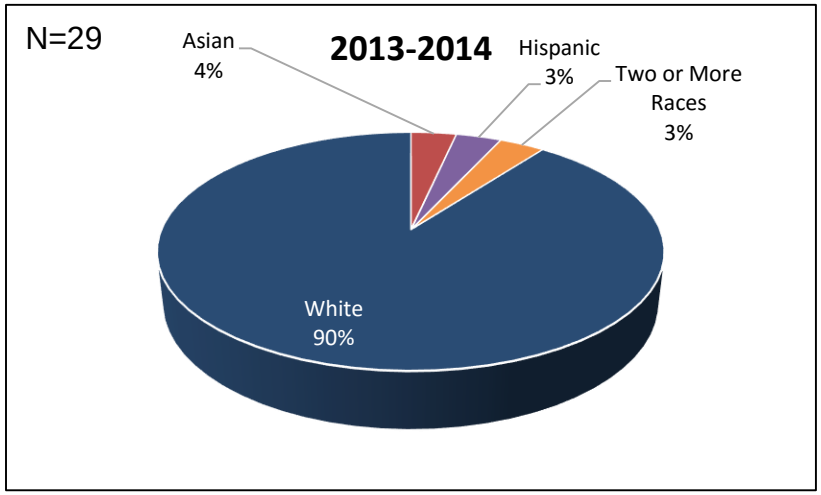
DSC Averages 2015-2016						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0%	**2%**	**14%**	**14%**	**0%**	**2%**	**66%**

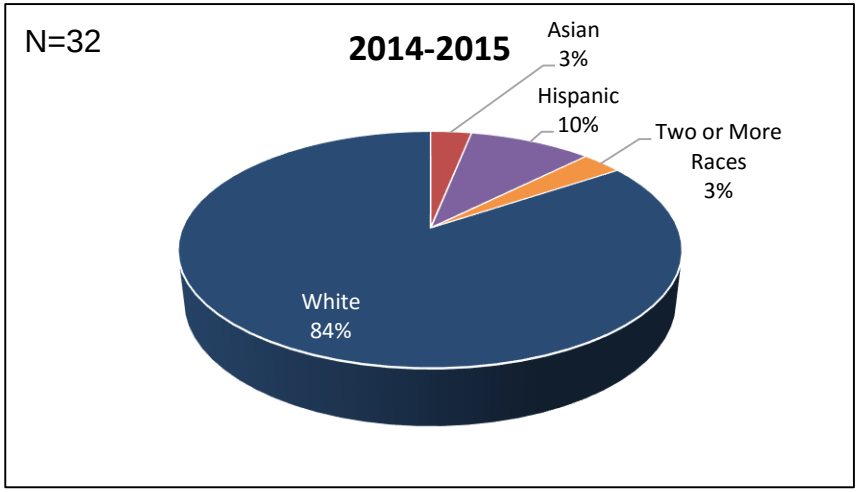
Excludes individuals whose race / ethnicity is not reported.

