

Embry-Riddle Aeronautical University

Survey Report

Alumni 1-Year After Graduation: Class of 2013
Worldwide: Program Skills and Learning Outcomes

Class of 2013
Worldwide Campus

Jennifer Heaton
Office of Institutional Research
jennifer.heaton@erau.edu

Contents

METHODOLOGY	3
UNDERGRADUATE DEGREE PROGRAMS	4
College of Aviation	4
AS Aeronautics	4
AS Aviation Maintenance	5
BS Aeronautics	6
BS Aviation Maintenance	8
College of Business	9
BS Aviation Business Administration	9
BS Technical Management	10
GRADUATE DEGREE PROGRAMS	12
College of Aviation	12
M Aeronautical Science	12
College of Business	13
M Business Administration in Aviation	13
MS Logistics and Supply Chain Management	15
MS Management	16
MS Project Management	18
UNDERGRADUATE CERTIFICATES	20
UG Certificate in Aviation Maintenance Technology (Part 65)	20

METHODOLOGY

The WW Alumni Survey: 1-Year After Graduation - was administered using an online survey design. The survey was conducted in the Spring of 2015. Questions were developed by the Office of Institutional Research in consultation with Career Services Office, College Deans, Department Chairs, and Program Coordinators at the Worldwide Campus. Core questions, common throughout all surveys, addressed educational goals, current employment status, overall ERAU satisfaction, and acquired general education and research skills. Each college and program was given the opportunity to incorporate additional questions specific to their graduates. Additionally, program-specific items meant to address student learning outcomes were incorporated. The following tables reflect the responses from the graduating class of 2013 for the Worldwide Campus (n = 1178; response rate 31%).

UNDERGRADUATE DEGREE PROGRAMS

College of Aviation

AS Aeronautics

Program-specific Skills: Usefulness to current job AS Aeronautics/ Professional Aeronautics - Worldwide

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge and understanding of the basic and thus advanced concepts of aeronautical science as they apply to the aviation/aerospace industry for solving problems	25	61.0%	10	24.4%	4	9.8%	2	4.9%	41	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

Program-specific Skills: ERAU's preparation AS Aeronautics/ Professional Aeronautics - Worldwide

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge and understanding of the basic and thus advanced concepts of aeronautical science as they apply to the aviation/aerospace industry for solving problems	22	51.2%	15	34.9%	3	7.0%	3	7.0%	43	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

AS Aviation Maintenance

**Program-specific Skills: Usefulness to current job
AS Aviation Maintenance - Worldwide**

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
General knowledge of maintenance operations and safety	6	75.0%	2	25.0%	0	0.0%	0	0.0%	8	100%
Electrical and electronic systems operations	4	50.0%	4	50.0%	0	0.0%	0	0.0%	8	100%
Skills in metallic and non-metallic structures and repair	4	50.0%	4	50.0%	0	0.0%	0	0.0%	8	100%
Understanding of a/c systems (hydraulics, environmental, etc.)	4	50.0%	4	50.0%	0	0.0%	0	0.0%	8	100%
Knowledge of reciprocating and turbine engines and their respective systems	3	37.5%	5	62.5%	0	0.0%	0	0.0%	8	100%
Knowledge and ability to work with technical publications and manuals	6	75.0%	2	25.0%	0	0.0%	0	0.0%	8	100%
Skills in troubleshooting	4	57.1%	3	42.9%	0	0.0%	0	0.0%	7	100%
Use of precision measuring instruments and basic and special tools	5	62.5%	3	37.5%	0	0.0%	0	0.0%	8	100%
Understanding and knowledge of FAA regulations	4	50.0%	3	37.5%	1	12.5%	0	0.0%	8	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
AS Aviation Maintenance - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
General knowledge of maintenance operations and safety	4	50.0%	3	37.5%	1	12.5%	0	0.0%	8	100%
Electrical and electronic systems operations	4	50.0%	3	37.5%	1	12.5%	0	0.0%	8	100%
Skills in metallic and non-metallic structures and repair	4	50.0%	3	37.5%	1	12.5%	0	0.0%	8	100%
Understanding of a/c systems (hydraulics, environmental, etc.)	4	57.1%	2	28.6%	1	14.3%	0	0.0%	7	100%
Knowledge of reciprocating and turbine engines and their respective systems	5	62.5%	1	12.5%	2	25.0%	0	0.0%	8	100%
Knowledge and ability to work with technical publications and manuals	5	62.5%	2	25.0%	1	12.5%	0	0.0%	8	100%
Skills in troubleshooting	5	62.5%	1	12.5%	1	12.5%	1	12.5%	8	100%
Use of precision measuring instruments and basic and special tools	4	50.0%	2	25.0%	2	25.0%	0	0.0%	8	100%
Understanding and knowledge of FAA regulations	4	50.0%	2	25.0%	2	25.0%	0	0.0%	8	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

