ASSESSMENT DAY

College of Workforce and Continuing Education

School of Workforce Careers

October 2, 2015

Academic Assessment

TYPE OF REVIEW	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
Academic Success Committee Review	Program	• Quality of assessment practices	PC - Academic Success Committee	Years 1 & 2
Instructional Program Review	Program / Cluster	• Enrollment, retention, completion trends • Industry certifications and job placement trends • Program cost and staffing trends • Advisory committees, curriculum changes	PC - Instructional Program Review Committee	Year 3
Assessment Day	Course/ Program	• Enrollment by department, program and course and by age, gender and race • Number of graduates, average class size • Course success rate by instructional method, by campus and by sub-session • Job placement • Student learning outcomes and institutional learning outcomes	Program Chair, Faculty (data provided by Institutional Effectiveness and Institutional Research)	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

1202 - Machining

1206 - Transit Technician I (Limited Access Program)

1207 - Transit Technician II (Limited Access Program)

1033 - Welding Technology - Applied

Courses (1 of 3)

ACR0001 Physical Principles I

ACR0001L Physical Principles I Lab

ACR0002 Physical Principles II

ACR0002L Physical Principles II Lab

ACR0061 Psychrometrics

ACR0061L Psychrometrics Lab

ACR0062 Heat Load Calculations

ACR0062L Heat Load Calculations Lab

ACR0100 Basic Electricity I

ACR0100L Basic Electricity Lab

ACR0102 Basic Electricity II

ACR0102L Basic Electricity II Lab

ACR0150 A/C Motors and Controls

ACR0150L A/C Motors and Controls Lab

ACR0205 Refrigerants I

ACR0205L Refrigerants I Lab

ACR0506 Residential Air Conditioning and Refrigeration

ACR0506L Residential Air Conditioning and Refrigeration Lab

ACR0600 Fossil Fuel Heating

ACR0600L Fossil Fuel Heating Lab

ACR0601 Heat Pumps

ACR0601L Heat Pumps Lab

ACR0741 Commercial Refrigeration I

ACR0741L Commercial Refrigeration I Lab

ACR0742 Commercial Refrigeration II

ACR0742L Commercial Refrigeration II Lab

ACR0815 Advanced Service Practice

ACR0815L Advanced Service Practice Lab

ACR0850 Air Conditioning Wiring

ACR0850L Air Conditioning Wiring Lab

AER0014 Automotive Service Assistor

AER0014L Automotive Service Assistor Lab

AER0033

AER0033L

AER0102

AER0102L

AER0110 Engine Mechanical Service and Repair

AER0110L Engine Mechanical Service and Repair Lab

AER0152

AER0152L

AER0172 Automotive Heating and Air Conditioning Systems

AER0172L Automotive Heating and Air Conditioning Systems Lab

AER0257Automotive Transmission and Transaxles

AER0257L Automotive Transmission and Transaxles Lab

AER0274 Manual Drivetrain and Axle

AER0274L Manual Drivetrain and Axle Lab

AER0360 Electricity/Electronics Fundamentals

AER0360L Electricity/Electronics Fundamentals Lab

Courses (2 of 3)

AER0418 Automotive Brake Systems

AER0418L Automotive Brake Systems Lab

AER0453 Automotive Steering and Suspension

AER0453L Automotive Steering and Suspension Lab

AER0461

AER0461L

AER0503 Automotive Engine Performance

AER0503L Automotive Engine Performance Lab

AER0608

AER0608L

AER0811

AER0811L

AER0831

AER0831L

AER0844

AER0844L

ARR0121 Introduction to Refinishing

ARR0121L Introduction to Refinishing Lab

ARR0122 Refinishing

ARR0122L Refinishing Lab

ARR0123 Advanced Refinishing

ARR0123L Advanced Refinishing Lab

ARR0241 Introduction to Collision Repair

ARR0241L Introduction to Collision Repair Lab

ARR0242 Collision Repair

ARR0242L Collision Repair Lab

ARR0243 Advanced Collision Repair

ARR0243L Advanced Collision Repair Lab

ARR0244 Basic Collision and Refinishing Overview (Work On Your Own Car)

ARR0244L Basic Collision and Refinishing Overview (Work On Your Own Car) Lab

ARR0330L

ARR0381 Introduction to Unibody and Frame

ARR0381L Introduction to Unibody and Frame Lab

ARR0382 Unibody and Frame II

ARR0382L Unibody and Frame II Lab

ARR0905 Directed Study in Automotive Body Repair and Refinishing

ARR0949 Cooperative Education Experience in Automotive Body Repair and Refinishing

BCT2990 Technical Training

PMT0106

PMT0106L Introduction to Welding I Lab

PMT0109 Introduction to Welding II

PMT0109L

PMT0121

PMT0121L Welding III (Shield Metal Arc) Lab

PMT0131

Courses (3 of 3)

PMT0131L Welding VII (Gas Tungston Arc) Lab

PMT0134

PMT0134L Welding V (Gas Metal Arc) Lab

PMT0154

PMT0154LWelding IV (Plasma Cut Welding and Introduction to MIG) Lab

PMT0161

PMT0161L Welding VI (Introduction to Pipe Welding) Lab

PMT0171 Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding)

PMT0171L

PMT0211 Precision Machining I

PMT0211L Precision Machining I Lab

PMT0215 Precision Machining II

PMT0215LPrecision Machining II Lab

PMT0251 CNC Operations I

PMT0251L CNC Operations I Lab

PMT0255 CNC Operations II

PMT0255L CNC Operations II Lab

PMT0260 CAD/CAM Programming I

PMT0260L CAD/CAM Programming I Lab

PMT0265 CAD/CAM Programming II

PMT0265L CAD/CAM Programming II Lab

PMT0290 Cooperative Education Experience in Machining

PMT0440

PMT0440L

PMT0441

PMT0441L

PMT0442

PMT0442L

TDR0304 Computer Aided Drafting CAD

TDR0304L Computer Aided Drafting CAD Lab

PMT0720 Computer Numerical Control (CNC) III

PMT0720L Computer Numerical Control (CNC) III 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

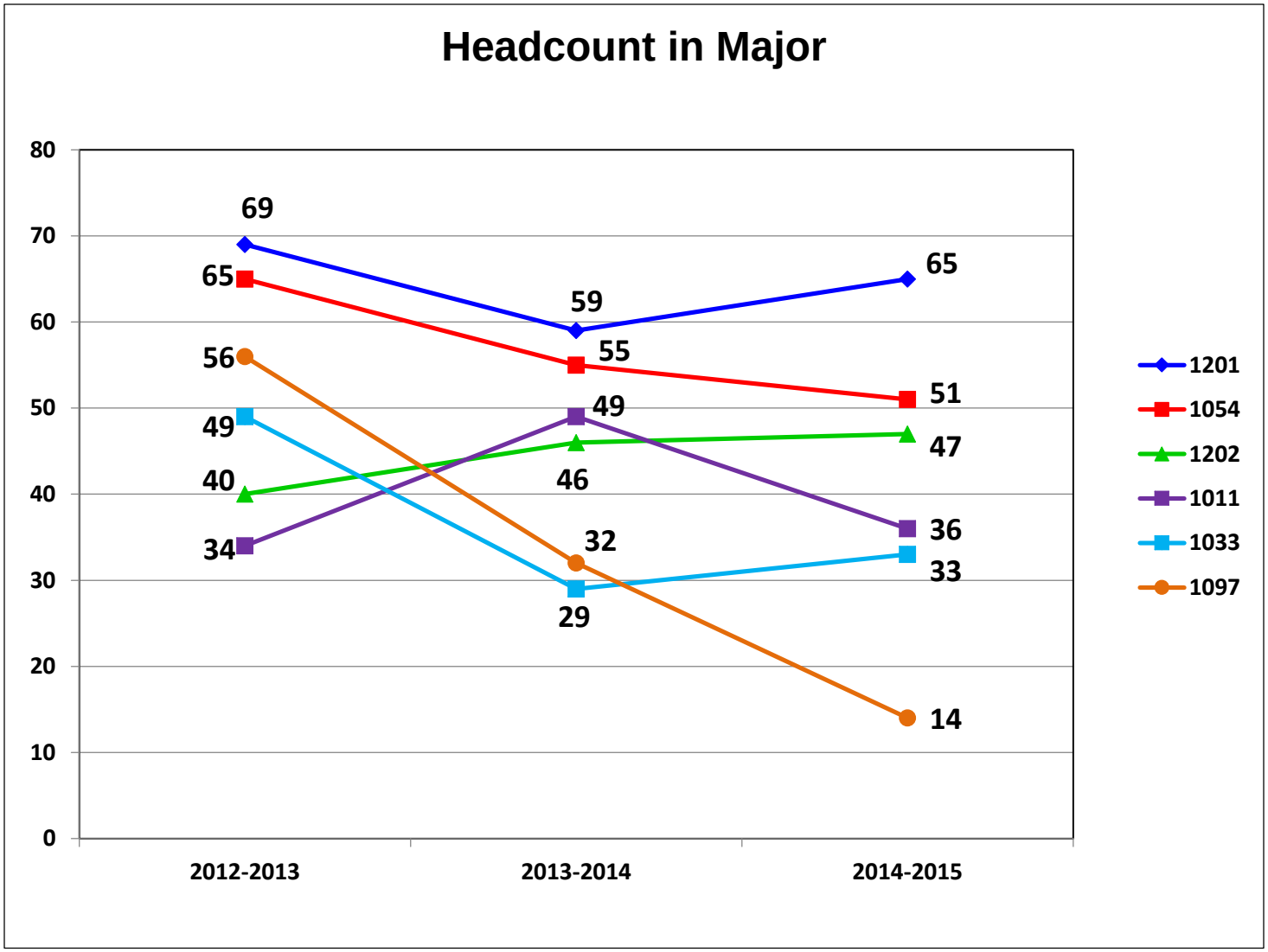
DIM0830 Transit Alternative Fuel Systems

