



IMMERSIVE TECHNOLOGIES IN AEROSPACE TRAINING

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PREPARED BY:

Inquiry Minded Consulting (IMC) and UP360, for
Downsview Aerospace Innovation & Research (DAIR)

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The Ontario Ministry of Labour, Training and Skills
Development – Skills Development Fund



DAIR - Pre Survey - Overall Pre

Group

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Pilot	27	51.9	51.9	51.9
	Control	25	48.1	48.1	100.0
	Total	52	100.0	100.0	

Statistics

		1a. Safety practices of a Composite Technician	1b. Materials used in composite fabrication	1c. Processes for composite fabrication	1d. Specific terms used in composite fabrication	1e. Types of machinery used in composite fabrication
N	Valid	52	52	52	52	52
	Missing	0	0	0	0	0
Mean		3.88	3.48	3.44	3.33	3.35
Median		4.00	4.00	4.00	3.00	3.00
Mode		4	4	4	4	3

Statistics

		1f. Workspace organization requirements for composite fabrication	1g. Mathematics functions required for composite fabrication	1h. How to use the technical data manuals and information needed for composite fabrication	1i. How to assure quality in composite fabrication	1j. Understanding foreign object damage in composite fabrication
N	Valid	52	52	52	52	52
	Missing	0	0	0	0	0
Mean		3.81	3.25	3.54	3.75	4.06
Median		4.00	3.00	4.00	4.00	4.00
Mode		4	4	4	4	4

DAIR - Pre Survey - Overall Pre

Statistics

		1k. How to use measuring tools in composite fabrication	1l. How to use hand tools in composite fabrication	1m. How to use power tools in composite fabrication	1n. How to use fixtures in composite fabrication	1o. How to perform key lamination processes for composite fabrication
N	Valid	52	52	52	52	52
	Missing	0	0	0	0	0
Mean		3.96	3.96	3.63	3.56	3.25
Median		4.00	4.00	4.00	4.00	3.00
Mode		4	4 ^a	3 ^a	4	4

Statistics

		1p. How to perform key post lamination processes for composite fabrication	1q. How to perform key assembly processes for composite fabrication
N	Valid	52	52
	Missing	0	0
Mean		3.02	3.35
Median		3.00	3.50
Mode		4	4

a. Multiple modes exist. The smallest value is shown

1a. Safety practices of a Composite Technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	3	5.8	5.8	9.6
	3	10	19.2	19.2	28.8
	4	21	40.4	40.4	69.2
	5 - Excellent	16	30.8	30.8	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

1b. Materials used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	6	11.5	11.5	15.4
	3	16	30.8	30.8	46.2
	4	21	40.4	40.4	86.5
	5 - Excellent	7	13.5	13.5	100.0
	Total	52	100.0	100.0	

1c. Processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	3	5.8	5.8	5.8
	2	3	5.8	5.8	11.5
	3	19	36.5	36.5	48.1
	4	22	42.3	42.3	90.4
	5 - Excellent	5	9.6	9.6	100.0
	Total	52	100.0	100.0	

1d. Specific terms used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	9	17.3	17.3	21.2
	3	17	32.7	32.7	53.8
	4	18	34.6	34.6	88.5
	5 - Excellent	6	11.5	11.5	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

1e. Types of machinery used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	5	9.6	9.6	13.5
	3	22	42.3	42.3	55.8
	4	19	36.5	36.5	92.3
	5 - Excellent	4	7.7	7.7	100.0
	Total	52	100.0	100.0	

1f. Workspace organization requirements for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	5	9.6	9.6	11.5
	3	11	21.2	21.2	32.7
	4	21	40.4	40.4	73.1
	5 - Excellent	14	26.9	26.9	100.0
	Total	52	100.0	100.0	

1g. Mathematics functions required for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	10	19.2	19.2	23.1
	3	17	32.7	32.7	55.8
	4	19	36.5	36.5	92.3
	5 - Excellent	4	7.7	7.7	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

1h. How to use the technical data manuals and information needed for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	8	15.4	15.4	17.3
	3	15	28.8	28.8	46.2
	4	18	34.6	34.6	80.8
	5 - Excellent	10	19.2	19.2	100.0
	Total	52	100.0	100.0	

1i. How to assure quality in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	4	7.7	7.7	11.5
	3	10	19.2	19.2	30.8
	4	25	48.1	48.1	78.8
	5 - Excellent	11	21.2	21.2	100.0
	Total	52	100.0	100.0	

1j. Understanding foreign object damage in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	4	7.7	7.7	7.7
	3	6	11.5	11.5	19.2
	4	25	48.1	48.1	67.3
	5 - Excellent	17	32.7	32.7	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

1k. How to use measuring tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	1.9	1.9	1.9
	3	14	26.9	26.9	28.8
	4	23	44.2	44.2	73.1
	5 - Excellent	14	26.9	26.9	100.0
	Total	52	100.0	100.0	

1l. How to use hand tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	2	3.8	3.8	5.8
	3	13	25.0	25.0	30.8
	4	18	34.6	34.6	65.4
	5 - Excellent	18	34.6	34.6	100.0
	Total	52	100.0	100.0	

1m. How to use power tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	6	11.5	11.5	15.4
	3	15	28.8	28.8	44.2
	4	15	28.8	28.8	73.1
	5 - Excellent	14	26.9	26.9	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

1n. How to use fixtures in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	8	15.4	15.4	15.4
	3	16	30.8	30.8	46.2
	4	19	36.5	36.5	82.7
	5 - Excellent	9	17.3	17.3	100.0
	Total	52	100.0	100.0	

1o. How to perform key lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	3	5.8	5.8	5.8
	2	10	19.2	19.2	25.0
	3	16	30.8	30.8	55.8
	4	17	32.7	32.7	88.5
	5 - Excellent	6	11.5	11.5	100.0
	Total	52	100.0	100.0	

1p. How to perform key post lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	5	9.6	9.6	9.6
	2	12	23.1	23.1	32.7
	3	15	28.8	28.8	61.5
	4	17	32.7	32.7	94.2
	5 - Excellent	3	5.8	5.8	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

1q. How to perform key assembly processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	5	9.6	9.6	9.6
	2	9	17.3	17.3	26.9
	3	12	23.1	23.1	50.0
	4	15	28.8	28.8	78.8
	5 - Excellent	11	21.2	21.2	100.0
	Total	52	100.0	100.0	

Statistics

		2a. Safety practices of a Composite Technician	2b. Materials used in composite fabrication	2c. Processes for composite fabrication	2d. Specific terms used in composite fabrication	2e. Types of machinery used in composite fabrication
N	Valid	52	52	52	52	52
	Missing	0	0	0	0	0
Mean		3.90	3.67	3.54	3.42	3.46
Median		4.00	4.00	3.50	3.50	4.00
Mode		4	4	3	4	4

Statistics

		2f. Workspace organization requirements for composite fabrication	2g. Mathematics functions required for composite fabrication	2h. How to use the technical data manuals and information needed for composite fabrication	2i. How to assure quality in composite fabrication	2j. Understanding foreign object damage in composite fabrication
N	Valid	52	52	52	52	52
	Missing	0	0	0	0	0
Mean		3.79	3.33	3.62	3.94	4.00
Median		4.00	3.50	4.00	4.00	4.00
Mode		4	4	4	4	4