BS Aeronautics

**Program-specific Skills: Usefulness to current job
BS Aeronautics - Worldwide**

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of aviation law and regulations	114	39.9%	110	38.5%	40	14.0%	22	7.7%	286	100%
Use of statistical/quantitative techniques to solve problems	88	31.3%	127	45.2%	49	17.4%	17	6.0%	281	100%
Comprehension of practices as applied in a variety of aviation services	95	33.8%	136	48.4%	30	10.7%	20	7.1%	281	100%
Knowledge of computer applications	137	48.1%	120	42.1%	21	7.4%	7	2.5%	285	100%
Application of management theory/concepts	137	48.4%	121	42.8%	15	5.3%	10	3.5%	283	100%
Knowledge of advanced management concepts	116	41.0%	125	44.2%	31	11.0%	11	3.9%	283	100%
Understanding of advanced management practices	116	41.0%	126	44.5%	30	10.6%	11	3.9%	283	100%
Understanding of advanced management issues	123	43.5%	112	39.6%	35	12.4%	13	4.6%	283	100%
Understanding of financial information	82	29.0%	124	43.8%	53	18.7%	24	8.5%	283	100%
Understanding of safety issues	154	54.4%	109	38.5%	12	4.2%	8	2.8%	283	100%
Perception of mishap investigation	108	38.0%	128	45.1%	29	10.2%	19	6.7%	284	100%
Understanding of safety program practices	141	49.8%	112	39.6%	16	5.7%	14	4.9%	283	100%
Knowledge of safety management	138	48.6%	111	39.1%	20	7.0%	15	5.3%	284	100%
Understanding of accident prevention procedures	130	46.1%	118	41.8%	17	6.0%	17	6.0%	282	100%
Understanding of aeronautical science	120	42.4%	113	39.9%	29	10.2%	21	7.4%	283	100%
Comprehension of aeronautical applications	125	44.3%	107	37.9%	28	9.9%	22	7.8%	282	100%
Understanding of aeronautical operations	138	48.6%	107	37.7%	17	6.0%	22	7.7%	284	100%
Understanding of aeronautical technology	137	48.4%	103	36.4%	23	8.1%	20	7.1%	283	100%
Ability to compare and discuss in written and spoken formats an understanding and application of basic concepts in aviation safety as they pertain to the aviation/aerospace industry	125	44.2%	115	40.6%	23	8.1%	20	7.1%	283	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
BS Aeronautics - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of aviation law and regulations	112	39.7%	122	43.3%	44	15.6%	4	1.4%	282	100%
Use of statistical/quantitative techniques to solve problems	85	30.4%	116	41.4%	67	23.9%	12	4.3%	280	100%
Comprehension of practices as applied in a variety of aviation services	96	34.5%	118	42.4%	56	20.1%	8	2.9%	278	100%
Knowledge of computer applications	85	30.4%	105	37.5%	76	27.1%	14	5.0%	280	100%
Application of management theory/concepts	101	36.6%	117	42.4%	53	19.2%	5	1.8%	276	100%
Knowledge of advanced management concepts	93	33.2%	108	38.6%	70	25.0%	9	3.2%	280	100%
Understanding of advanced management practices	91	32.7%	111	39.9%	65	23.4%	11	4.0%	278	100%
Understanding of advanced management issues	95	33.9%	104	37.1%	68	24.3%	13	4.6%	280	100%
Understanding of financial information	78	28.1%	103	37.1%	82	29.5%	15	5.4%	278	100%
Understanding of safety issues	129	45.7%	106	37.6%	42	14.9%	5	1.8%	282	100%
Perception of mishap investigation	117	41.5%	103	36.5%	54	19.1%	8	2.8%	282	100%
Understanding of safety program practices	122	43.4%	110	39.1%	42	14.9%	7	2.5%	281	100%
Knowledge of safety management	118	41.7%	114	40.3%	44	15.5%	7	2.5%	283	100%
Understanding of accident prevention procedures	118	42.3%	105	37.6%	50	17.9%	6	2.2%	279	100%
Understanding of aeronautical science	134	47.7%	108	38.4%	36	12.8%	3	1.1%	281	100%
Comprehension of aeronautical applications	118	42.1%	111	39.6%	47	16.8%	4	1.4%	280	100%
Understanding of aeronautical operations	120	42.6%	113	40.1%	46	16.3%	3	1.1%	282	100%
Understanding of aeronautical technology	116	41.4%	108	38.6%	51	18.2%	5	1.8%	280	100%
Ability to compare and discuss in written and spoken formats an understanding and application of basic concepts in aviation safety as they pertain to the aviation/aerospace industry	114	40.7%	115	41.1%	47	16.8%	4	1.4%	280	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