DIM0831 Transit Advanced Electrical Systems

DIM0832 Transit Heating and Air Conditioning

DIM0833 Transmission Diagnosis, Rebuild and Repair

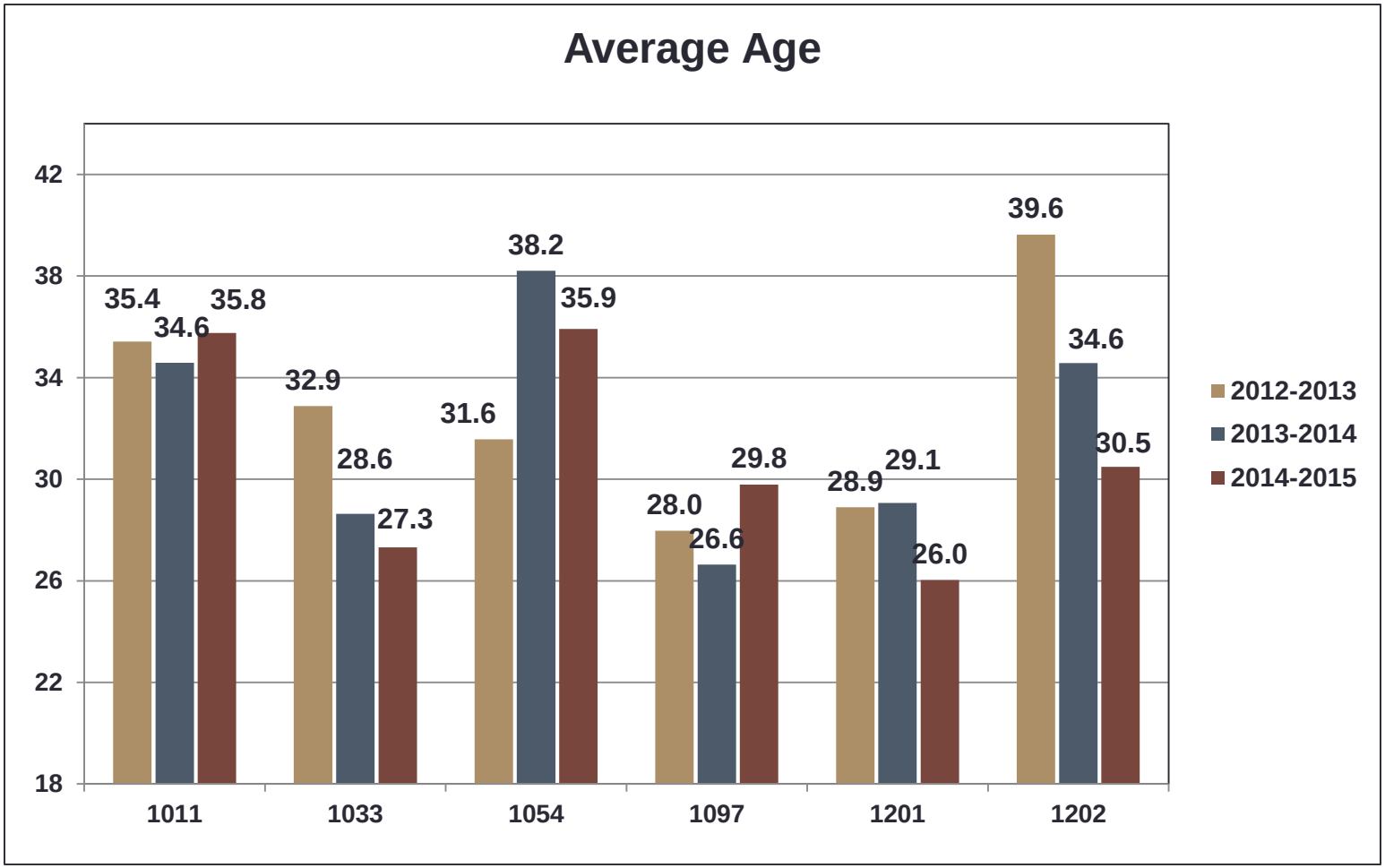
DIM0834 Diesel Engine Diagnosis, Repair and Rebuild



Students are duplicated across programs, unduplicated in the total.

1201 – Automotive Service Technology
1054 - Air Conditioning, Refrigeration and Heating Mechanic
1202 – Machining
1011 – Air Conditioning, Refrigeration, and Heating Tech.
1033 - Welding Technology - Applied
1097 - Automotive Collision Repair and Refinishing

Source: IR Program Assessment Data

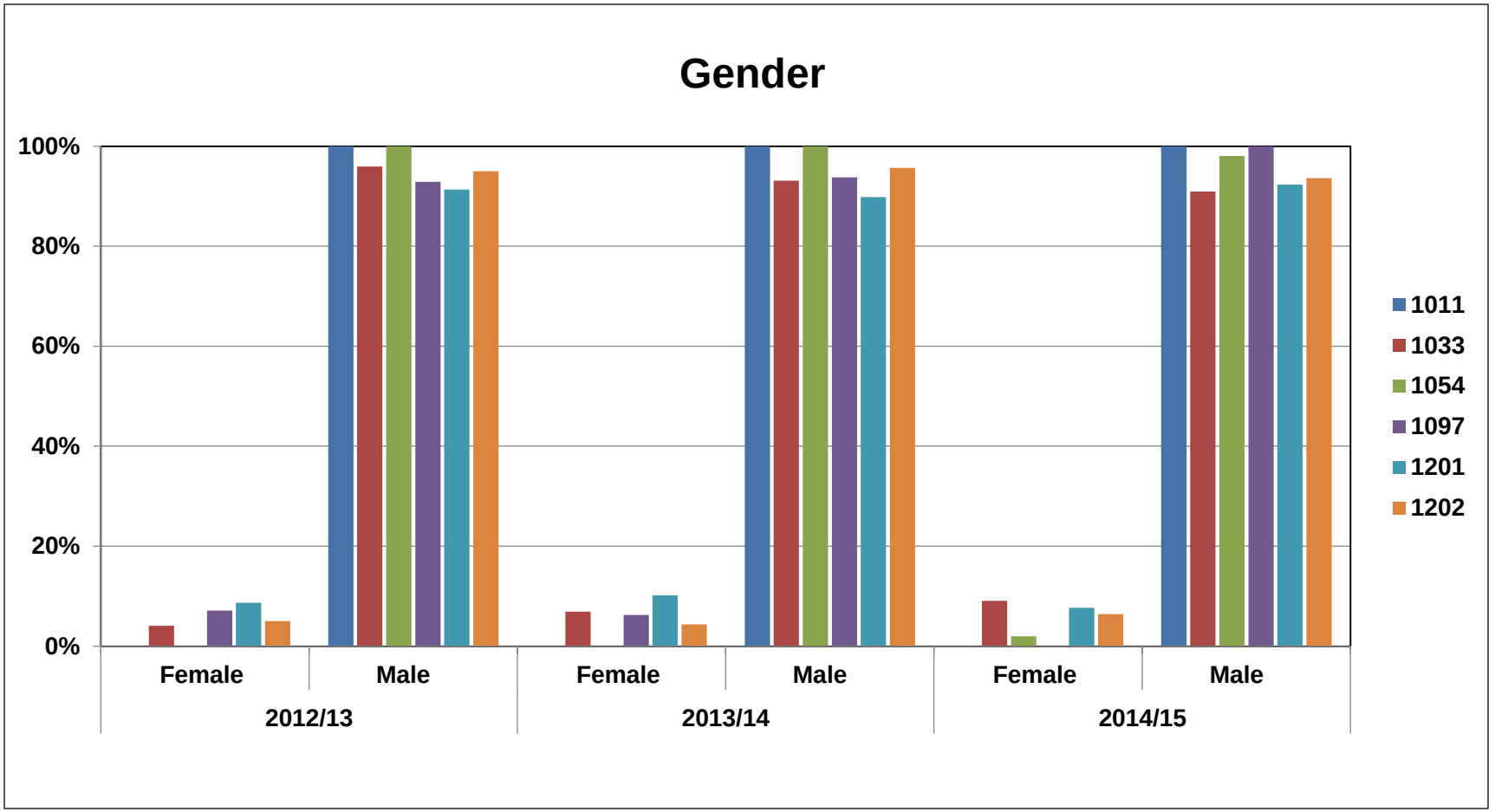


Calculation excludes individuals whose birthdates are not reported.

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

1011 – Air Conditioning, Refrigeration, and Heating Tech.
1033 - Welding Technology – Applied
1054 - Air Conditioning, Refrigeration and Heating Mechanic
1097 - Automotive Collision Repair and Refinishing
1201 – Automotive Service Technology
1202 – Machining

Source: IR Program Assessment Data



Excludes individuals whose gender is not reported.

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

1011 – Air Conditioning, Refrigeration, and Heating Tech.
1033 - Welding Technology – Applied
1054 - Air Conditioning, Refrigeration and Heating Mechanic
1097 - Automotive Collision Repair and Refinishing
1201 – Automotive Service Technology
1202 – Machining

Source: IR Program Assessment Data

Race / Ethnicity by Program

Major		2012-2013		2013-2014		2014-2015		DSC
		#	%	#	%	#	%	
1011 - A/C REFRIG AND HEAT TECH	American Indian / Alaska Native							**0.5%**
	Asian			1	2%	1	3%	**2%**
	Black or African American	6	18%	4	8%	3	8%	**14%**
	Hispanic	3	9%	7	14%	4	11%	**13%**
	Native Hawaiian / Pacific Islander	1	3%					**0.2%**
	Two or More Races	1	3%	2	4%			**2%**
	White	23	68%	35	71%	27	75%	**67%**
1033 - WELDING TECH-APPLIED	American Indian / Alaska Native							**0.5%**
	Asian			1	3%	1	3%	**2%**
	Black or African American	1	2%					**14%**
	Hispanic	2	4%	1	3%	3	9%	**13%**
	Native Hawaiian / Pacific Islander	1	2%					**0.2%**
	Two or More Races	2	4%	1	3%	1	3%	**2%**
	White	43	88%	26	90%	27	82%	**67%**
1054 - A/C REFRIG AND HEAT MECH	American Indian / Alaska Native							**0.5%**
	Asian	1	2%					**2%**
	Black or African American	6	9%	5	9%	7	14%	**14%**
	Hispanic	7	11%	3	5%	7	14%	**13%**
	Native Hawaiian / Pacific Islander							**0.2%**
	Two or More Races			1	2%	1	2%	**2%**
	White	51	78%	44	80%	34	67%	**67%**

Excludes individuals whose race / ethnicity is not reported.