DAIR - Pre Survey - Overall Pre

Statistics

		2k. How to use measuring tools in composite fabrication	2l. How to use hand tools in composite fabrication	2m. How to use power tools in composite fabrication	2n. How to use fixtures in composite fabrication	2o. How to perform key lamination processes for composite fabrication
N	Valid	52	52	52	52	52
	Missing	0	0	0	0	0
Mean		3.79	3.85	3.71	3.52	3.23
Median		4.00	4.00	4.00	3.00	3.00
Mode		4	4	3 ^a	3	3

Statistics

		2p. How to perform key post lamination processes for composite fabrication	2q. How to perform key assembly processes for composite fabrication
N	Valid	52	52
	Missing	0	0
Mean		3.15	3.35
Median		3.00	3.00
Mode		3	4

a. Multiple modes exist. The smallest value is shown

2a. Safety practices of a Composite Technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	2	3.8	3.8	5.8
	3	12	23.1	23.1	28.8
	4	23	44.2	44.2	73.1
	5 - Excellent	14	26.9	26.9	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

2b. Materials used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	3	5.8	5.8	5.8
	2	2	3.8	3.8	9.6
	3	12	23.1	23.1	32.7
	4	27	51.9	51.9	84.6
	5 - Excellent	8	15.4	15.4	100.0
	Total	52	100.0	100.0	

2c. Processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	4	7.7	7.7	11.5
	3	20	38.5	38.5	50.0
	4	16	30.8	30.8	80.8
	5 - Excellent	10	19.2	19.2	100.0
	Total	52	100.0	100.0	

2d. Specific terms used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	5	9.6	9.6	13.5
	3	19	36.5	36.5	50.0
	4	21	40.4	40.4	90.4
	5 - Excellent	5	9.6	9.6	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

2e. Types of machinery used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	3	5.8	5.8	5.8
	2	4	7.7	7.7	13.5
	3	18	34.6	34.6	48.1
	4	20	38.5	38.5	86.5
	5 - Excellent	7	13.5	13.5	100.0
	Total	52	100.0	100.0	

2f. Workspace organization requirements for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	2	3.8	3.8	7.7
	3	13	25.0	25.0	32.7
	4	23	44.2	44.2	76.9
	5 - Excellent	12	23.1	23.1	100.0
	Total	52	100.0	100.0	

2g. Mathematics functions required for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	9	17.3	17.3	21.2
	3	15	28.8	28.8	50.0
	4	22	42.3	42.3	92.3
	5 - Excellent	4	7.7	7.7	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

2h. How to use the technical data manuals and information needed for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	3	5.8	5.8	7.7
	3	19	36.5	36.5	44.2
	4	21	40.4	40.4	84.6
	5 - Excellent	8	15.4	15.4	100.0
	Total	52	100.0	100.0	

2i. How to assure quality in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	2	3.8	3.8	3.8
	2	1	1.9	1.9	5.8
	3	10	19.2	19.2	25.0
	4	24	46.2	46.2	71.2
	5 - Excellent	15	28.8	28.8	100.0
	Total	52	100.0	100.0	

2j. Understanding foreign object damage in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	2	3.8	3.8	5.8
	3	6	11.5	11.5	17.3
	4	30	57.7	57.7	75.0
	5 - Excellent	13	25.0	25.0	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

2k. How to use measuring tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	3	5.8	5.8	7.7
	3	13	25.0	25.0	32.7
	4	24	46.2	46.2	78.8
	5 - Excellent	11	21.2	21.2	100.0
	Total	52	100.0	100.0	

2l. How to use hand tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	3	5.8	5.8	7.7
	3	14	26.9	26.9	34.6
	4	19	36.5	36.5	71.2
	5 - Excellent	15	28.8	28.8	100.0
	Total	52	100.0	100.0	

2m. How to use power tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	4	7.7	7.7	9.6
	3	17	32.7	32.7	42.3
	4	17	32.7	32.7	75.0
	5 - Excellent	13	25.0	25.0	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

2n. How to use fixtures in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	1	1.9	1.9	1.9
	2	5	9.6	9.6	11.5
	3	22	42.3	42.3	53.8
	4	14	26.9	26.9	80.8
	5 - Excellent	10	19.2	19.2	100.0
	Total	52	100.0	100.0	

2o. How to perform key lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	3	5.8	5.8	5.8
	2	9	17.3	17.3	23.1
	3	19	36.5	36.5	59.6
	4	15	28.8	28.8	88.5
	5 - Excellent	6	11.5	11.5	100.0
	Total	52	100.0	100.0	

2p. How to perform key post lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	3	5.8	5.8	5.8
	2	9	17.3	17.3	23.1
	3	21	40.4	40.4	63.5
	4	15	28.8	28.8	92.3
	5 - Excellent	4	7.7	7.7	100.0
	Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

2q. How to perform key assembly processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 - Poor	4	7.7	7.7	7.7
	2	8	15.4	15.4	23.1
	3	15	28.8	28.8	51.9
	4	16	30.8	30.8	82.7
	5 - Excellent	9	17.3	17.3	100.0
	Total	52	100.0	100.0	

3. Please tell us the main reasons for participating in this training program. Please check all that apply.

		Responses		Percent of Cases
		N	Percent	
q3 ^a	My employer encouraged me to participate	34	25.4%	65.4%
	It will help update my current skills	30	22.4%	57.7%
	I want to build my skills in the aerospace sector in general	35	26.1%	67.3%
	I am particularly interested in composites in aerospace training	19	14.2%	36.5%
	It will help me get a better job in future	13	9.7%	25.0%
	Something else? What?	3	2.2%	5.8%
Total		134	100.0%	257.7%

a. Dichotomy group tabulated at value 1.

DAIR - Pre Survey - Overall Pre

3. Please tell us the main reasons for participating in this training program. Please check all that apply.

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	49	94.2	94.2	94.2
I was picked	1	1.9	1.9	96.2
I was picked to participate	1	1.9	1.9	98.1
It will help me with my internal audits	1	1.9	1.9	100.0
Total	52	100.0	100.0	

4. Please tell us what you are hoping will result from your participation in this training program. Please check all that apply.

		Responses		Percent of Cases
		N	Percent	
q4 ^a	It will add to my current skill set	46	32.2%	88.5%
	It will make me more confident in my current job	37	25.9%	71.2%
	It will help me understand what other opportunities I might have in the aerospace sector	29	20.3%	55.8%
	It will help me get the job that I want in future	16	11.2%	30.8%
	It is a particular area of interest of mine	14	9.8%	26.9%
	Something else? What?	1	0.7%	1.9%
Total		143	100.0%	275.0%

a. Dichotomy group tabulated at value 1.

4. Please tell us what you are hoping will result from your participation in this training program. Please check all that apply.