BS Aviation Maintenance

**Program-specific Skills: Usefulness to current job
BS Aviation Maintenance - Worldwide**

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
General knowledge of maintenance operations and safety	8	88.9%	1	11.1%	0	0.0%	0	0.0%	9	100%
Electrical and electronic systems operations	6	66.7%	3	33.3%	0	0.0%	0	0.0%	9	100%
Skills in metallic and non-metallic structures and repair	5	55.6%	3	33.3%	1	11.1%	0	0.0%	9	100%
Understanding of a/c systems (hydraulics, environmental, etc.)	6	66.7%	2	22.2%	1	11.1%	0	0.0%	9	100%
Knowledge of reciprocating and turbine engines and their respective systems	6	66.7%	2	22.2%	1	11.1%	0	0.0%	9	100%
Knowledge and ability to work with technical publications and manuals	8	88.9%	1	11.1%	0	0.0%	0	0.0%	9	100%
Skills in troubleshooting	6	66.7%	2	22.2%	0	0.0%	1	11.1%	9	100%
Use of precision measuring instruments and basic and special tools	6	66.7%	1	11.1%	1	11.1%	1	11.1%	9	100%
Understanding and knowledge of FAA regulations	7	77.8%	1	11.1%	1	11.1%	0	0.0%	9	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
BS Aviation Maintenance - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
General knowledge of maintenance operations and safety	7	77.8%	2	22.2%	0	0.0%	0	0.0%	9	100%
Electrical and electronic systems operations	5	55.6%	3	33.3%	1	11.1%	0	0.0%	9	100%
Skills in metallic and non-metallic structures and repair	5	55.6%	3	33.3%	0	0.0%	1	11.1%	9	100%
Understanding of a/c systems (hydraulics, environmental, etc.)	5	55.6%	3	33.3%	0	0.0%	1	11.1%	9	100%
Knowledge of reciprocating and turbine engines and their respective systems	6	66.7%	2	22.2%	0	0.0%	1	11.1%	9	100%
Knowledge and ability to work with technical publications and manuals	6	66.7%	2	22.2%	1	11.1%	0	0.0%	9	100%
Skills in troubleshooting	5	55.6%	3	33.3%	0	0.0%	1	11.1%	9	100%
Use of precision measuring instruments and basic and special tools	5	55.6%	3	33.3%	0	0.0%	1	11.1%	9	100%
Understanding and knowledge of FAA regulations	6	66.7%	3	33.3%	0	0.0%	0	0.0%	9	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

College of Business

BS Aviation Business Administration

**Program-specific Skills: Usefulness to current job
BS Aviation Business Administration - Worldwide**

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Employ supervisory and management skills needed to effectively lead and support others within a team environment across business functions	4	57.1%	2	28.6%	0	0.0%	1	14.3%	7	100%
Apply research to solve business problems and communicate the results effectively	5	71.4%	0	0.0%	1	14.3%	1	14.3%	7	100%
Analyze and evaluate business functions and processes, identify needs, and structure business approaches using problem-solving, critical thinking, and established methodologies and standards	5	71.4%	0	0.0%	1	14.3%	1	14.3%	7	100%
Know key principles of business and management disciplines and their business applications; and the possible interrelationships to aviation management practices	5	71.4%	1	14.3%	0	0.0%	1	14.3%	7	100%
Integrate marketing concepts/practices into executing global market strategies	2	28.6%	3	42.9%	1	14.3%	1	14.3%	7	100%
Formulate business decisions by incorporating ethical standards and principles	3	42.9%	1	14.3%	2	28.6%	1	14.3%	7	100%
Access, analyze, and communicate information using multiple means/media	3	42.9%	3	42.9%	0	0.0%	1	14.3%	7	100%
Understands the nature of business ethics and the role of social responsibility	4	57.1%	1	14.3%	1	14.3%	1	14.3%	7	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
BS Aviation Business Administration - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Employ supervisory and management skills needed to effectively lead and support others within a team environment across business functions	3	42.9%	2	28.6%	1	14.3%	1	14.3%	7	100%
Apply research to solve business problems and communicate the results effectively	3	42.9%	3	42.9%	0	0.0%	1	14.3%	7	100%
Analyze and evaluate business functions and processes, identify needs, and structure business approaches using problem-solving, critical thinking, and established methodologies and standards	3	42.9%	3	42.9%	0	0.0%	1	14.3%	7	100%
Know key principles of business and management disciplines and their business applications; and the possible interrelationships to aviation management practices	3	42.9%	3	42.9%	0	0.0%	1	14.3%	7	100%
Integrate marketing concepts/practices into executing global market strategies	3	42.9%	1	14.3%	2	28.6%	1	14.3%	7	100%
Formulate business decisions by incorporating ethical standards and principles	3	42.9%	1	14.3%	2	28.6%	1	14.3%	7	100%
Access, analyze, and communicate information using multiple means/media	3	42.9%	2	28.6%	1	14.3%	1	14.3%	7	100%
Understands the nature of business ethics and the role of social responsibility	3	42.9%	1	14.3%	2	28.6%	1	14.3%	7	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