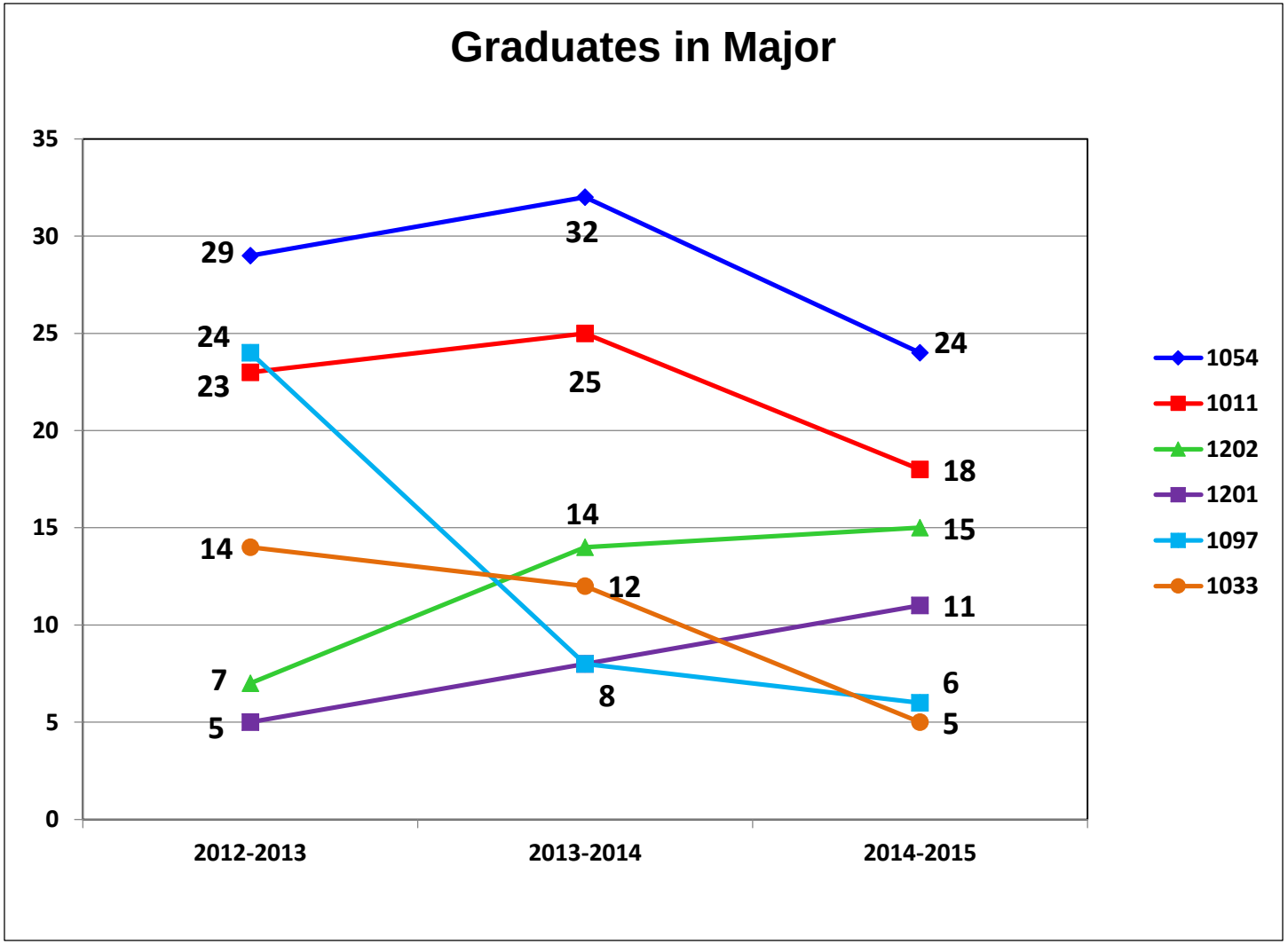
Source: IR Program Assessment Data

Race / Ethnicity by Program

Major		2012-2013		2013-2014		2014-2015		DSC
		#	%	#	%	#	%	
1097 - AUTO COLLIS REPAIR & REF	American Indian / Alaska Native	3	5%			1	7%	0.5%
	Asian							2%
	Black or African American	14	25%	5	16%	4	29%	14%
	Hispanic	8	14%	5	16%	3	21%	13%
	Native Hawaiian / Pacific Islander							0.2%
	Two or More Races							2%
	White	31	55%	22	69%	6	43%	67%
1201 - AUTOMOTIVE SERV TECH	American Indian / Alaska Native			1	2%	1	2%	0.5%
	Asian	1	1%			1	2%	2%
	Black or African American	11	16%	9	15%	11	17%	14%
	Hispanic	7	10%	9	15%	10	15%	13%
	Native Hawaiian / Pacific Islander							0.2%
	Two or More Races	1	1%	1	2%			2%
	White	49	71%	37	63%	40	62%	67%
1202 - MACHINING	American Indian / Alaska Native					1	2%	0.5%
	Asian			2	4%	1	2%	2%
	Black or African American	2	5%	1	2%	3	6%	14%
	Hispanic	4	10%	3	7%	4	9%	13%
	Native Hawaiian / Pacific Islander	1	3%	1	2%			0.2%
	Two or More Races			1	2%			2%
	White	33	83%	38	83%	37	79%	67%
All Programs	American Indian / Alaska Native	3	1%	1	0%	3	1%	0.5%
	Asian	2	1%	4	2%	4	2%	2%
	Black or African American	35	12%	23	9%	28	12%	14%
	Hispanic	31	10%	28	11%	30	13%	13%
	Native Hawaiian / Pacific Islander	2	1%	1	0%			0.2%
	Two or More Races	4	1%	6	2%	2	1%	2%
	White	221	74%	184	73%	163	69%	67%

Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data



1054 - Air Conditioning, Refrigeration and Heating Mechanic

1011 - Air Conditioning, Refrigeration, and Heating Tech.

1202 - Machining

1201 - Automotive Service Technology

1097 - Automotive Collision Repair and Refinishing

1033 - Welding Technology - Applied

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	3	0	**0.0%**	0	**0.0%**
1033- Welding Tech- Applied	FA12	14	0	**0.0%**	3	**21.4%**
	FA13	3	1	**33.3%**	1	**33.3%**
	FA14	13	1	**7.7%**	1	**7.7%**
1054- A/C Refrig and Heat Tech	FA12	22	9	**40.9%**	10	**45.5%**
	FA13	14	7	50.0%	7	50.0%
	FA14	13	9	69.2%	9	69.2%
1097- Auto Collis Repair & Ref	FA12	18	3	**16.7%**	7	**38.9%**
	FA13	13	0	**0.0%**	4	**30.8%**
	FA14	0	NA	NA	NA	NA
1201- Automotive Serv Tech	FA12	24	3	**12.5%**	3	**12.5%**
	FA13	15	2	**13.3%**	8	53.3%
	FA14	31	0	**0.0%**	0	0.0%
1202- Machining	FA12	19	6	**31.6%**	7	**36.8%**
	FA13	19	8	**42.1%**	9	**47.4%**
	FA14	18	9	50.0%	9	50.0%

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	Not Retained		Retained by DSC		Retained by Program	
					N	%	N	%	N	%
1011- A/C REFRIG AND HEAT TECH	2011	22	12	10	6	60%			4	40%
	2012	32	15	17	12	71%			5	29%
	2013	42	17	25	19	76%			6	24%
1033- WELDING TECH-APPLIED	2011	39	19	20	11	55%	3	15%	6	30%
	2012	29	10	19	18	95%	1	5%	0	0%
	2013	2		2	1	50%	1	50%	0	0%
1054- A/C REFRIG AND HEAT MECH	2011	50	23	27	23	85%	2	7%	2	7%
	2012	44	13	31	22	71%	6	19%	3	10%
	2013	31	16	15	15	100%				0%
1097- AUTO COLLIS REPAIR & REF	2011	40	9	31	10	32%	2	6%	19	61%
	2012	42	23	19	9	47%	2	11%	8	42%
	2013	23	6	17	6	35%	5	29%	6	35%
1201- AUTOMOTIVE SERV TECH	2011	19		19	12	63%	3	16%	4	21%
	2012	40	5	35	16	46%	3	9%	16	46%
	2013	45	7	38	25	66%	2	5%	11	29%
1202- MACHINING	2011	10		10	7	70%	1	10%	2	20%
	2012	25	7	18	10	56%	3	17%	5	28%
	2013	33	13	20	14	70%			6	30%

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

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	
			# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size
1011- A/C, Refrigeration & Heating Tech ATC	ACR0001	Lecture	2	24	2	22	2	20
	ACR0002	Lecture	2	22	2	20	2	18
	ACR0061	Lecture	2	17	2	18	2	17
	ACR0062	Lecture	2	17	2	19	2	18
	ACR0100	Lecture	2	25	2	23	2	20
	ACR0102	Lecture	2	22	2	20	2	19
	ACR0150	Lecture	2	19	2	18	2	16
	ACR0205	Lecture	2	16	2	20	2	17
	ACR0506	Lecture	2	17	2	17	2	15
	ACR0600	Lecture	2	14	2	14	2	11
	ACR0601	Lecture	2	15	2	14	2	12
	ACR0741	Lecture	2	19	2	18	2	16
	ACR0742	Lecture	2	15	2	14	2	12
	ACR0815	Lecture	2	14	2	13	2	12
	ACR0850	Lecture	2	18	2	17	2	16
	Major		**30**	**18**	**30**	**18**	**30**	**16**
1033- Welding Technology Daytona	PMT0106	Lecture	3	14	1	18	2	17
	PMT0109	Lecture	2	13	1	10	2	11
	PMT0121	Lecture	1	17	1	7	1	18
	PMT0131	Lecture	1	19	1	16	1	10
	PMT0134	Lecture	1	19			1	8
	PMT0154	Lecture	1	14	1	6	1	18
	PMT0161	Lecture	1	16			1	8
	PMT0171	Lecture	1	18	1	16	1	9
	Major		**11**	**16**	**6**	**12**	**10**	**13**
1097- Automotive Collision Repair & Refinishing ATC	ARR0123	Lecture	1	20	1	9	1	8
	ARR0243	Lecture	1	23	1	10	1	9
	ARR0244	Lecture	1	17	1	13	1	7
	ARR0294	Lecture	1	18	1	7	1	11
	ARR0376	Lecture	1	16	1	14	1	7
	ARR0383	Lecture	1	23	1	10	1	8
	Major		**6**	**20**	**6**	**11**	**6**	**8**

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	
			# Sections	Avg. Size	# Sections	Avg. Size	# Sections	Avg. Size
1201-Automotive Service Technology ATC	AER0014	Online	2	24	1	14	1	21
	AER0110	Online	1	9	1	24	1	20
	AER0172	Online	1	15	1	20	1	23
	AER0257	Online	1	25	1	16	1	21
	AER0274	Online	1	26	1	20	1	23
	AER0360	Online	1	14	1	21	1	25
	AER0418	Online	1	10	1	25	1	23
	AER0453	Online	1	17	1	23	1	18
	AER0503	Online	1	28	1	19	1	23
	Major		**10**	**19**	**9**	**20**	**9**	**22**
1202-Machining ATC	PMT0211	Lecture	2	17	2	14	2	16
	PMT0215	Lecture	2	16	2	12	2	14
	PMT0251	Lecture	1	20	2	14	1	19
	PMT0255	Lecture	1	24	2	12	1	18
	PMT0260	Lecture	1	21	1	21	1	20
	PMT0265	Lecture	1	21	1	21	1	19
	TDR0304	Lecture	1	15	2	10	2	9
	Major		**9**	**18**	**12**	**14**	**10**	**15**
DSC		Hybrid		22		22		22
		Lecture		23		23		22
		Online		27		28		29
College Total				**23.7**		**23.9**		**24.6**

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

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

Discontinued programs and courses are not included.