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	51	98.1	98.1	98.1
Help with wage increase	1	1.9	1.9	100.0
Total	52	100.0	100.0	

DAIR - Pre Survey - Overall Pre

5. What are you most curious to learn from your participation in this course?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	17	32.7	32.7	32.7
A better understanding of the job, terms and skills	1	1.9	1.9	34.6
Any industry standard practices that I have yet to be exposed to in my career	1	1.9	1.9	36.5
Anything new	1	1.9	1.9	38.5
Better understanding of how composites work.	1	1.9	1.9	40.4
Due to me being a new hire, my skillset is very limited. I think this will develop my skills and my progress in the company!	1	1.9	1.9	42.3
Everything there is to learn	1	1.9	1.9	44.2
Everything. I am fairly new and I find the more information I learn the better for me.	1	1.9	1.9	46.2
Find out things I currently do not know.	1	1.9	1.9	48.1
I am curious to know how a virtual learning experience will be different from in class or in lab learning experiences. Also excited about the knowledge I can acquire from this course.	1	1.9	1.9	50.0
I am interested in all aspects of the course since most of my training in composites are hands on, not course or school related.	1	1.9	1.9	51.9
I am looking forward to a more hands on approach to learning about composites layup.	1	1.9	1.9	53.8
I am most curious to learn what my skill level and knowledge are according to the training program	1	1.9	1.9	55.8
I want to soak up any and all knowledge that I can to better myself for now and any future opportunities that I may receive in the future.	1	1.9	1.9	57.7
I would like to learn more about the technical side of composit layup.	1	1.9	1.9	59.6
I'm most curious to learn what composite applications are currently being used in aerospace and how I may be able to focus training to best suit my skillset.	1	1.9	1.9	61.5
Injection mold layups	1	1.9	1.9	63.5
Lamination processes and more assembly techniques	1	1.9	1.9	65.4
Layup	1	1.9	1.9	67.3
Learning on how to work with the different composite materials and get in depth details on their processes.	1	1.9	1.9	69.2
Learning other things then just lamination	1	1.9	1.9	71.2
Manufacturing processes that I haven't seen or worked on before	1	1.9	1.9	73.1
More in depth ways of how things work and why we do things certain ways. also some tips and tricks that may help me in everyday work	1	1.9	1.9	75.0
More skills in my current job.	1	1.9	1.9	76.9
New advance processing for composite fabrication	1	1.9	1.9	78.8
Nothing specific the more I know it is better for my performance and nolage of the layup.	1	1.9	1.9	80.8

DAIR - Pre Survey - Overall Pre

5. What are you most curious to learn from your participation in this course?

	Frequency	Percent	Valid Percent	Cumulative Percent
Practical knowledge in aerospace composite manufacturing.	1	1.9	1.9	82.7
The break down and processing of everything involved from start to finish.	1	1.9	1.9	84.6
The different processes in this course	1	1.9	1.9	86.5
The things I don't know	1	1.9	1.9	88.5
To help me better my skills	1	1.9	1.9	90.4
To learn about composite	1	1.9	1.9	92.3
To learn more ideas and to be more knowledgeable in the aerospace industry.To do more things in relation to my job.	1	1.9	1.9	94.2
Understanding what technical skills and knowledge go into each department of the composite area of our facility.	1	1.9	1.9	96.2
Updating my skills in the composite area and learn how to be more efficient..	1	1.9	1.9	98.1
Use of composite tooling.	1	1.9	1.9	100.0
Total	52	100.0	100.0	

DAIR - Pre Survey - T Test

Group Statistics

	Group	N	Mean	Std. Deviation	Std. Error Mean
1a. Safety practices of a Composite Technician	Pilot	27	4.00	1.144	.220
	Control	25	3.76	.926	.185
1b. Materials used in composite fabrication	Pilot	27	3.56	1.050	.202
	Control	25	3.40	.957	.191
1c. Processes for composite fabrication	Pilot	27	3.52	1.087	.209
	Control	25	3.36	.810	.162
1d. Specific terms used in composite fabrication	Pilot	27	3.52	1.051	.202
	Control	25	3.12	.971	.194
1e. Types of machinery used in composite fabrication	Pilot	27	3.48	.893	.172
	Control	25	3.20	.913	.183
1f. Workspace organization requirements for composite fabrication	Pilot	27	4.04	1.126	.217
	Control	25	3.56	.821	.164
1g. Mathematics functions required for composite fabrication	Pilot	27	3.37	1.006	.194
	Control	25	3.12	.971	.194
1h. How to use the technical data manuals and information needed for composite fabrication	Pilot	27	3.78	1.013	.195
	Control	25	3.28	1.021	.204
1i. How to assure quality in composite fabrication	Pilot	27	3.93	1.107	.213
	Control	25	3.56	.870	.174
1j. Understanding foreign object damage in composite fabrication	Pilot	27	4.15	.949	.183
	Control	25	3.96	.790	.158
1k. How to use measuring tools in composite fabrication	Pilot	27	4.11	.751	.145
	Control	25	3.80	.816	.163
1l. How to use hand tools in composite fabrication	Pilot	27	4.04	1.055	.203
	Control	25	3.88	.881	.176
1m. How to use power tools in composite fabrication	Pilot	27	3.56	1.281	.247
	Control	25	3.72	.936	.187
1n. How to use fixtures in composite fabrication	Pilot	27	3.48	1.014	.195
	Control	25	3.64	.907	.181

DAIR - Pre Survey - T Test

Group Statistics

	Group	N	Mean	Std. Deviation	Std. Error Mean
1o. How to perform key lamination processes for composite fabrication	Pilot	27	3.22	1.219	.235
	Control	25	3.28	.936	.187
1p. How to perform key post lamination processes for composite fabrication	Pilot	27	3.00	1.240	.239
	Control	25	3.04	.935	.187
1q. How to perform key assembly processes for composite fabrication	Pilot	27	3.30	1.463	.282
	Control	25	3.40	1.041	.208

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
1a. Safety practices of a Composite Technician	Equal variances assumed	.311	.579	.828	50	.412	.240	.290	-.342	.822
	Equal variances not assumed			.835	49.151	.408	.240	.288	-.338	.818
1b. Materials used in composite fabrication	Equal variances assumed	.276	.602	.557	50	.580	.156	.279	-.406	.717
	Equal variances not assumed			.559	49.990	.579	.156	.278	-.404	.715
1c. Processes for composite fabrication	Equal variances assumed	2.048	.159	.592	50	.556	.159	.268	-.379	.696
	Equal variances not assumed			.599	47.882	.552	.159	.265	-.374	.691
1d. Specific terms used in composite fabrication	Equal variances assumed	.306	.583	1.416	50	.163	.399	.281	-.167	.964
	Equal variances not assumed			1.421	50.000	.162	.399	.280	-.165	.962
1e. Types of machinery used in composite fabrication	Equal variances assumed	.000	.992	1.123	50	.267	.281	.251	-.222	.785
	Equal variances not assumed			1.123	49.502	.267	.281	.251	-.222	.785
1f. Workspace organization requirements for composite fabrication	Equal variances assumed	1.046	.311	1.734	50	.089	.477	.275	-.076	1.030
	Equal variances not assumed			1.755	47.464	.086	.477	.272	-.070	1.024
1g. Mathematics functions required for composite fabrication	Equal variances assumed	.061	.806	.912	50	.366	.250	.275	-.301	.802
	Equal variances not assumed			.913	49.905	.366	.250	.274	-.300	.801
1h. How to use the technical data manuals and information needed for composite fabrication	Equal variances assumed	.238	.628	1.764	50	.084	.498	.282	-.069	1.065
	Equal variances not assumed			1.763	49.624	.084	.498	.282	-.069	1.065
1i. How to assure quality in composite fabrication	Equal variances assumed	.011	.918	1.318	50	.193	.366	.278	-.192	.923
	Equal variances not assumed			1.331	48.754	.190	.366	.275	-.187	.919
1j. Understanding foreign object damage in composite fabrication	Equal variances assumed	3.132	.083	.774	50	.443	.188	.243	-.300	.676
	Equal variances not assumed			.779	49.461	.439	.188	.241	-.297	.673
1k. How to use measuring tools in composite fabrication	Equal variances assumed	.250	.619	1.431	50	.159	.311	.217	-.125	.748
	Equal variances not assumed			1.427	48.728	.160	.311	.218	-.127	.749