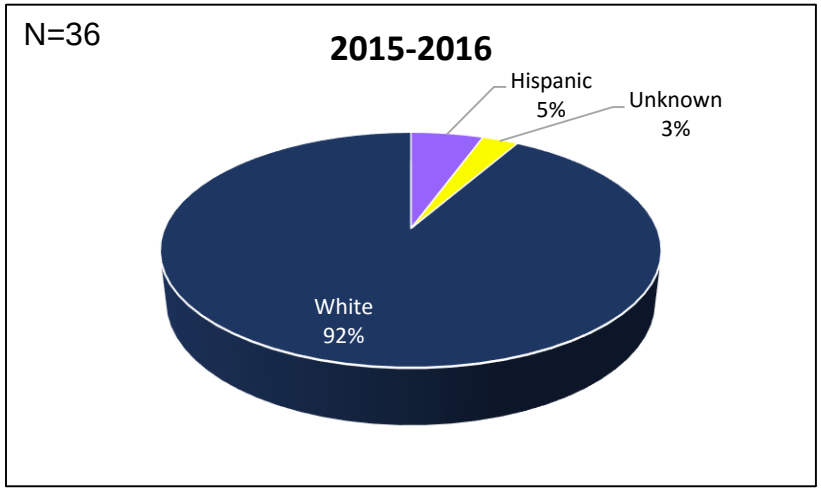
Source: IR Program Assessment Data

Race / Ethnicity
Welding Technology #103300









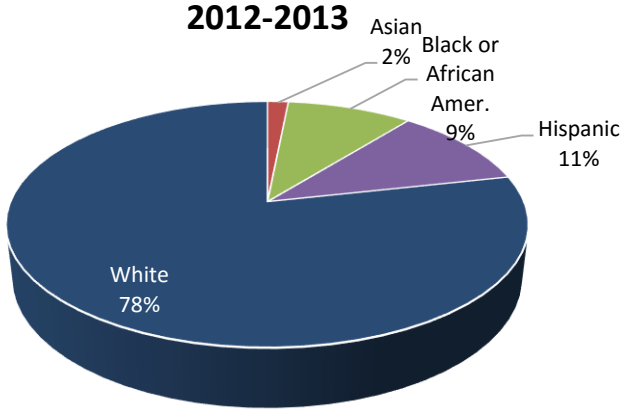
DSC Averages 2015-2016						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0%	**2%**	**14%**	**14%**	**0%**	**2%**	**66%**

Excludes individuals whose race / ethnicity is not reported.

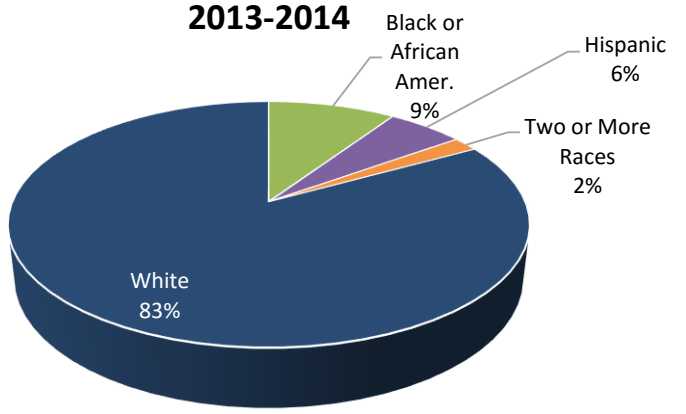
Source: IR Program Assessment Data

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

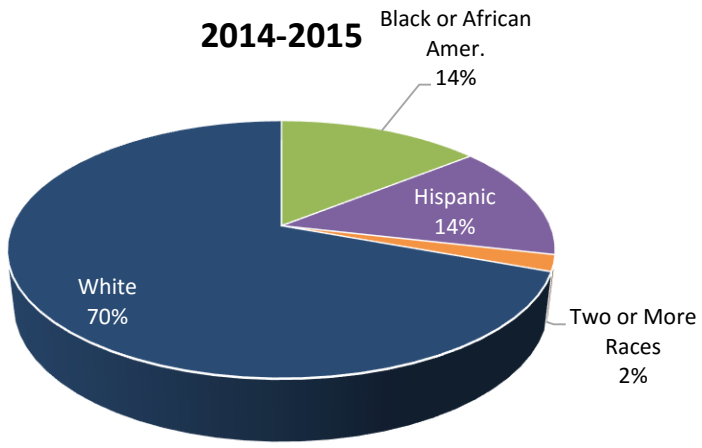
N=65



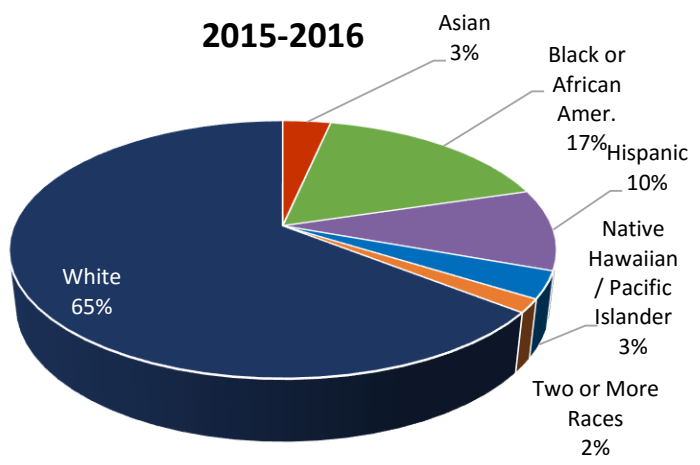
N=53



N=49



N=59



DSC Averages 2015-2016						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0%	**2%**	**14%**	**14%**	**0%**	**2%**	**66%**