Indicates more than 5% increase from prior year.

Indicates more than 5% decrease from prior year or less than 70% success rate.

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	
			# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1097- Automotive Collision Repair & Refinishing ATC	ARR0123	Lecture	20	95%	9	89%	8	100%
	ARR0243	Lecture	23	96%	10	90%	9	89%
	ARR0244	Lecture	17	94%	13	92%	7	57%
	ARR0294	Lecture	18	83%	7	86%	11	64%
	ARR0376	Lecture	16	88%	14	79%	7	43%
	ARR0383	Lecture	23	96%	10	90%	8	100%
	Major		**117**	**92%**	**63**	**87%**	**50**	**76%**
1201- Automotive Service Technology ATC	AER0014	Online	48	73%	14	93%	21	90%
	AER0110	Online	9	100%	24	75%	20	85%
	AER0172	Online	15	93%	20	85%	23	91%
	AER0257	Online	25	76%	16	94%	21	48%
	AER0274	Online	26	100%	20	90%	23	91%
	AER0360	Online	14	71%	21	81%	25	64%
	AER0418	Online	10	90%	25	68%	23	91%
	AER0453	Online	17	88%	23	57%	18	100%
	AER0503	Online	28	86%	19	74%	23	65%
	Major		**192**	**84%**	**182**	**78%**	**197**	**80%**
1202- Machining ATC	PMT0211	Lecture	34	91%	27	81%	32	88%
	PMT0215	Lecture	31	100%	23	96%	28	100%
	PMT0251	Lecture	20	95%	28	82%	19	89%
	PMT0255	Lecture	24	100%	24	100%	18	83%
	PMT0260	Lecture	21	95%	21	100%	20	100%
	PMT0265	Lecture	21	100%	21	95%	19	100%
	TDR0304	Lecture	15	100%	20	95%	17	94%
	Major		**166**	**97%**	**164**	**92%**	**153**	**93%**
DSC				**77.5%**		**77.1%**		**78.0%**

Discontinued programs and courses are not included.

Indicates more than 5% increase from prior year.

Indicates more than 5% decrease from prior year or less than 70% success rate.

Source: IR Program Assessment Data

Course Success Rates by Session/Sub-session

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

Indicates more than 5% difference between sessions or sub-sessions.

Source: IR Program Assessment Data

Course Success Rates by Session/Sub-session

Major, Associated Courses and Session/ Sub-session				2012-2013		2013-2014		2014-2015	
				# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1033- Welding Technology DAYTONA	PMT0106	FA	A term	18	94%			24	88%
			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%
		SP	B term	11	64%	10	100%	11	82%
	PMT0121	FA	A term	17	88%				
		SP	A term			7	86%	18	94%
	PMT0134	FA	A term					8	100%
		SP	A term	19	74%	1	100%		
	PMT0154	FA	B term	14	93%				
		SP	B term			6	100%	18	89%
	PMT0161	FA	B term					8	100%
		SP	B term	16	81%	1	100%		
1201- Auto Service Technology ATC	AER0014	FA	Full term	21	76%	14	93%	21	90%
		SP	Full term	27	70%				
	AER0360	FA	Full term	14	71%				
		SP	Full term			21	81%	25	64%
1202- Machining ATC	PMT0211	FA	A term	17	88%	11	64%	17	88%
		SP	A term			16	94%	15	87%
			Full term	17	94%				
	PMT0215	FA	B term	14	100%	8	100%	15	100%
		SP	B term			15	93%	13	100%
			Full term	17	100%				
	TDR0304	FA	B term			11	91%	9	89%
		SP	B term			9	100%	8	100%
			Full term	15	100%				

Indicates more than 5% difference between sessions or sub-sessions.

Source: IR Program Assessment Data

Job Placement

Placement Rates								
		2010/11		2011/12		2012/13		Average Annual Salary
Program Title	Major(s)	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
Air Conditioning, Refrigeration, and Heating Technology	1011, 1054	75%	62%	71%	64%	33%	46%	$31,176
Automotive Collision Repair and Refinishing	1097	17%	50%	50%	63%	75%	58%	
Automotive Service Technology	1201	56%	65%	N/A	N/A	67%	71%	
Machining	1202	N/A	N/A	N/A	N/A	100%	100%	
Welding Technology - Applied	1033	89%	74%	46%	61%	56%	52%	

Notes:

Graduates in cohort year are tracked in the following year and reported 1 year later.

All continuing education outcomes are based on enrollment data for the fall semester and preliminary winter/spring semester.

All employment outcomes are based on the October - December quarterly data each year.

Individuals are only counted in one educational sector.

Full quarter earnings displayed only when 10 or more graduates are employed full time/full quarter.

Source: IR Program Assessment Data

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.

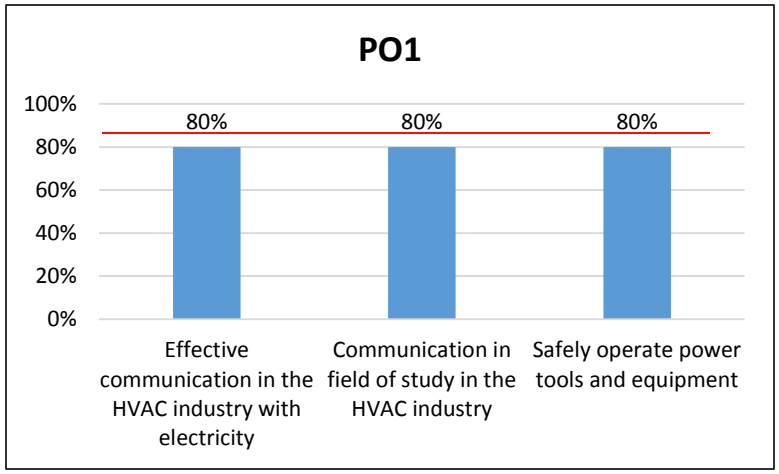
PO2: Identify and use different tools, equipment, material and electrical products used in the industry.

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

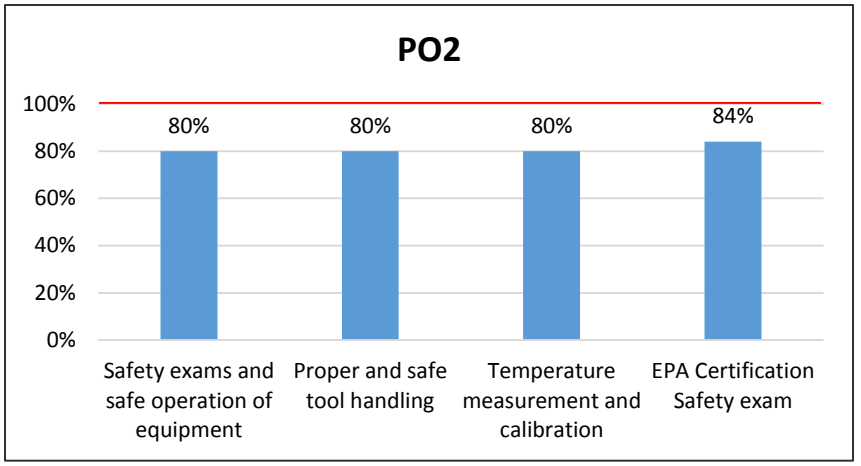
PO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

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

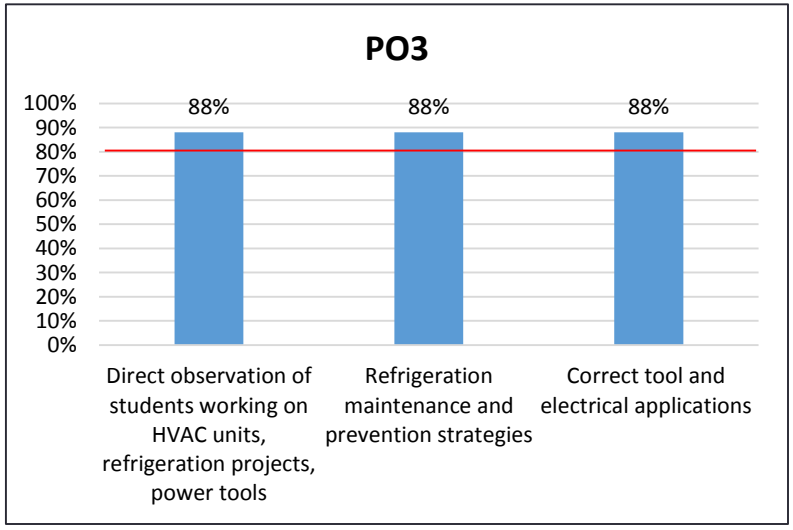
Assessment Data 2014-2015
1054 – Air Conditioning, Refrigeration and Heating Mechanic



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



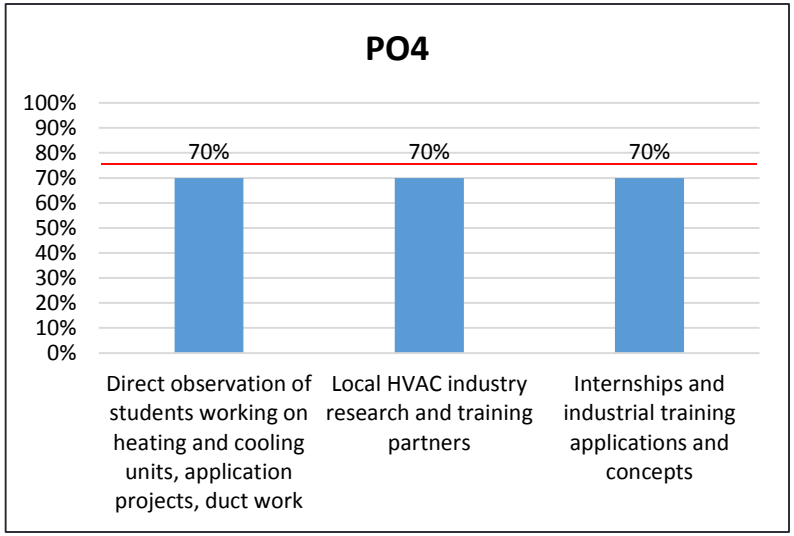
Identify and use different tools, equipment, material and electrical products used in the industry



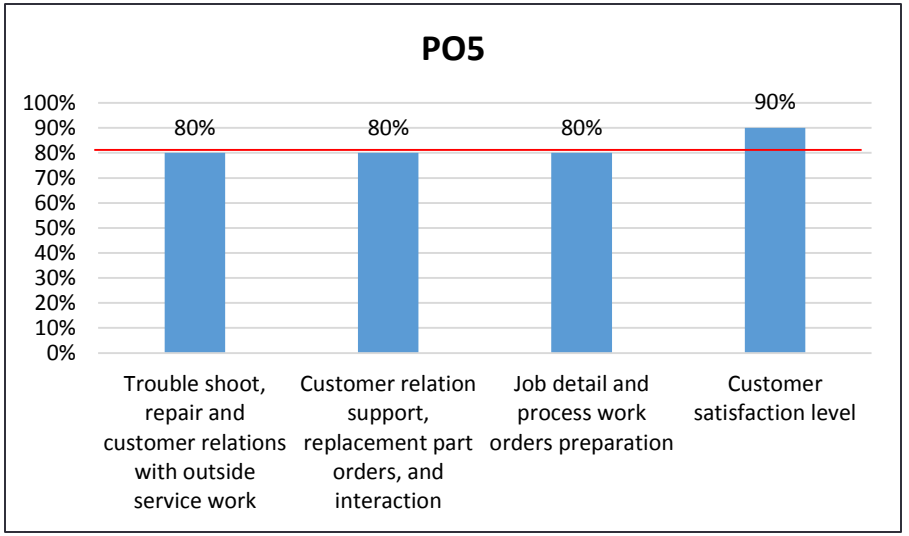
Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety

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.