DAIR - Pre Survey - T Test

		Levene's Test for Equality of Variances				t-test for Equality of Means				
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
1l. How to use hand tools in composite fabrication	Equal variances assumed	.179	.674	.580	50	.565	.157	.271	-.387	.701
	Equal variances not assumed			.584	49.495	.562	.157	.269	-.383	.697
1m. How to use power tools in composite fabrication	Equal variances assumed	3.458	.069	-.525	50	.602	-.164	.313	-.794	.465
	Equal variances not assumed			-.531	47.520	.598	-.164	.310	-.787	.458
1n. How to use fixtures in composite fabrication	Equal variances assumed	.753	.390	-.592	50	.556	-.159	.268	-.696	.379
	Equal variances not assumed			-.595	49.947	.555	-.159	.267	-.694	.377
1o. How to perform key lamination processes for composite fabrication	Equal variances assumed	1.999	.164	-.190	50	.850	-.058	.303	-.667	.551
	Equal variances not assumed			-.192	48.394	.848	-.058	.300	-.661	.546
1p. How to perform key post lamination processes for composite fabrication	Equal variances assumed	1.165	.286	-.131	50	.897	-.040	.306	-.656	.576
	Equal variances not assumed			-.132	48.076	.896	-.040	.303	-.650	.570
1q. How to perform key assembly processes for composite fabrication	Equal variances assumed	5.520	.023	-.292	50	.771	-.104	.355	-.816	.609
	Equal variances not assumed			-.296	46.988	.768	-.104	.350	-.808	.601

Group Statistics

	Group	N	Mean	Std. Deviation	Std. Error Mean
2a. Safety practices of a Composite Technician	Pilot	27	4.07	.997	.192
	Control	25	3.72	.792	.158
2b. Materials used in composite fabrication	Pilot	27	3.78	1.013	.195
	Control	25	3.56	.961	.192
2c. Processes for composite fabrication	Pilot	27	3.67	1.038	.200
	Control	25	3.40	1.000	.200
2d. Specific terms used in composite fabrication	Pilot	27	3.44	.934	.180
	Control	25	3.40	.957	.191
2e. Types of machinery used in composite fabrication	Pilot	27	3.56	1.013	.195
	Control	25	3.36	1.036	.207
2f. Workspace organization requirements for composite fabrication	Pilot	27	3.93	1.035	.199
	Control	25	3.64	.907	.181
2g. Mathematics functions required for composite fabrication	Pilot	27	3.41	1.083	.209
	Control	25	3.24	.879	.176

DAIR - Pre Survey - T Test

Group Statistics

	Group	N	Mean	Std. Deviation	Std. Error Mean
2h. How to use the technical data manuals and information needed for composite fabrication	Pilot	27	3.78	.934	.180
	Control	25	3.44	.821	.164
2i. How to assure quality in composite fabrication	Pilot	27	4.04	1.091	.210
	Control	25	3.84	.800	.160
2j. Understanding foreign object damage in composite fabrication	Pilot	27	4.11	.892	.172
	Control	25	3.88	.781	.156
2k. How to use measuring tools in composite fabrication	Pilot	27	3.89	.974	.187
	Control	25	3.68	.852	.170
2l. How to use hand tools in composite fabrication	Pilot	27	3.93	1.072	.206
	Control	25	3.76	.879	.176
2m. How to use power tools in composite fabrication	Pilot	27	3.74	1.095	.211
	Control	25	3.68	.900	.180
2n. How to use fixtures in composite fabrication	Pilot	27	3.56	1.013	.195
	Control	25	3.48	.963	.193
2o. How to perform key lamination processes for composite fabrication	Pilot	27	3.37	1.149	.221
	Control	25	3.08	.954	.191
2p. How to perform key post lamination processes for composite fabrication	Pilot	27	3.22	1.188	.229
	Control	25	3.08	.759	.152
2q. How to perform key assembly processes for composite fabrication	Pilot	27	3.37	1.305	.251
	Control	25	3.32	1.030	.206

DAIR - Pre Survey - T Test

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
2a. Safety practices of a Composite Technician	Equal variances assumed	.033	.856	1.411	50	.165	.354	.251	-.150	.858
	Equal variances not assumed			1.423	48.898	.161	.354	.249	-.146	.854
2b. Materials used in composite fabrication	Equal variances assumed	.146	.704	.794	50	.431	.218	.274	-.333	.769
	Equal variances not assumed			.796	49.966	.430	.218	.274	-.332	.768
2c. Processes for composite fabrication	Equal variances assumed	.060	.808	.942	50	.351	.267	.283	-.302	.835
	Equal variances not assumed			.943	49.914	.350	.267	.283	-.301	.834
2d. Specific terms used in composite fabrication	Equal variances assumed	.034	.855	.169	50	.866	.044	.262	-.482	.571
	Equal variances not assumed			.169	49.469	.866	.044	.263	-.483	.572
2e. Types of machinery used in composite fabrication	Equal variances assumed	.155	.696	.688	50	.495	.196	.284	-.375	.766
	Equal variances not assumed			.687	49.493	.495	.196	.284	-.376	.767
2f. Workspace organization requirements for composite fabrication	Equal variances assumed	.165	.686	1.056	50	.296	.286	.271	-.258	.830
	Equal variances not assumed			1.061	49.861	.294	.286	.269	-.255	.827
2g. Mathematics functions required for composite fabrication	Equal variances assumed	1.594	.213	.609	50	.545	.167	.275	-.385	.720
	Equal variances not assumed			.614	49.186	.542	.167	.273	-.381	.716
2h. How to use the technical data manuals and information needed for composite fabrication	Equal variances assumed	.037	.848	1.381	50	.173	.338	.245	-.153	.829
	Equal variances not assumed			1.388	49.873	.171	.338	.243	-.151	.827
2i. How to assure quality in composite fabrication	Equal variances assumed	.258	.614	.738	50	.464	.197	.267	-.340	.734
	Equal variances not assumed			.746	47.577	.459	.197	.264	-.334	.728
2j. Understanding foreign object damage in composite fabrication	Equal variances assumed	.219	.642	.991	50	.327	.231	.233	-.237	.700
	Equal variances not assumed			.996	49.857	.324	.231	.232	-.235	.697
2k. How to use measuring tools in composite fabrication	Equal variances assumed	.017	.898	.820	50	.416	.209	.255	-.303	.720
	Equal variances not assumed			.824	49.851	.414	.209	.253	-.300	.718
2l. How to use hand tools in composite fabrication	Equal variances assumed	.027	.869	.608	50	.546	.166	.273	-.383	.714
	Equal variances not assumed			.612	49.315	.543	.166	.271	-.379	.710
2m. How to use power tools in composite fabrication	Equal variances assumed	.903	.347	.217	50	.829	.061	.279	-.500	.622
	Equal variances not assumed			.219	49.329	.827	.061	.277	-.496	.618
2n. How to use fixtures in composite fabrication	Equal variances assumed	.020	.887	.275	50	.784	.076	.275	-.476	.627
	Equal variances not assumed			.276	49.961	.784	.076	.274	-.475	.626
2o. How to perform key lamination processes for composite fabrication	Equal variances assumed	1.203	.278	.987	50	.328	.290	.294	-.300	.881
	Equal variances not assumed			.994	49.443	.325	.290	.292	-.296	.877
2p. How to perform key post lamination processes for composite fabrication	Equal variances assumed	4.089	.049	.510	50	.612	.142	.279	-.418	.703
	Equal variances not assumed			.518	44.610	.607	.142	.274	-.411	.695
2q. How to perform key assembly processes for composite fabrication	Equal variances assumed	2.216	.143	.154	50	.878	.050	.328	-.608	.709
	Equal variances not assumed			.155	48.807	.877	.050	.325	-.602	.703