BS Technical Management

Which major(s) did you complete in Technical Management?

	# of Respondents	# of Responses	%
Technical Management	108	108	90.8%
Project Management	0	0	0.0%
Logistics	8	8	6.7%
Management of Information Systems	4	4	3.4%
Information Security	3	3	2.5%
Occupational Safety and Health	4	4	3.4%
Engineering Sciences	1	1	.8%
Facilities and Construction Management	0	0	0.0%
Total	119	128	107.6%

*Note: Respondents were allowed to choose more than one option. Percentage totals may exceed 100%.
Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).*

**Program-specific Skills: Usefulness to current job
BS Technical Management - Worldwide**

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Employ supervisory and management skills needed to effectively lead and support others within a team environment across business functions	69	58.0%	42	35.3%	5	4.2%	3	2.5%	119	100%
Apply research to solve business problems and communicate the results effectively	54	46.2%	50	42.7%	9	7.7%	4	3.4%	117	100%
Analyze and evaluate business functions and processes, identify needs, and structure business approaches using problem-solving, critical thinking, and established methodologies and standards	57	47.9%	45	37.8%	12	10.1%	5	4.2%	119	100%
Know key principles of business and management disciplines and their business applications; and the possible interrelationships to technical management practices especially in the field of aviation and aerospace	48	40.3%	54	45.4%	11	9.2%	6	5.0%	119	100%
Demonstrate a proficiency in identifying and solving problems related to the specialty areas of Information Systems, Information Security, Project Management, Logistics and Supply Chain Management, Engineering Science, or Occupational Safety and Health knowledge	52	43.7%	51	42.9%	12	10.1%	4	3.4%	119	100%
Apply strategic and project planning principles and techniques in a technical operation	57	48.3%	43	36.4%	12	10.2%	6	5.1%	118	100%
Use general managerial skills (leadership, problem solving, and decision-making)	72	61.0%	38	32.2%	5	4.2%	3	2.5%	118	100%
Use managerial skills in computers	61	51.3%	47	39.5%	9	7.6%	2	1.7%	119	100%
Use managerial skills in technical writing	61	51.7%	40	33.9%	14	11.9%	3	2.5%	118	100%
Use managerial skills in quantitative/mathematics	35	29.9%	48	41.0%	22	18.8%	12	10.3%	117	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
BS Technical Management - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Employ supervisory and management skills needed to effectively lead and support others within a team environment across business functions	42	35.3%	58	48.7%	18	15.1%	1	.8%	119	100%
Apply research to solve business problems and communicate the results effectively	41	34.5%	59	49.6%	17	14.3%	2	1.7%	119	100%
Analyze and evaluate business functions and processes, identify needs, and structure business approaches using problem-solving, critical thinking, and established methodologies and standards	48	40.3%	56	47.1%	14	11.8%	1	.8%	119	100%
Know key principles of business and management disciplines and their business applications; and the possible interrelationships to technical management practices especially in the field of aviation and aerospace	43	36.4%	59	50.0%	15	12.7%	1	.8%	118	100%
Demonstrate a proficiency in identifying and solving problems related to the specialty areas of Information Systems, Information Security, Project Management, Logistics and Supply Chain Management, Engineering Science, or Occupational Safety and Health knowledge	46	38.7%	51	42.9%	21	17.6%	1	.8%	119	100%
Apply strategic and project planning principles and techniques in a technical operation	45	38.5%	57	48.7%	14	12.0%	1	.9%	117	100%
Use general managerial skills (leadership, problem solving, and decision-making)	54	45.8%	49	41.5%	14	11.9%	1	.8%	118	100%
Use managerial skills in computers	42	35.3%	54	45.4%	22	18.5%	1	.8%	119	100%
Use managerial skills in technical writing	44	37.0%	52	43.7%	21	17.6%	2	1.7%	119	100%
Use managerial skills in quantitative/mathematics	30	25.4%	55	46.6%	29	24.6%	4	3.4%	118	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