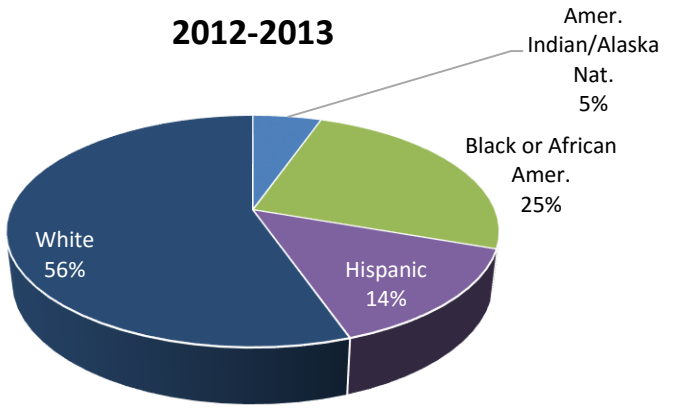
Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data

Race / Ethnicity
Automotive Collision Repair and Refinishing #109700

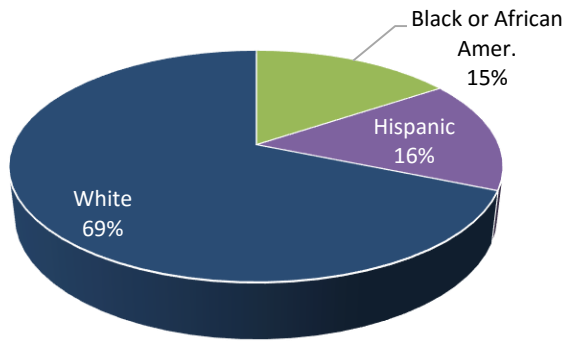
N=56

2012-2013



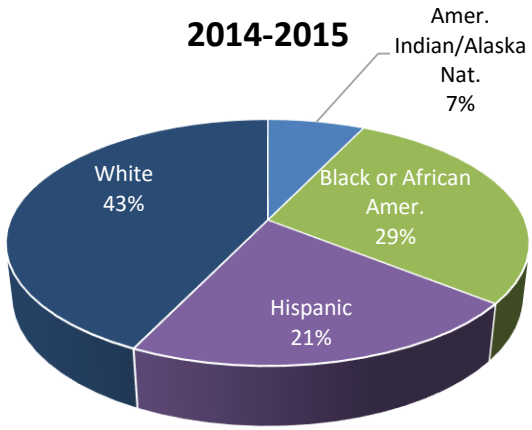
N=32

2013-2014



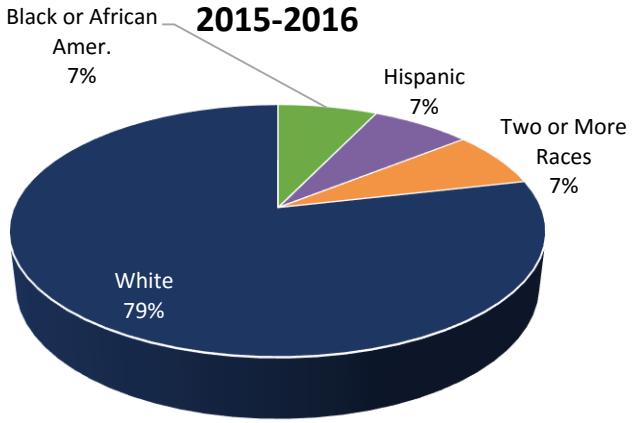
N=14