DAIR - Exam 1 - Initial Results

Frequencies

Statistics

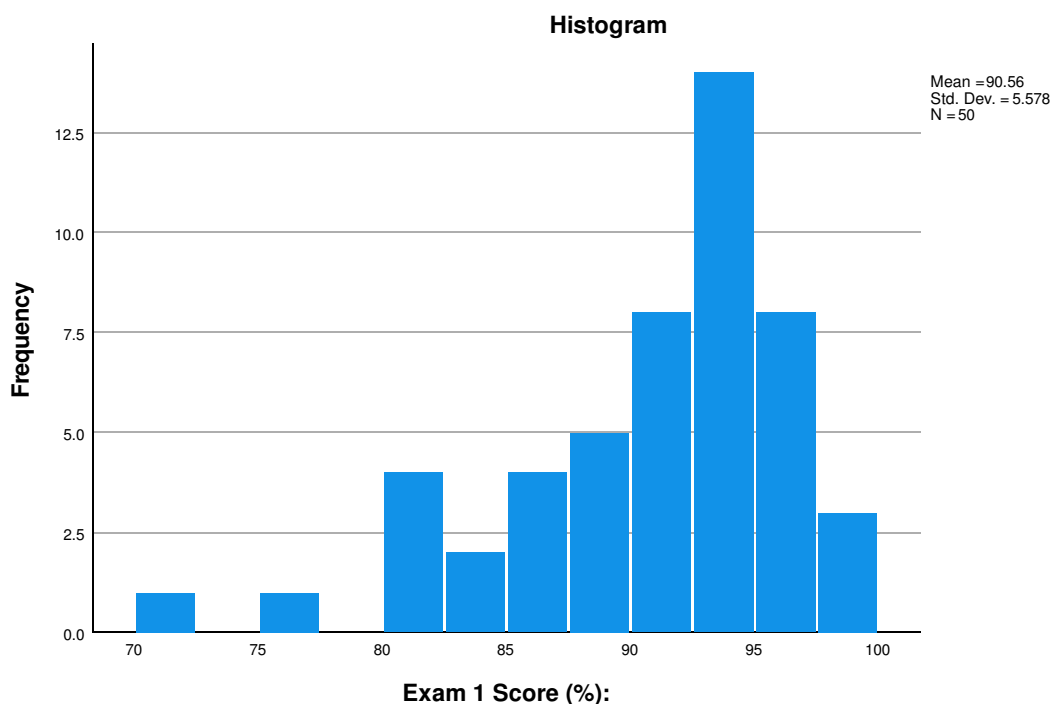
Exam 1 Score (%):

N	Valid	50
	Missing	0
Mean		90.56
Median		92.00
Mode		93
Skewness		-1.362
Std. Error of Skewness		.337
Kurtosis		2.382
Std. Error of Kurtosis		.662

Exam 1 Score (%):

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	71	1	2.0	2.0	2.0
	76	1	2.0	2.0	4.0
	82	4	8.0	8.0	12.0
	84	2	4.0	4.0	16.0
	87	4	8.0	8.0	24.0
	89	5	10.0	10.0	34.0
	91	8	16.0	16.0	50.0
	93	14	28.0	28.0	78.0
	96	8	16.0	16.0	94.0
	98	3	6.0	6.0	100.0
	Total		50	100.0	100.0

DAIR - Exam 1 - Initial Results



T-Test

Group Statistics

	Group:	N	Mean	Std. Deviation	Std. Error Mean
Exam 1 Score (%)	Immersion	25	91.80	4.368	.874
	Non-Immersion	25	89.32	6.421	1.284

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Exam 1 Score (%)	Equal variances assumed	5.115	.028	1.597	48	.117	2.480	1.553	-.643	5.603
	Equal variances not assumed			1.597	42.298	.118	2.480	1.553	-.654	5.614

DAIR - Exam 1 - Initial Results

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
Exam 1 Score (%):	Cohen's d	5.491	.452	-.112	1.011
	Hedges' correction	5.579	.445	-.111	.995
	Glass's delta	6.421	.386	-.183	.947

- a. The denominator used in estimating the effect sizes.
 Cohen's d uses the pooled standard deviation.
 Hedges' correction uses the pooled standard deviation, plus a correction factor.
 Glass's delta uses the sample standard deviation of the control group.