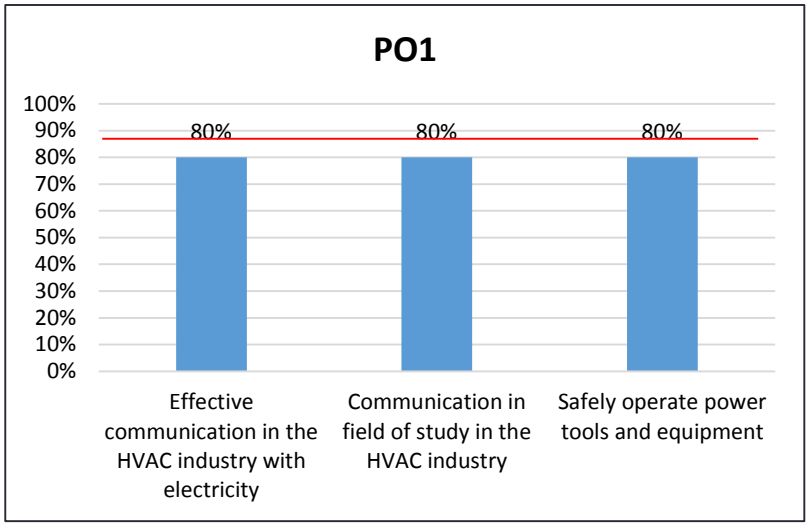
PO2: Identify and use different tools, equipment, material and electrical products used in the industry.

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

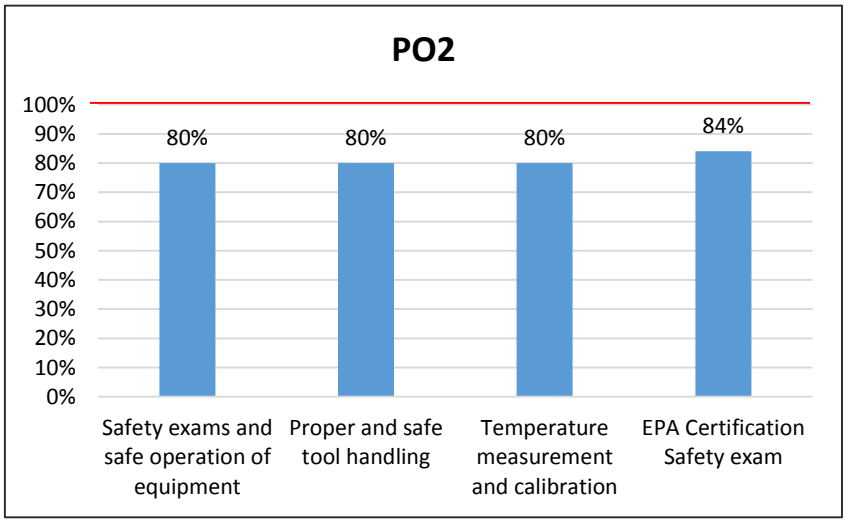
PO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

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

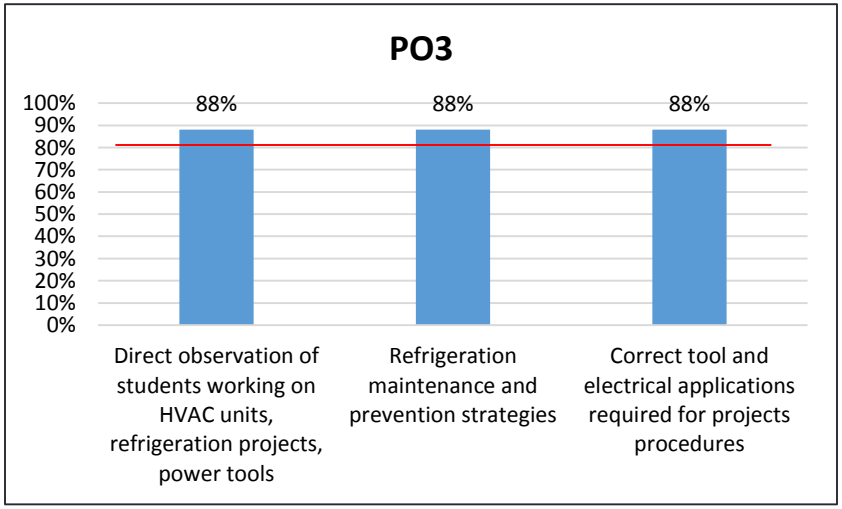
Assessment Data 2014-2015
1011 - Air Conditioning, Refrigeration, and Heating Tech.



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



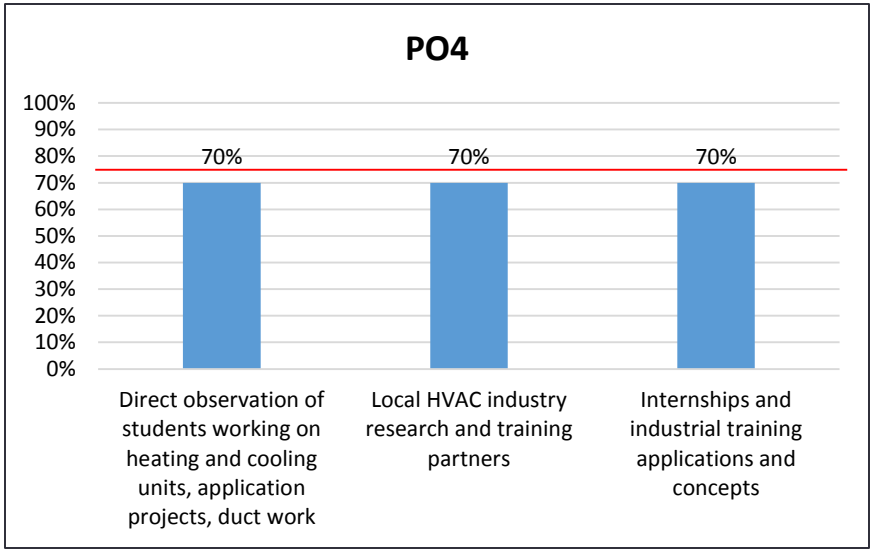
Identify and use different tools, equipment, material and electrical products used in the industry



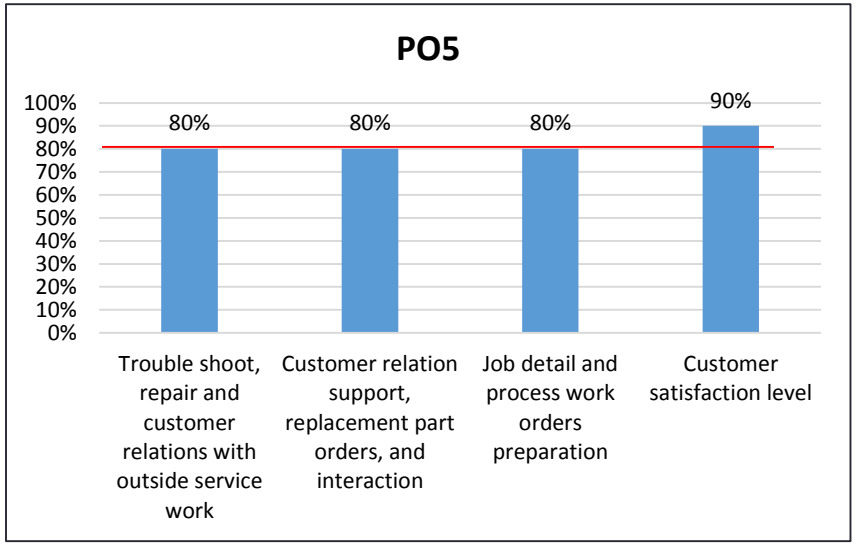
Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety

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:

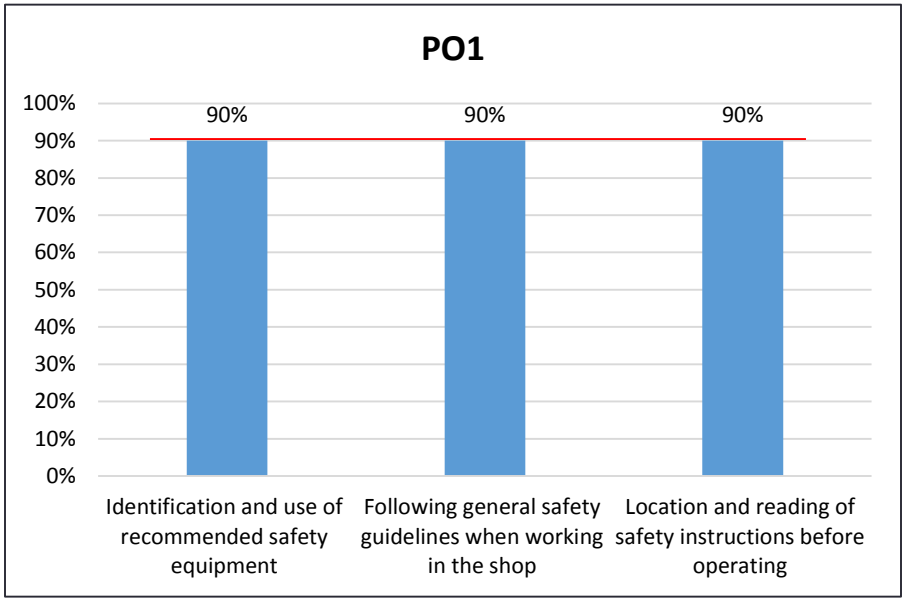
PO1: Demonstrate knowledge and ability to safely follow rules and regulations to I-CAR standards.