GRADUATE DEGREE PROGRAMS

College of Aviation

M Aeronautical Science

Program-specific Skills: Usefulness to current job M Aeronautical Science - Worldwide

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Air transportation as part of the global, multi-modal system	78	31.5%	100	40.3%	42	16.9%	28	11.3%	248	100%
Basic elements of Space Transportation System	40	16.3%	63	25.6%	90	36.6%	53	21.5%	246	100%
State-of-the-art materials and practices used in manufacture and maintenance of A/A vehicles	52	21.3%	83	34.0%	73	29.9%	36	14.8%	244	100%
Human factors problems and analysis	130	52.6%	90	36.4%	16	6.5%	11	4.5%	247	100%
Major steps in developing a research study	66	26.8%	103	41.9%	57	23.2%	20	8.1%	246	100%
Analysis of five major research methodologies	54	21.8%	88	35.5%	75	30.2%	31	12.5%	248	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

Program-specific Skills: ERAU's preparation M Aeronautical Science - Worldwide

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Air transportation as part of the global, multi-modal system	97	39.6%	103	42.0%	39	15.9%	6	2.4%	245	100%
Basic elements of Space Transportation System	57	23.4%	87	35.7%	69	28.3%	31	12.7%	244	100%
State-of-the-art materials and practices used in manufacture and maintenance of A/A vehicles	54	22.1%	76	31.1%	87	35.7%	27	11.1%	244	100%
Human factors problems and analysis	103	42.2%	101	41.4%	36	14.8%	4	1.6%	244	100%
Major steps in developing a research study	93	37.7%	94	38.1%	52	21.1%	8	3.2%	247	100%
Analysis of five major research methodologies	77	31.2%	95	38.5%	53	21.5%	22	8.9%	247	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

College of Business

M Business Administration in Aviation

**Program-specific Skills: Usefulness to current job
M Business Administration in Aviation - Worldwide**

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Understand and apply sound and appropriate business practices, policy, procedures, regulations, ethics, concepts and skills	24	40.7%	25	42.4%	6	10.2%	4	6.8%	59	100%
Apply the concepts and strategies involved in creating a marketing plan from an original idea to the execution strategy specific to a product/service	15	25.4%	26	44.1%	11	18.6%	7	11.9%	59	100%
Analyze financial statements and utilize corporate finance concepts and techniques in decision making within organizations	13	22.4%	25	43.1%	12	20.7%	8	13.8%	58	100%
Access, analyze, and communicate information using various business tools	16	27.1%	28	47.5%	11	18.6%	4	6.8%	59	100%
Apply statistical and quantitative analysis to solve business problems	11	19.0%	28	48.3%	13	22.4%	6	10.3%	58	100%
Integrate knowledge of macro- and micro-economic concepts to support operations in various industries	9	15.8%	25	43.9%	13	22.8%	10	17.5%	57	100%
Formulate and execute strategies and policies required to achieve organizational goals in the competitive environment (such as airlines, airports, aerospace, manufacturing, customer service, and government)	16	27.1%	31	52.5%	10	16.9%	2	3.4%	59	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
M Business Administration in Aviation - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Understand and apply sound and appropriate business practices, policy, procedures, regulations, ethics, concepts and skills	17	30.4%	31	55.4%	8	14.3%	0	0.0%	56	100%
Apply the concepts and strategies involved in creating a marketing plan from an original idea to the execution strategy specific to a product/service	15	26.3%	26	45.6%	15	26.3%	1	1.8%	57	100%
Analyze financial statements and utilize corporate finance concepts and techniques in decision making within organizations	14	24.6%	29	50.9%	14	24.6%	0	0.0%	57	100%
Access, analyze, and communicate information using various business tools	13	23.2%	30	53.6%	13	23.2%	0	0.0%	56	100%
Apply statistical and quantitative analysis to solve business problems	17	29.8%	25	43.9%	14	24.6%	1	1.8%	57	100%
Integrate knowledge of macro- and micro-economic concepts to support operations in various industries	14	24.1%	26	44.8%	18	31.0%	0	0.0%	58	100%
Formulate and execute strategies and policies required to achieve organizational goals in the competitive environment (such as airlines, airports, aerospace, manufacturing, customer service, and government)	15	26.3%	31	54.4%	11	19.3%	0	0.0%	57	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