DAIR - Exam 2 - Frequencies

Statistics

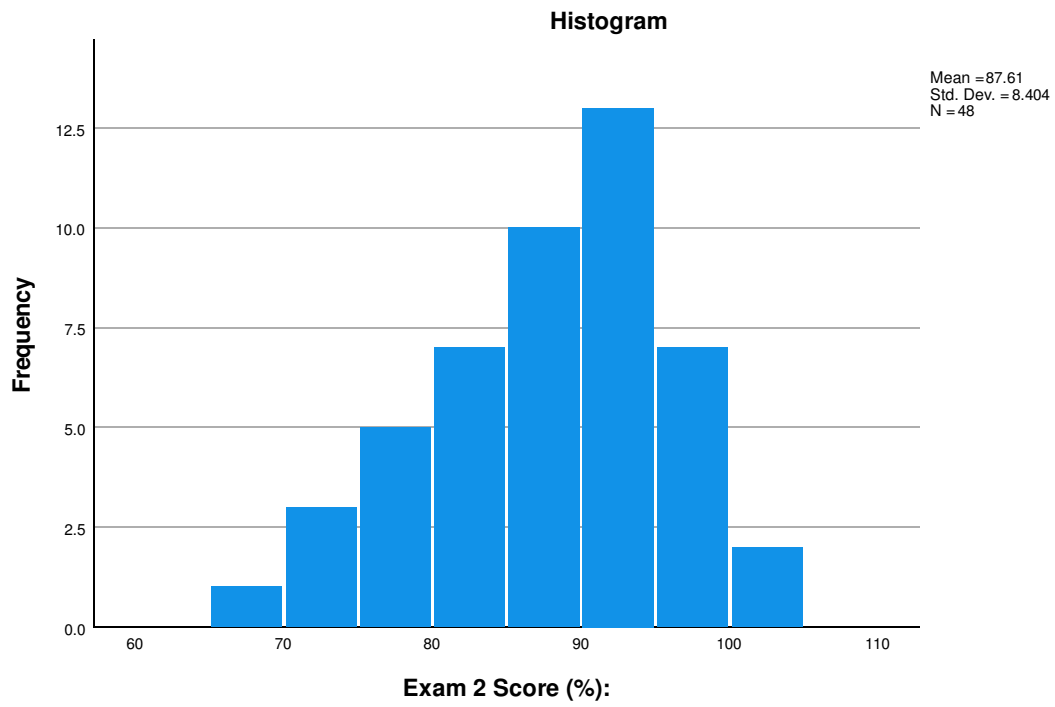
Exam 2 Score (%):

N	Valid	48
	Missing	2
Mean		87.61
Median		88.60
Mode		94

Exam 2 Score (%):

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	66	1	2.0	2.1	2.1
	71	2	4.0	4.2	6.3
	74	1	2.0	2.1	8.3
	77	5	10.0	10.4	18.8
	80	1	2.0	2.1	20.8
	83	6	12.0	12.5	33.3
	86	6	12.0	12.5	45.8
	89	4	8.0	8.3	54.2
	91	5	10.0	10.4	64.6
	94	8	16.0	16.7	81.3
	97	7	14.0	14.6	95.8
	100	2	4.0	4.2	100.0
		Total	48	96.0	100.0
Missing	System	2	4.0		
Total		50	100.0		

DAIR - Exam 2 - Frequencies



DAIR - Exam 2 - Independent T-Test

T-Test

Group Statistics

	Group:	N	Mean	Std. Deviation	Std. Error Mean
Exam 2 Score (%)	Immersion	24	89.52	6.508	1.328
	Non-Immersion	24	85.70	9.714	1.983

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means					95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Exam 2 Score (%)	Equal variances assumed	4.416	.041	1.599	46	.117	3.817	2.387	-.988	8.621
	Equal variances not assumed			1.599	40.184	.118	3.817	2.387	-1.006	8.640

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
Exam 2 Score (%)	Cohen's d	8.268	.462	-.114	1.033
	Hedges' correction	8.406	.454	-.112	1.016
	Glass's delta	9.714	.393	-.188	.966

- a. The denominator used in estimating the effect sizes.
 Cohen's d uses the pooled standard deviation.
 Hedges' correction uses the pooled standard deviation, plus a correction factor.
 Glass's delta uses the sample standard deviation of the control group.

DAIR - Exam 3 - Frequencies

Statistics

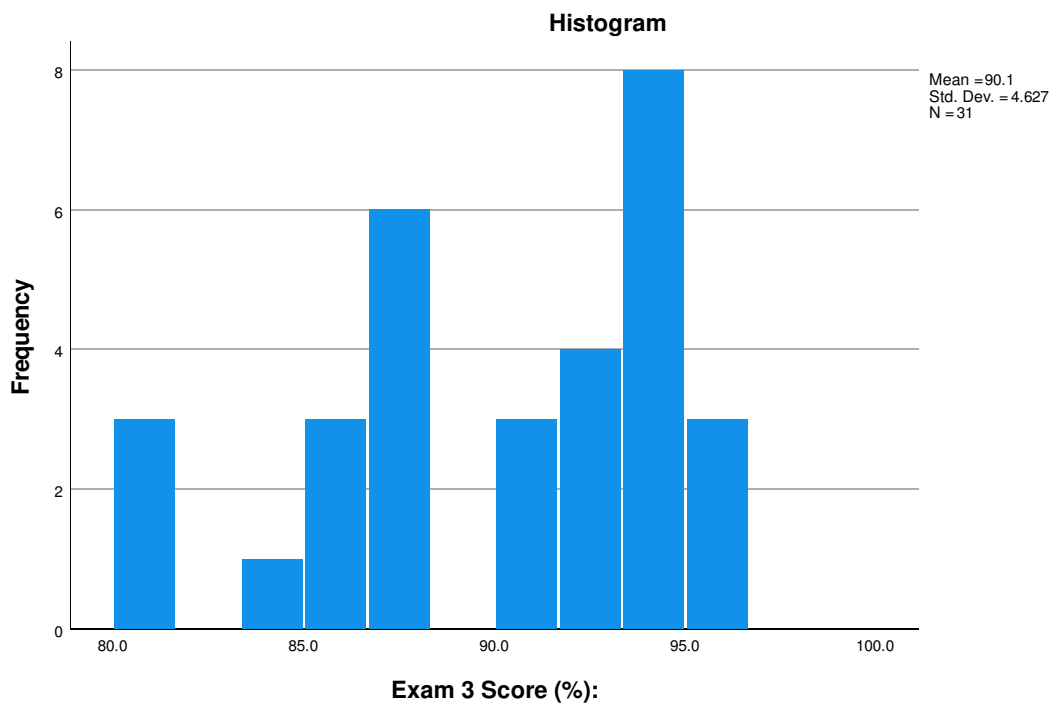
Exam 3 Score (%):

N	Valid	31
	Missing	19
Mean		90.103
Median		90.200
Mode		94.1

Exam 3 Score (%):

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	80.4	3	6.0	9.7	9.7
	84.3	1	2.0	3.2	12.9
	85.4	1	2.0	3.2	16.1
	86.3	2	4.0	6.5	22.6
	88.2	6	12.0	19.4	41.9
	90.2	3	6.0	9.7	51.6
	92.2	4	8.0	12.9	64.5
	94.1	8	16.0	25.8	90.3
	96.1	3	6.0	9.7	100.0
	Total	31	62.0	100.0	
Missing	System	19	38.0		
Total		50	100.0		

DAIR - Exam 3 - Frequencies



DAIR - Exam 3 - T-Test

Group Statistics

	Group:	N	Mean	Std. Deviation	Std. Error Mean
Exam 3 Score (%)	Immersion	10	92.470	3.6265	1.1468
	Non-Immersion	21	88.976	4.6966	1.0249

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means					95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Exam 3 Score (%)	Equal variances assumed	.974	.332	2.070	29	.047	3.4938	1.6876	.0422	6.9454
	Equal variances not assumed			2.272	22.623	.033	3.4938	1.5380	.3092	6.6784

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
Exam 3 Score (%)	Cohen's d	4.3925	.795	.009	1.569
	Hedges' correction	4.5103	.775	.009	1.528
	Glass's delta	4.6966	.744	-.052	1.523

- a. The denominator used in estimating the effect sizes.
 Cohen's d uses the pooled standard deviation.
 Hedges' correction uses the pooled standard deviation, plus a correction factor.
 Glass's delta uses the sample standard deviation of the control group.