2014-2015



N=14

2015-2016

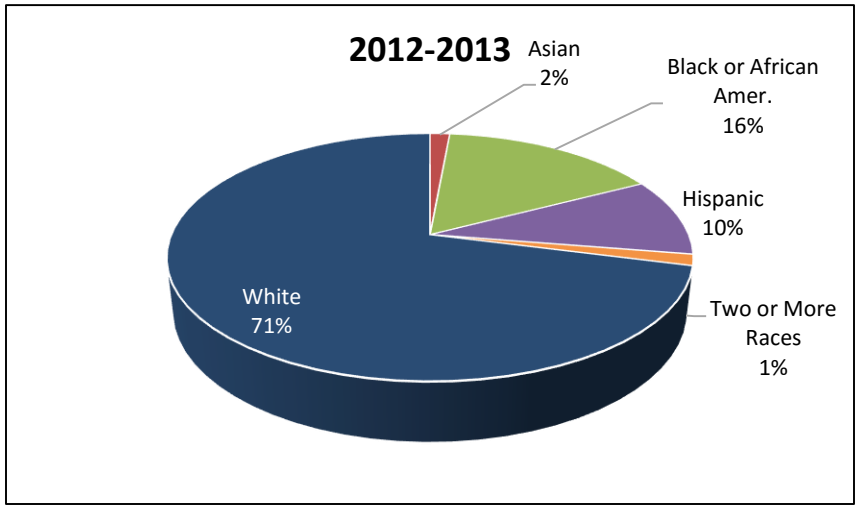


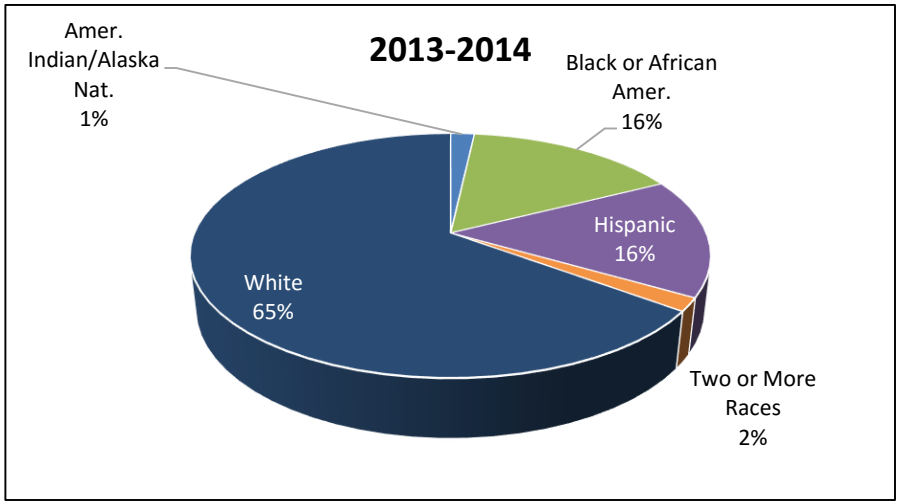
DSC Averages 2015-2016						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0%	**2%**	**14%**	**14%**	**0%**	**2%**	**66%**

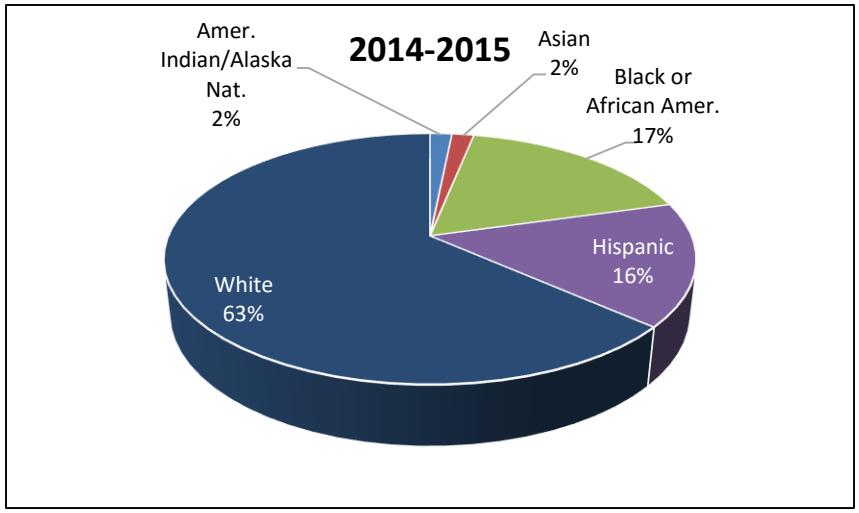
Excludes individuals whose race / ethnicity is not reported.