MS Logistics and Supply Chain Management

**Program-specific Skills: Usefulness to current job
MS Logistics and Supply Chain Management - Worldwide**

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Author research papers in the appropriate scientific style	5	38.5%	4	30.8%	4	30.8%	0	0.0%	13	100%
Evaluate different modeling approaches to solve problems for effective decision making	7	53.8%	6	46.2%	0	0.0%	0	0.0%	13	100%
Design solutions for domestic and global transportation problems	7	53.8%	6	46.2%	0	0.0%	0	0.0%	13	100%
Choose appropriate inventory management methods to optimize inventory across the supply chain	8	61.5%	5	38.5%	0	0.0%	0	0.0%	13	100%
Recommend information technology solutions for different business needs	7	53.8%	5	38.5%	0	0.0%	1	7.7%	13	100%
Analyze an organization's warehousing and distribution needs, recommend solutions for effective and efficient distribution operations	8	61.5%	5	38.5%	0	0.0%	0	0.0%	13	100%
Select purchasing policies, procedures in different business settings	8	61.5%	5	38.5%	0	0.0%	0	0.0%	13	100%
Utilize appropriate metrics to track the performance of the supply chain	8	61.5%	5	38.5%	0	0.0%	0	0.0%	13	100%
Effectively communicate information (in oral and written forms)	9	69.2%	4	30.8%	0	0.0%	0	0.0%	13	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
MS Logistics and Supply Chain Management - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Author research papers in the appropriate scientific style	5	38.5%	5	38.5%	2	15.4%	1	7.7%	13	100%
Evaluate different modeling approaches to solve problems for effective decision making	5	38.5%	6	46.2%	2	15.4%	0	0.0%	13	100%
Design solutions for domestic and global transportation problems	5	38.5%	8	61.5%	0	0.0%	0	0.0%	13	100%
Choose appropriate inventory management methods to optimize inventory across the supply chain	6	46.2%	6	46.2%	1	7.7%	0	0.0%	13	100%
Recommend information technology solutions for different business needs	5	38.5%	8	61.5%	0	0.0%	0	0.0%	13	100%
Analyze an organization's warehousing and distribution needs, recommend solutions for effective and efficient distribution operations	5	38.5%	7	53.8%	1	7.7%	0	0.0%	13	100%
Select purchasing policies, procedures in different business settings	4	30.8%	8	61.5%	1	7.7%	0	0.0%	13	100%
Utilize appropriate metrics to track the performance of the supply chain	4	30.8%	8	61.5%	0	0.0%	1	7.7%	13	100%
Effectively communicate information (in oral and written forms)	5	38.5%	7	53.8%	0	0.0%	1	7.7%	13	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