DAIR - Post Immersive- Frequencies

1a. Safety practices of a Composite Technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

1b. Materials used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	25.0	25.0	25.0
	4	2	50.0	50.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

1c. Processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	25.0	25.0	25.0
	4	2	50.0	50.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

1d. Specific terms used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

1e. Types of machinery used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	3	75.0	75.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

1f. Workspace organization requirements for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	75.0	75.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

1g. Mathematics functions required for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	25.0	25.0	25.0
	4	2	50.0	50.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

1h. How to use the technical data manuals and information needed for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	75.0	75.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

1i. How to assure quality in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	1	25.0	25.0	25.0
	5 - Excellent	3	75.0	75.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

1j. Understanding foreign object debris in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	1	25.0	25.0	25.0
	5 - Excellent	3	75.0	75.0	100.0
	Total	4	100.0	100.0	

1k. How to use measuring tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

1l. How to use hand tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	1	25.0	25.0	25.0
	5 - Excellent	3	75.0	75.0	100.0
	Total	4	100.0	100.0	

1m. How to use power tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

1n. How to use fixtures in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	25.0	25.0	25.0
	4	2	50.0	50.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

1o. How to perform key lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

1p. How to perform key post lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	2	50.0	50.0	50.0
	4	1	25.0	25.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

1q. How to perform key assembly processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	25.0	25.0	25.0
	4	2	50.0	50.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

2a. Safety practices of a Composite Technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

2b. Materials used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	25.0	25.0	25.0
	4	2	50.0	50.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

2c. Processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	75.0	75.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

2d. Specific terms used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	25.0	25.0	25.0
	4	1	25.0	25.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

2e. Types of machinery used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

2f. Workspace organization requirements for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

2g. Mathematics functions required for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

2h. How to use the technical data manuals and information needed for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

2i. How to assure quality in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5 - Excellent	4	100.0	100.0	100.0

2j. Understanding foreign object debris in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	1	25.0	25.0	25.0
	5 - Excellent	3	75.0	75.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

2k. How to use measuring tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

2l. How to use hand tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

2m. How to use power tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	75.0	75.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

2n. How to use fixtures in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	75.0	75.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

2o. How to perform key lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	50.0	50.0	50.0
	5 - Excellent	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

2p. How to perform key post lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	75.0	75.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

2q. How to perform key assembly processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	75.0	75.0	75.0
	5 - Excellent	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

3. Please tell us if any of these resulted from your participation in this training program. Please check all that apply.	It added to my current skills	Count	3
		Column N %	75%
	It made me more confident in my current job	Count	2
		Column N %	50%
	It helped me understand what other opportunities I might have in the aerospace sector	Count	3
		Column N %	75%
	It may help me get the job that I want in future	Count	2
		Column N %	50%
	It provided me with more knowledge in an area of interest of mine	Count	2
		Column N %	50%
	Something else? What?	Count	1
		Column N %	25%
	Total	Count	4
		Column N %	100%

DAIR - Post Immersive- Frequencies

4. Is this the first time you have taken an aerospace technical training course online?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	4	100.0	100.0	100.0

5a. Taught me new skills involved in the work of a composite technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	3	75.0	75.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

5b. Taught me skills that I will be able to use in my current job

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	2	50.0	50.0	50.0
	Some of the Time	1	25.0	25.0	75.0
	Hardly Ever	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

5c. Helped me gain knowledge that will be useful to me in the future

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	2	50.0	50.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

5d. Were easy to follow

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	2	50.0	50.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

5e. Used words and phrases that I could understand

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	2	50.0	50.0	50.0
	Some of the Time	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

5f. Were engaging and interesting

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	2	50.0	50.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

5g. Explained the topics well

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	3	75.0	75.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

5h. Had a good balance of reading/listening and hands-on activities

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	3	75.0	75.0	100.0
	Total	4	100.0	100.0	

5i. Provided enough opportunities to repeat and practice skills

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	3	75.0	75.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

6a. Provided opportunities for me to debrief and discuss topics from the online learning sessions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	50.0	50.0	50.0
	A Lot of the Time	1	25.0	25.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

6b. Talked in a way I could understand

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	50.0	50.0	50.0
	A Lot of the Time	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

6c. Was interesting to listen to

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	50.0	50.0	50.0
	A Lot of the Time	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

6d. Answered my questions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	50.0	50.0	50.0
	A Lot of the Time	1	25.0	25.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

6e. Helped me feel comfortable with the online learning environment

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	50.0	50.0	50.0
	A Lot of the Time	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

6f. Helped me with things I didn't understand

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	50.0	50.0	50.0
	A Lot of the Time	1	25.0	25.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

6g. Knew a lot about the knowledge and skills needed to be a composite technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	50.0	50.0	50.0
	A Lot of the Time	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

7a. Instructions for the Virtual Reality experiences were clear

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	2	50.0	50.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

7b. Closely resembled what I will be doing on the shop floor

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	2	50.0	50.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

7c. Were easy to follow

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	2	50.0	50.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

7d. Were like a 'real-world' experience

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	1	25.0	25.0	50.0
	Some of the Time	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

7e. Were helpful for me in gaining spatial understanding of the tasks

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	1	25.0	25.0	50.0
	Some of the Time	1	25.0	25.0	75.0
	Hardly Ever	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

7f. Were engaging and interesting

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	50.0	50.0	50.0
	A Lot of the Time	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

7g. Provided enough opportunities to repeat and practice skills

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	2	50.0	50.0	75.0
	Some of the Time	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

7h. Allowed me to learn from my mistakes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	1	25.0	25.0	25.0
	A Lot of the Time	2	50.0	50.0	75.0
	Hardly Ever	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

8. Was your participation in the COAST Composite Technician Training course the first time you ever used Virtual Reality?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	3	75.0	75.0	75.0
	No	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

9a. Use a computer (laptop or desktop) for work or other things (e.g. Personal email, social media)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Every Day	3	75.0	75.0	75.0
	A Few Times a Month	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

9b. Use a tablet for work or other things (e.g. Personal email, social media)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Every Day	1	25.0	25.0	25.0
	Never	3	75.0	75.0	100.0
	Total	4	100.0	100.0	

9c. Play video or online games

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Never	4	100.0	100.0	100.0

9d. Use a smartphone for gaming

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Never	4	100.0	100.0	100.0

DAIR - Post Immersive- Frequencies

9e. Use Virtual Reality for gaming or personal entertainment

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Never	4	100.0	100.0	100.0

10a. I received enough information about what to expect in the Virtual Reality experiences of this course

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	4	100.0	100.0	100.0

10b. How to use the Virtual Reality technology was clearly explained to me

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	2	50.0	50.0	50.0
	Disagree	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

10c. I had enough time to try working with the Virtual Reality technology before having to use in the course work

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	2	50.0	50.0	50.0
	Disagree	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

10d. I felt confident working with the Virtual Reality technology

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	3	75.0	75.0	75.0
	Disagree	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

**10e. Using the Virtual Reality technology made me feel sick
(something known as cybersickness)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	1	25.0	25.0	25.0
	Disagree	2	50.0	50.0	75.0
	Strongly Disagree	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