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

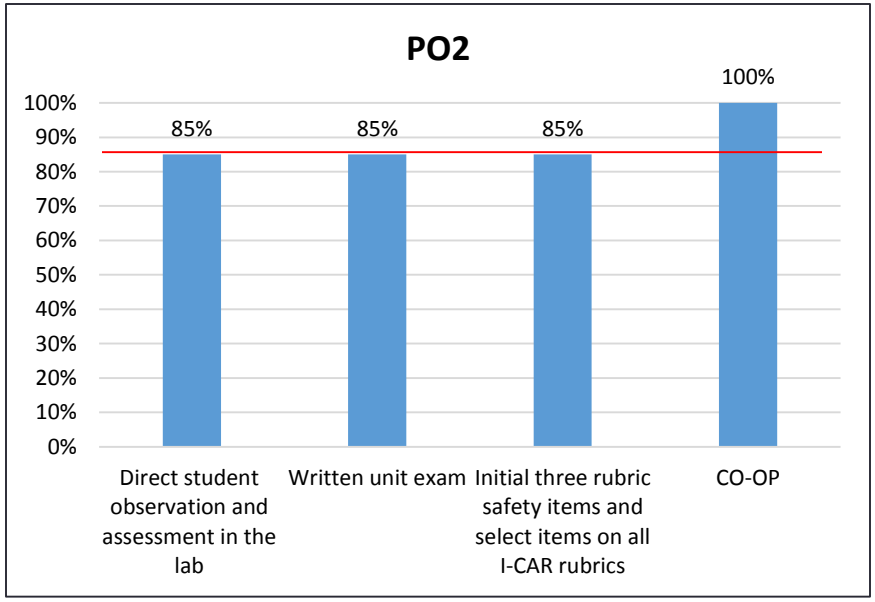
PO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.

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

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



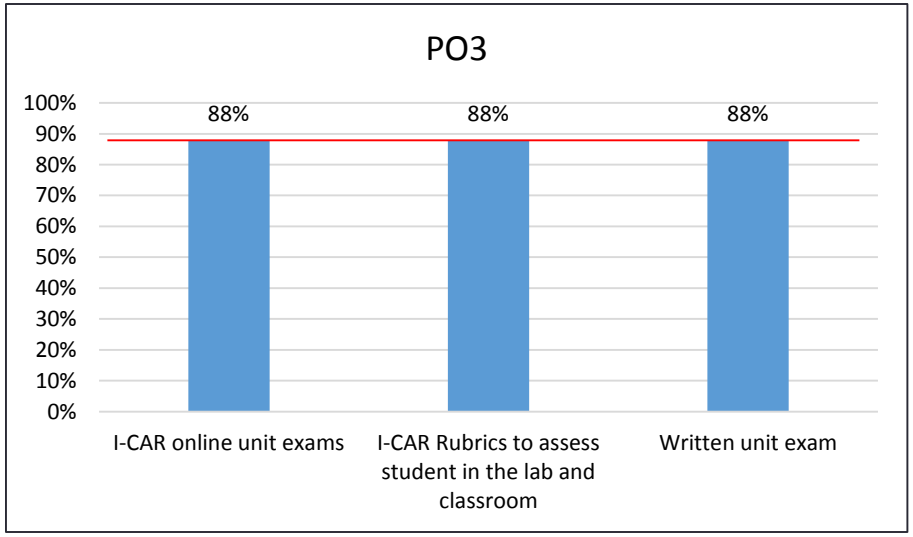
Demonstrate knowledge and ability to safely follow rules and regulations to I-CAR standards



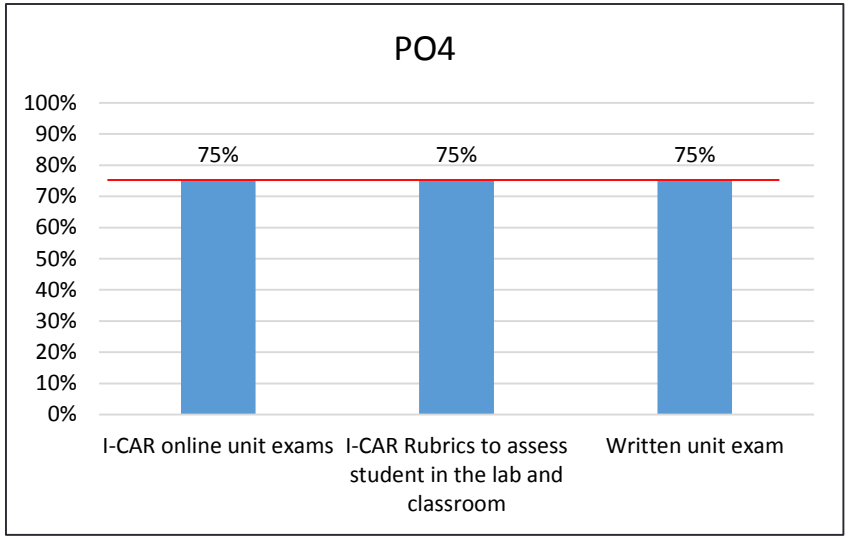
Identify and use different tools, equipment, material and computerized products used in the industry

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.

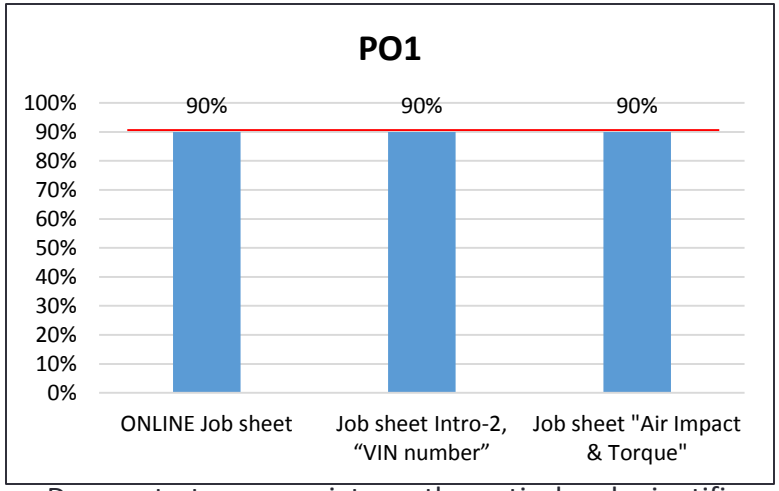
PO4: Diagnose, service, and repair automotive electrical and electronic systems.

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

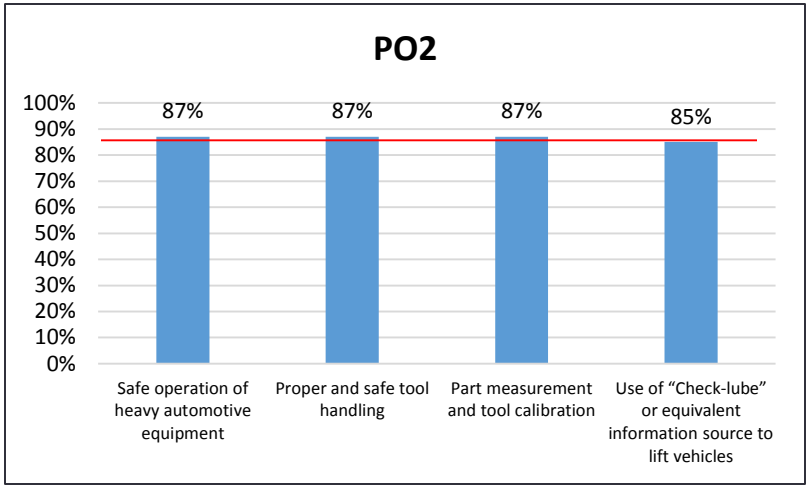
PO6: Diagnose, service, and repair automotive manual and automatic transmissions, rear axles, and transaxles.

PO7: Diagnose, service, and repair automotive engines.

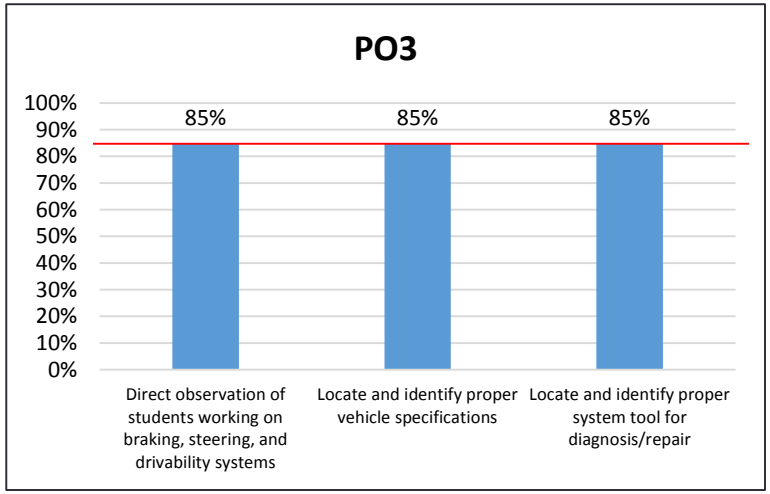
Assessment Data 2014-2015
1201 - Automotive Service Technology



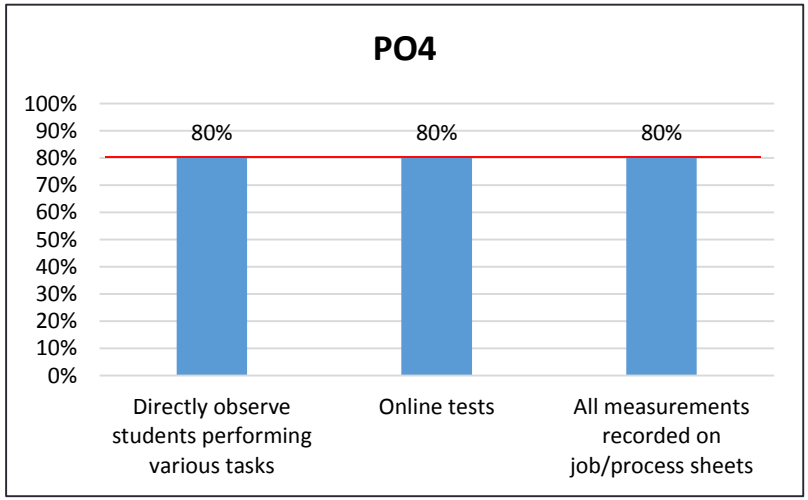
Demonstrate appropriate mathematical and scientific employability and communication skills by written or hands-on assessment