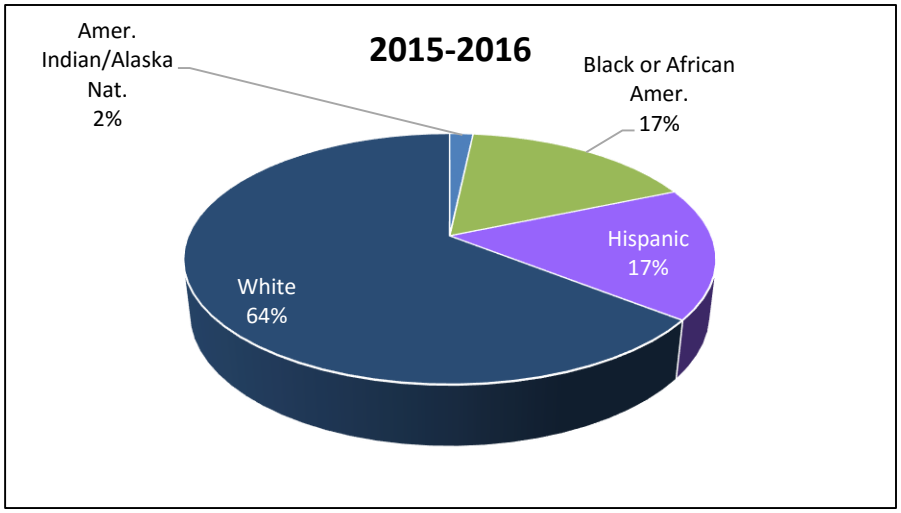
Source: IR Program Assessment Data

Race / Ethnicity
Automotive Service Technology #120100







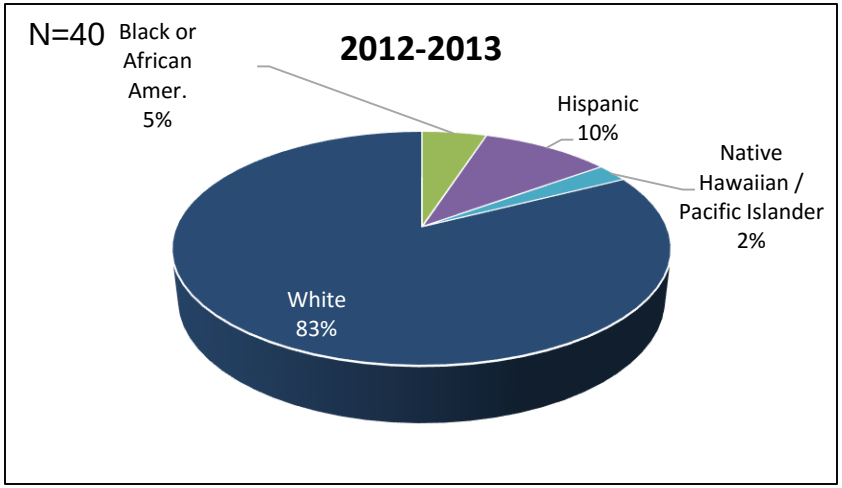


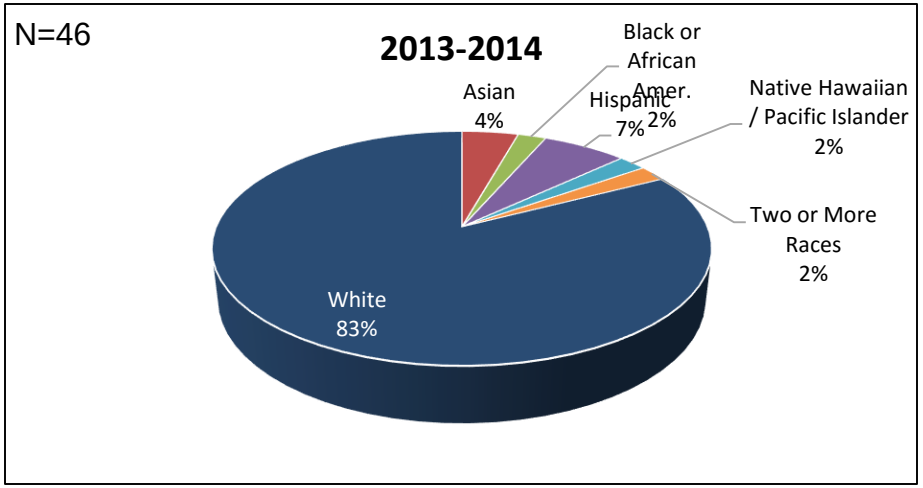
DSC Averages 2015-2016						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0%	**2%**	**14%**	**14%**	**0%**	**2%**	**66%**