**10f. Using the Virtual Reality technology made me uncomfortable
because I felt 'locked' in an immersive environment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	1	25.0	25.0	25.0
	Disagree	2	50.0	50.0	75.0
	Strongly Disagree	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

10g. I learned a lot from the Virtual Reality experiences

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	3	75.0	75.0	75.0
	Disagree	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

**10h. I think the Virtual Reality experiences helped my
learning of the tasks**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	3	75.0	75.0	75.0
	Disagree	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

10i. I believe that I had a better learning experience because I had Virtual Reality than if I had not had access to these experiences

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly Agree	1	25.0	25.0	25.0
	Agree	2	50.0	50.0	75.0
	Disagree	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

10j. I would like to have more Virtual Reality experiences in future aerospace technical training

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly Agree	1	25.0	25.0	25.0
	Agree	2	50.0	50.0	75.0
	Disagree	1	25.0	25.0	100.0
	Total	4	100.0	100.0	

Overall, I would rate this course as:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Great	1	25.0	25.0	25.0
	Good	3	75.0	75.0	100.0
	Total	4	100.0	100.0	

I think this course should be offered to others in my workplace:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes for sure	2	50.0	50.0	50.0
	Possibly	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Immersive- Frequencies

I would recommend this course to others in my workplaces:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes for sure	2	50.0	50.0	50.0
	Possibly	2	50.0	50.0	100.0
	Total	4	100.0	100.0	

DAIR - Post Non-Immersive- Frequencies

1a. Safety practices of a Composite Technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

1b. Materials used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

1c. Processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	2	66.7	66.7	66.7
	4	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

1d. Specific terms used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	2	66.7	66.7	66.7
	4	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

1e. Types of machinery used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

DAIR - Post Non-Immersive- Frequencies

1f. Workspace organization requirements for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

1g. Mathematics functions required for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

1h. How to use the technical data manuals and information needed for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

1i. How to assure quality in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

1j. Understanding foreign object debris in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

1k. How to use measuring tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0

DAIR - Post Non-Immersive- Frequencies

1k. How to use measuring tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Total	3	3	100.0	100.0	

1l. How to use hand tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

1m. How to use power tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

1n. How to use fixtures in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	2	66.7	66.7	66.7
	4	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

1o. How to perform key lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

DAIR - Post Non-Immersive- Frequencies

1p. How to perform key post lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

1q. How to perform key assembly processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

2a. Safety practices of a Composite Technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

2b. Materials used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

2c. Processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

DAIR - Post Non-Immersive- Frequencies

2d. Specific terms used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	2	66.7	66.7	66.7
	4	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

2e. Types of machinery used in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

2f. Workspace organization requirements for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

2g. Mathematics functions required for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

2h. How to use the technical data manuals and information needed for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

DAIR - Post Non-Immersive- Frequencies

2i. How to assure quality in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

2j. Understanding foreign object debris in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	3	100.0	100.0	100.0

2k. How to use measuring tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

2l. How to use hand tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

2m. How to use power tools in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

DAIR - Post Non-Immersive- Frequencies

2n. How to use fixtures in composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

2o. How to perform key lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

2p. How to perform key post lamination processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

2q. How to perform key assembly processes for composite fabrication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	33.3	33.3	33.3
	4	2	66.7	66.7	100.0
	Total	3	100.0	100.0	

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3. Please tell us if any of these resulted from your participation in this training program. Please check all that apply.	It added to my current skill set	Count	3
		Column N %	100%
	It made me more confident in my current job	Count	2
		Column N %	67%
	It helped me understand what other opportunities I might have in the aerospace sector	Count	1
		Column N %	33%
	It may help me get the job that I want in future	Count	1
		Column N %	33%
	It provided me with more knowledge in an area of interest of mine	Count	1
		Column N %	33%
	Total	Count	3
		Column N %	100%

4. Is this the first time you have taken an aerospace technical training course online?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	3	100.0	100.0	100.0

5a. Taught me new skills involved in the work of a composite technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Some of the Time	3	100.0	100.0	100.0

5b. Taught me skills that I will be able to use in my current job

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	1	33.3	33.3	33.3
	Some of the Time	1	33.3	33.3	66.7
	Hardly Ever	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

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5c. Helped me gain knowledge that will be useful to me in the future

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	2	66.7	66.7	66.7
	Some of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

5d. Were easy to follow

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	3	100.0	100.0	100.0

5e. Used words and phrases that I could understand

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	2	66.7	66.7	66.7
	Some of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

5f. Were engaging and interesting

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	1	33.3	33.3	33.3
	Some of the Time	1	33.3	33.3	66.7
	Hardly Ever	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

5g. Explained the topics well

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	2	66.7	66.7	66.7
	Some of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

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5h. Had a good balance of reading/listening and hands-on activities

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	2	66.7	66.7	66.7
	Some of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

5i. Provided enough opportunities to repeat and practice skills

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A Lot of the Time	2	66.7	66.7	66.7
	Hardly Ever	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

6a. Provided opportunities for me to debrief and discuss topics from the online learning sessions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	66.7	66.7	66.7
	A Lot of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

6b. Talked in a way I could understand

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	66.7	66.7	66.7
	A Lot of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

6c. Was interesting to listen to

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	66.7	66.7	66.7
	A Lot of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

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6d. Answered my questions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	66.7	66.7	66.7
	A Lot of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

6e. Helped me feel comfortable with the online learning environment

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	66.7	66.7	66.7
	A Lot of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

6f. Helped me with things I didn't understand

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	2	66.7	66.7	66.7
	A Lot of the Time	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

6g. Knew a lot about the knowledge and skills needed to be a composite technician

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Always	3	100.0	100.0	100.0

7. Would you like to have had an opportunity to access Virtual Reality experiences as part of this course?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	2	66.7	66.7	66.7
	No	1	33.3	33.3	100.0
	Total	3	100.0	100.0	

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8. Why would you have wanted to access Virtual Reality experiences in online aerospace technical training? Please check all that apply.	It would have been interesting and engaging	Count	2
		Column N %	100%
	I would have been more able to visualize the processes	Count	2
		Column N %	100%
	It would have been a more real-world experience' more like what I do/will do on the shop floor	Count	1
		Column N %	50%
	It would have been more hands-on and interactive	Count	2
		Column N %	100%
	It would have provided more opportunities to make mistakes and practice	Count	2
		Column N %	100%
	I would have been better prepared for what I will be doing on the shop floor	Count	1
		Column N %	50%
	It would have been more fun	Count	2
		Column N %	100%
Total	Count	2	
	Column N %	100%	

11. Do you consent to be contacted to do a 30-minute telephone interview about your experience in the Composite Technician Training Program?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	2	66.7	100.0	100.0
Missing	-1	1	33.3		
Total		3	100.0		

Overall, I would rate this course as:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Good	3	100.0	100.0	100.0

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I think this course should be offered to others in my workplace:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Possibly	3	100.0	100.0	100.0

I would recommend this course to others in my workplaces:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes for sure	1	33.3	33.3	33.3
	Possibly	2	66.7	66.7	100.0
	Total	3	100.0	100.0	