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

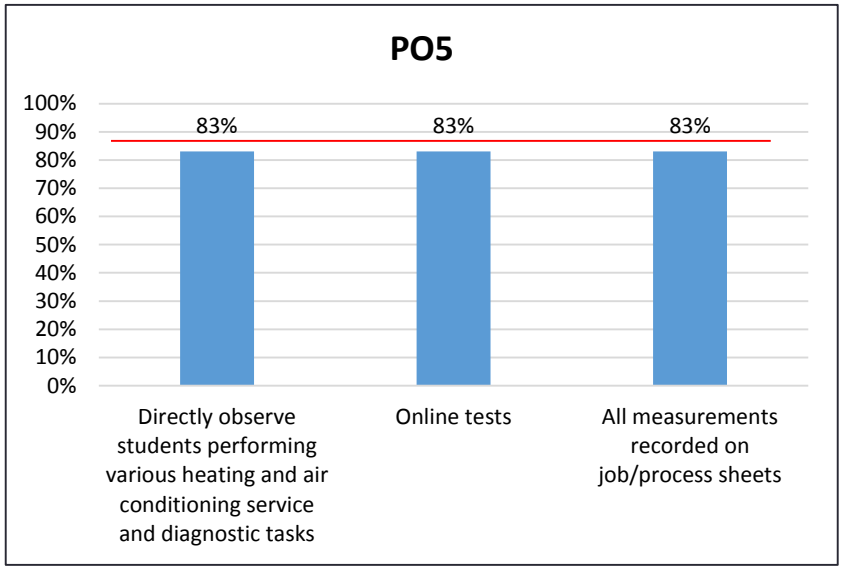


Diagnose, service, and repair automotive braking, steering and suspension, and drivability performance systems

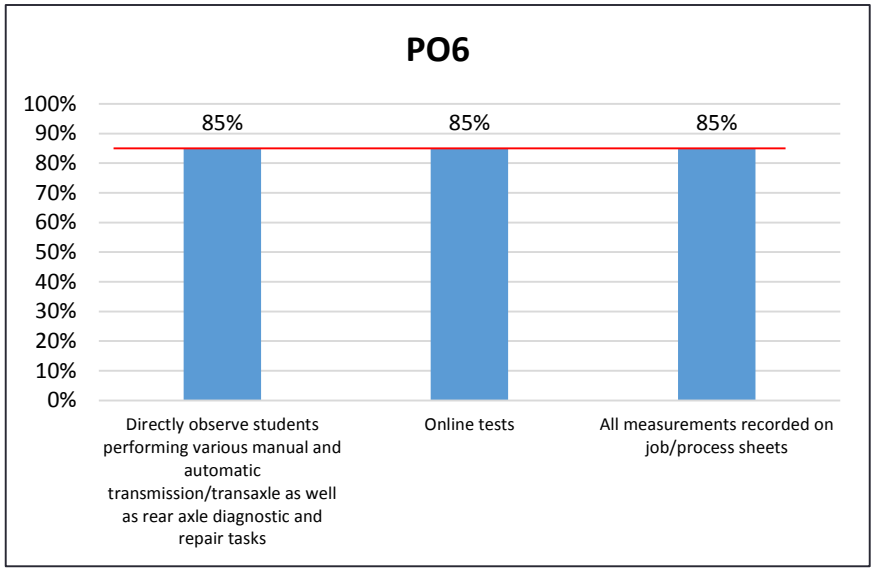


Diagnose, service, and repair automotive electrical and electronic systems

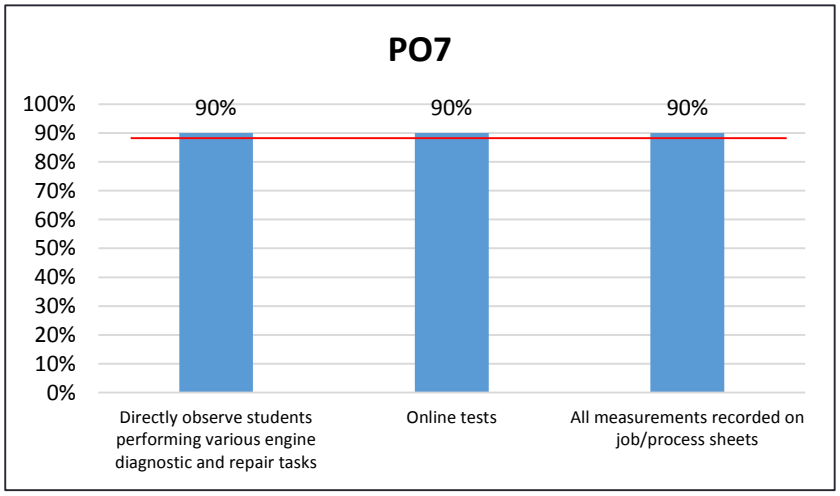
Assessment Data 2014-2015
1201 - Automotive Service Technology



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.

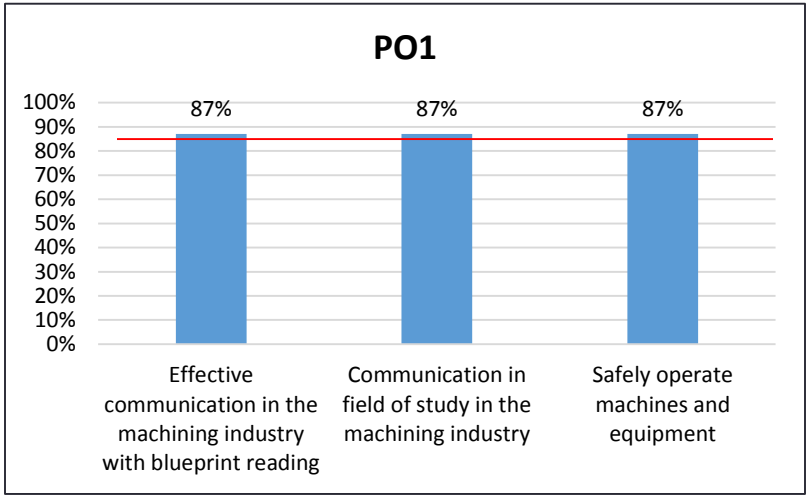
PO2: Identify and use different tools, equipment, material and measuring tools used in the industry.

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

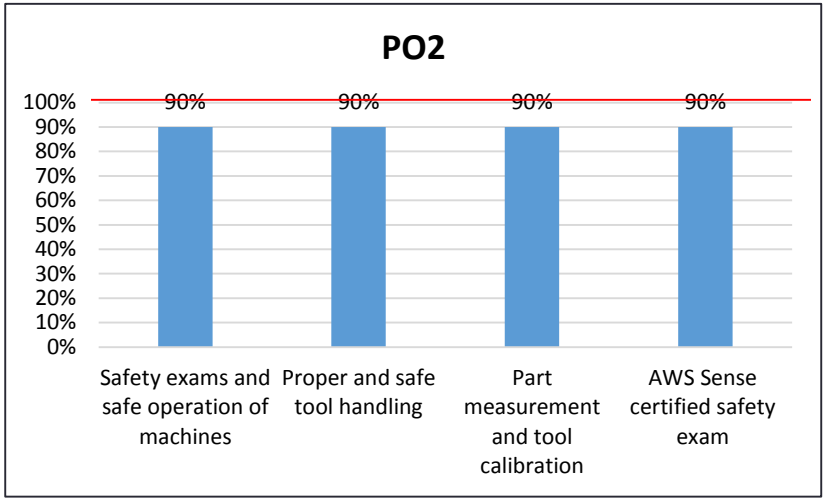
PO4: Demonstrate knowledge and skill in the industrial workplace.

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

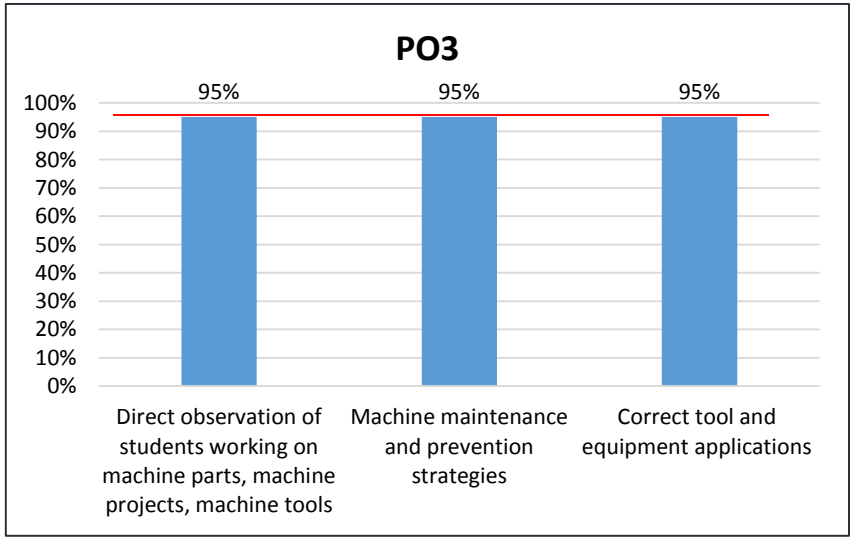
Assessment Data 2014-2015
1202 - Machining



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



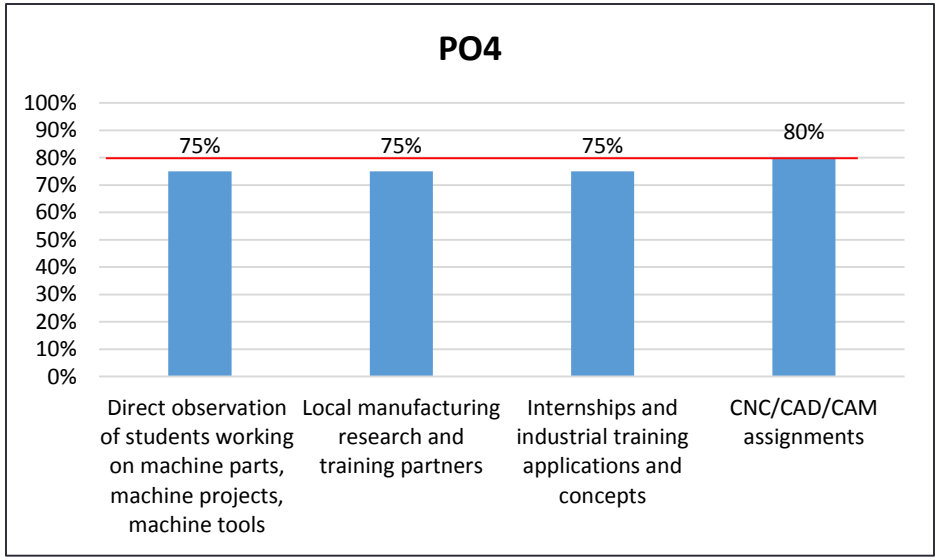
Identify and use different tools, equipment, material and measuring tools used in the industry