MS Management

**Program-specific Skills: Usefulness to current job
MS Management - Worldwide**

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Utilize management concepts and skills in solving problems and making improvements within organizations and/or real world situations	21	55.3%	15	39.5%	1	2.6%	1	2.6%	38	100%
Apply ethical and regulatory basis of management in strategic and tactical aspects of planning, executing, monitoring and controlling with organizations and/or real world situations	20	52.6%	16	42.1%	1	2.6%	1	2.6%	38	100%
Apply and interpret the fundamentals of quantitative and financial analysis to management problems and/or projects	18	47.4%	15	39.5%	4	10.5%	1	2.6%	38	100%
Use communication skills to develop defensible positions using data and information from diverse sources and apply problem solving strategies to reach scientifically defensible solutions	20	52.6%	14	36.8%	3	7.9%	1	2.6%	38	100%
Present reports, analysis, and recommendations in written and oral forms in a professional manner that is persuasive and understood by audience/readers of diverse ages, cultural, experience, and educational backgrounds	20	54.1%	16	43.2%	0	0.0%	1	2.7%	37	100%
Use scientific research skills to collect data and use those data to thoroughly understand complex and multi-dimensional situations. Be able to organize themes, explain concepts and theories, provide technical definitions and establish overall credibility	14	36.8%	21	55.3%	2	5.3%	1	2.6%	38	100%
Be able to design and conduct appropriate research projects to solve problems in manufacturing, production, distribution and sales of products	11	28.9%	15	39.5%	8	21.1%	4	10.5%	38	100%
Use computer, video conferencing, and presentation technology to locate, collect, store, manage, and disseminate information and design and deliver technical, professional, and personnel presentations	16	42.1%	19	50.0%	2	5.3%	1	2.6%	38	100%
Use critical thinking to explore all aspects of complex and multidimensional situations and evaluate the impact and consequences of decisions on different audiences and to develop defensible positions using data and information from diverse sources	18	47.4%	16	42.1%	3	7.9%	1	2.6%	38	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
MS Management - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Utilize management concepts and skills in solving problems and making improvements within organizations and/or real world situations	13	34.2%	15	39.5%	9	23.7%	1	2.6%	38	100%
Apply ethical and regulatory basis of management in strategic and tactical aspects of planning, executing, monitoring and controlling with organizations and/or real world situations	12	32.4%	14	37.8%	10	27.0%	1	2.7%	37	100%
Apply and interpret the fundamentals of quantitative and financial analysis to management problems and/or projects	14	37.8%	14	37.8%	8	21.6%	1	2.7%	37	100%
Use communication skills to develop defensible positions using data and information from diverse sources and apply problem solving strategies to reach scientifically defensible solutions	15	39.5%	13	34.2%	8	21.1%	2	5.3%	38	100%
Present reports, analysis, and recommendations in written and oral forms in a professional manner that is persuasive and understood by audience/readers of diverse ages, cultural, experience, and educational backgrounds	13	34.2%	16	42.1%	8	21.1%	1	2.6%	38	100%
Use scientific research skills to collect data and use those data to thoroughly understand complex and multi-dimensional situations. Be able to organize themes, explain concepts and theories, provide technical definitions and establish overall credibility	13	34.2%	15	39.5%	9	23.7%	1	2.6%	38	100%
Be able to design and conduct appropriate research projects to solve problems in manufacturing, production, distribution and sales of products	11	28.9%	15	39.5%	11	28.9%	1	2.6%	38	100%
Use computer, video conferencing, and presentation technology to locate, collect, store, manage, and disseminate information and design and deliver technical, professional, and personnel presentations	14	36.8%	11	28.9%	11	28.9%	2	5.3%	38	100%
Use critical thinking to explore all aspects of complex and multidimensional situations and evaluate the impact and consequences of decisions on different audiences and to develop defensible positions using data and information from diverse sources	12	31.6%	17	44.7%	9	23.7%	0	0.0%	38	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

MS Project Management

**Program-specific Skills: Usefulness to current job
MS Project Management - Worldwide**

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Understand the context of project management	20	60.6%	11	33.3%	1	3.0%	1	3.0%	33	100%
Use accepted practices to plan projects	20	60.6%	10	30.3%	2	6.1%	1	3.0%	33	100%
Use accepted practices to execute projects	20	60.6%	9	27.3%	3	9.1%	1	3.0%	33	100%
Use accepted practices to control projects	18	56.3%	10	31.3%	3	9.4%	1	3.1%	32	100%
Use accepted practices to properly close projects	18	54.5%	10	30.3%	4	12.1%	1	3.0%	33	100%
Understand and practice project management ethics	19	57.6%	10	30.3%	4	12.1%	0	0.0%	33	100%
Understand and use project team building skills	19	57.6%	11	33.3%	2	6.1%	1	3.0%	33	100%
Apply and interpret fundamentals of quantitative and financial analysis	14	42.4%	15	45.5%	3	9.1%	1	3.0%	33	100%
Demonstrate knowledge and understanding of the complex organizational nature of projects including multi-national and multi-cultural structures	16	50.0%	13	40.6%	3	9.4%	0	0.0%	32	100%
Utilize accepted practices in the establishment and control of quality	17	53.1%	11	34.4%	3	9.4%	1	3.1%	32	100%
Use critical thinking skills to connect all aspects of project management with strategic planning and goal setting	18	54.5%	13	39.4%	1	3.0%	1	3.0%	33	100%
Utilize current project management software to develop and execute planning, control and closure of technical projects (actual or simulated) in the students' areas of technical expertise and assess its value in managing projects	12	36.4%	18	54.5%	3	9.1%	0	0.0%	33	100%
Evaluate the importance of leadership skills in managing projects and differentiate leadership from management, (evaluation) and identify different leadership styles appropriate to differing project management situations	20	62.50%	9	28.1%	2	6.3%	1	3.1%	32	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
MS Project Management - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Understand the context of project management	20	58.8%	11	32.4%	3	8.8%	0	0.0%	34	100%
Use accepted practices to plan projects	19	55.9%	11	32.4%	4	11.8%	0	0.0%	34	100%
Use accepted practices to execute projects	19	55.9%	12	35.3%	3	8.8%	0	0.0%	34	100%
Use accepted practices to control projects	20	58.8%	11	32.4%	3	8.8%	0	0.0%	34	100%
Use accepted practices to properly close projects	19	55.9%	11	32.4%	4	11.8%	0	0.0%	34	100%
Understand and practice project management ethics	18	52.9%	10	29.4%	6	17.6%	0	0.0%	34	100%
Understand and use project team building skills	20	58.8%	9	26.5%	5	14.7%	0	0.0%	34	100%
Apply and interpret fundamentals of quantitative and financial analysis	17	50.0%	12	35.3%	5	14.7%	0	0.0%	34	100%
Demonstrate knowledge and understanding of the complex organizational nature of projects including multi-national and multi-cultural structures	19	55.9%	10	29.4%	5	14.7%	0	0.0%	34	100%
Utilize accepted practices in the establishment and control of quality	17	50.0%	13	38.2%	4	11.8%	0	0.0%	34	100%
Use critical thinking skills to connect all aspects of project management with strategic planning and goal setting	19	55.9%	12	35.3%	3	8.8%	0	0.0%	34	100%
Utilize current project management software to develop and execute planning, control and closure of technical projects (actual or simulated) in the students' areas of technical expertise and assess its value in managing projects	18	54.5%	11	33.3%	2	6.1%	2	6.1%	33	100%
Evaluate the importance of leadership skills in managing projects and differentiate leadership from management, (evaluation) and identify different leadership styles appropriate to differing project management situations	18	54.5%	11	33.3%	4	12.1%	0	0.0%	33	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