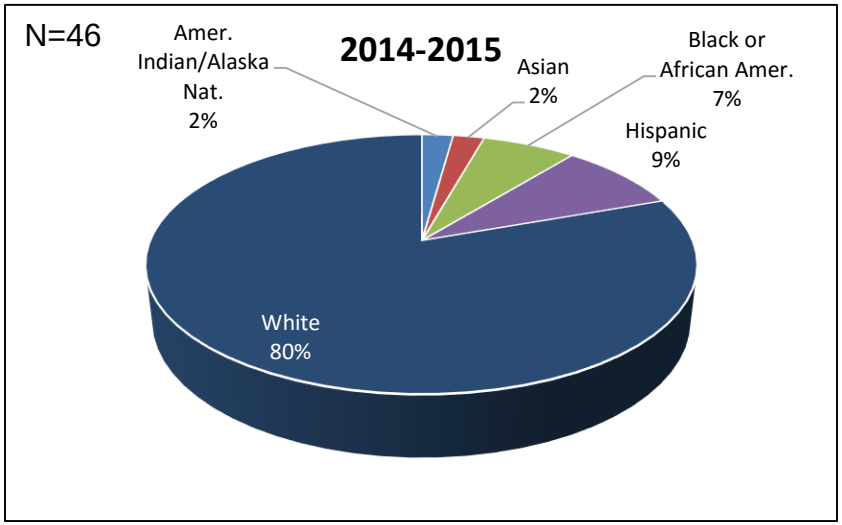
Excludes individuals whose race / ethnicity is not reported.

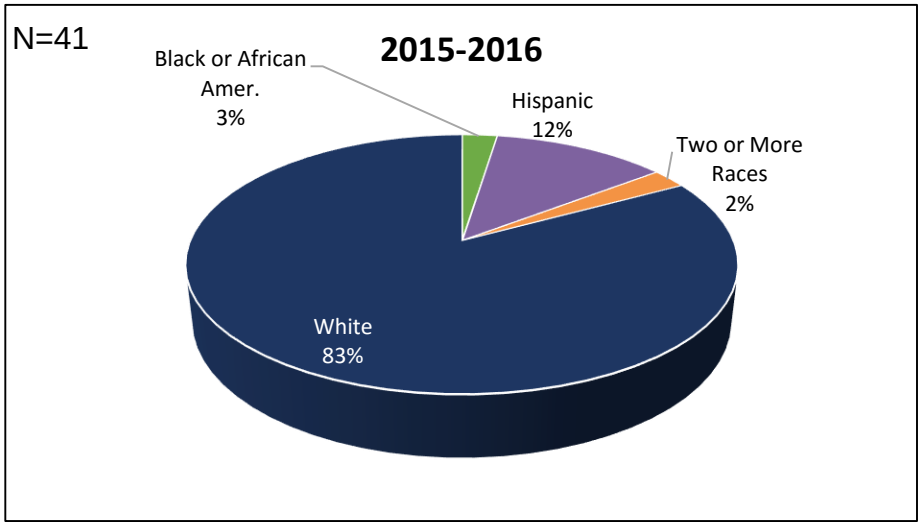
Source: IR Program Assessment Data

Race / Ethnicity
Machining #120200







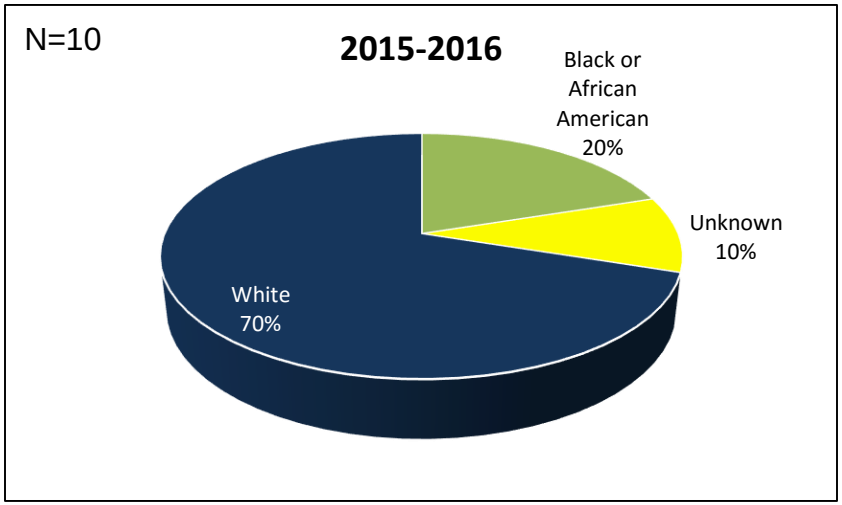


DSC Averages 2015-2016						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0%	**2%**	**14%**	**14%**	**0%**	**2%**	**66%**

Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data

Race / Ethnicity
Building Trades and Construction Design Technology #120900



DSC Averages 2015-2016						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0%	**2%**	**14%**	**14%**	**0%**	**2%**	**66%**

Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data