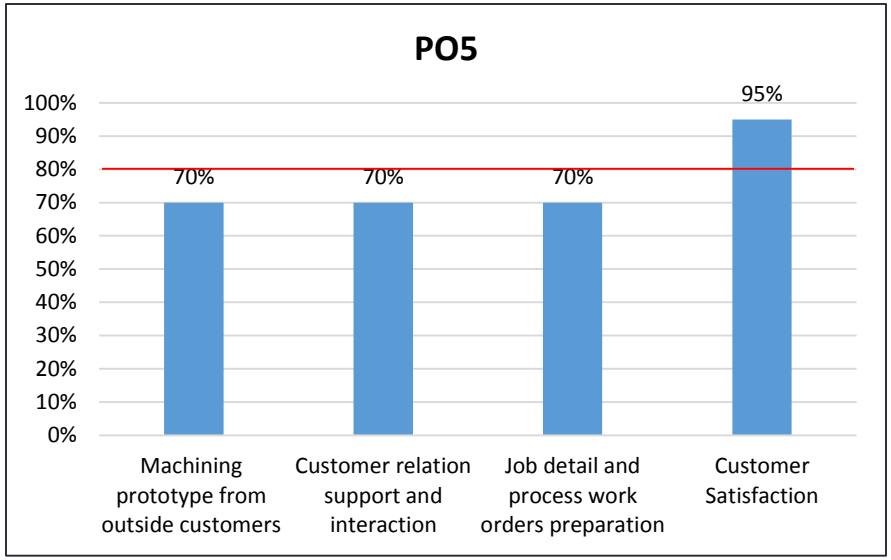
Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety

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.

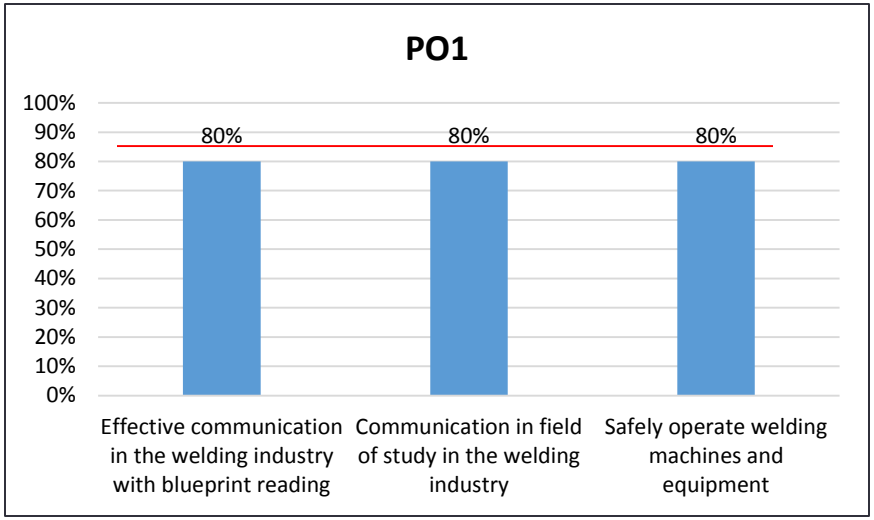
PO2: Identify and use different tools, equipment, material and electrical products used in the industry.

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

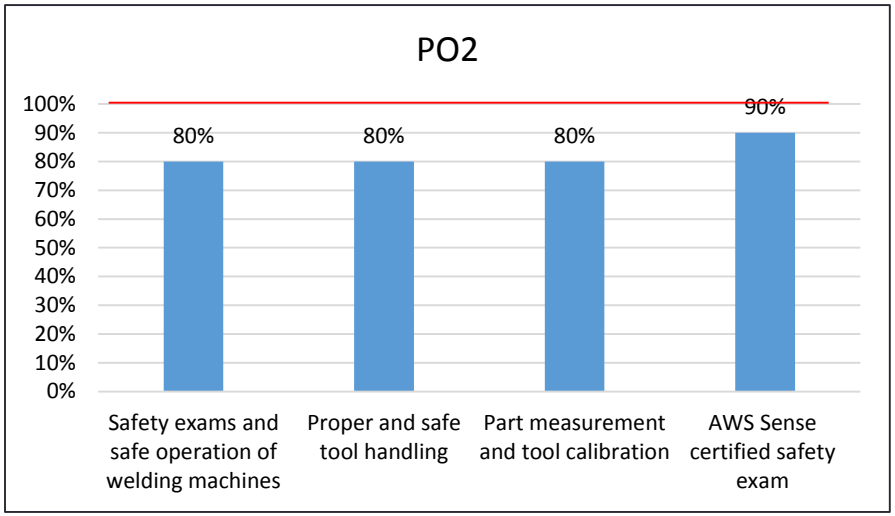
PO4: Demonstrate knowledge and skill in the welding, commercial and industrial markets.

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

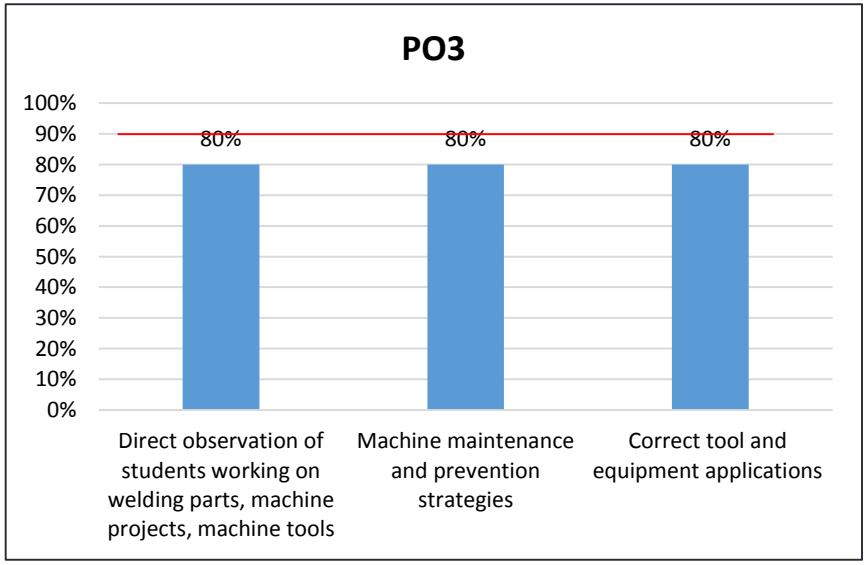
Assessment Data 2014-2015
1033 - Welding Technology - Applied



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



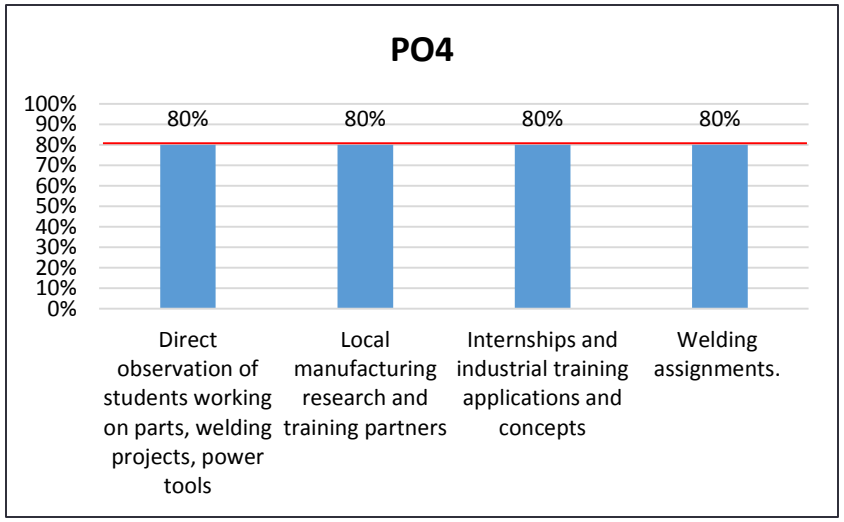
Identify and use different tools, equipment, material and electrical products used in the industry



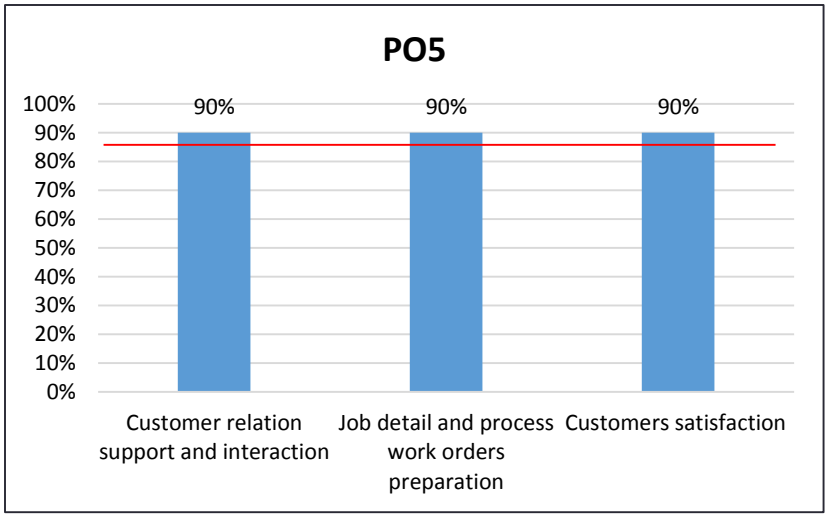
Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety

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 2013-2014 and 2014-2015
Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	13/14	14/15	13/14	14/15	13/14	14/15	13/14	14/15
Air Conditioning, Refrigeration, and Heating Mechanic (1054)	70%	70%	85%	85%	80%	80%	85%	70%
Air Conditioning, Refrigeration, and Heating Technology (1011)	70%	70%	85%	85%	70%	80%	80%	80%
Automotive Collision Repair and Refinishing (1097)	80%	80%	80%	95%	90%	88%	80%	80%
Automotive Service Technology (1201)	85%	90%	82%	84%	80%	80%	78%	80%
Machining (1202)	85%	80%	90%	90%	80%	90%	90%	85%
Welding Technology – Applied (1033)	80%	80%	90%	80%	80%	80%	85%	80%

Source: School of Education Assessment Reports