UNDERGRADUATE CERTIFICATES

UG Certificate in Aviation Maintenance Technology (Part 65)

Program-specific Skills: Usefulness to current job
UG Certificate in Aviation Maintenance Technology (Part 65) - Worldwide

	Very Useful		Useful		Not Very Useful		Not at all Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Understand and apply the fundamentals of Airframe Maintenance, including structural design, construction, inspection, repair, and maintenance	23	63.9%	9	25.0%	3	8.3%	1	2.8%	36	100%
Basic knowledge and understanding of common airframe systems and apply system knowledge in basic troubleshooting techniques	22	61.1%	11	30.6%	2	5.6%	1	2.8%	36	100%
Understand and apply the fundamentals of General Aviation Maintenance, including mathematics, physics, electricity, weight and balance, maintenance record keeping, commonly accepted maintenance practices, and the privileges and limitations of the Airframe	22	61.1%	9	25.0%	4	11.1%	1	2.8%	36	100%
Understand and apply the fundamentals of Powerplant Maintenance, including reciprocating, turbine, and propeller design and construction, performance, operation, inspection, repair and maintenance to solve problems	22	61.1%	10	27.8%	3	8.3%	1	2.8%	36	100%
Basic knowledge and understanding of common powerplant systems and apply system knowledge in basic troubleshooting techniques	23	63.9%	9	25.0%	3	8.3%	1	2.8%	36	100%
Adequate preparation to take the FAA A&P written, oral, and practical examination	20	55.6%	9	25.0%	4	11.1%	3	8.3%	36	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).

**Program-specific Skills: ERAU's preparation
UG Certificate in Aviation Maintenance Technology (Part 65) - Worldwide**

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Understand and apply the fundamentals of Airframe Maintenance, including structural design, construction, inspection, repair, and maintenance	12	33.3%	19	52.8%	4	11.1%	1	2.8%	36	100%
Basic knowledge and understanding of common airframe systems and apply system knowledge in basic troubleshooting techniques	14	38.9%	17	47.2%	4	11.1%	1	2.8%	36	100%
Understand and apply the fundamentals of General Aviation Maintenance, including mathematics, physics, electricity, weight and balance, maintenance record keeping, commonly accepted maintenance practices, and the privileges and limitations of the Airframe	15	42.9%	13	37.1%	6	17.1%	1	2.9%	35	100%
Understand and apply the fundamentals of Powerplant Maintenance, including reciprocating, turbine, and propeller design and construction, performance, operation, inspection, repair and maintenance to solve problems	15	41.7%	15	41.7%	5	13.9%	1	2.8%	36	100%
Basic knowledge and understanding of common powerplant systems and apply system knowledge in basic troubleshooting techniques	15	41.7%	15	41.7%	5	13.9%	1	2.8%	36	100%
Adequate preparation to take the FAA A&P written, oral, and practical examination	15	41.7%	12	33.3%	7	19.4%	2	5.6%	36	100%

Source: WW Alumni 1-Year After Graduation: Class of 2013. Institutional Research (2016).