

Embry-Riddle Aeronautical University

Program Skills

Worldwide Alumni Survey: One Year after Graduation
Class of 2017

Class of 2017
Worldwide Campus

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

	M	n	Very Useful		Useful		Not Very Useful		Not at all Useful	
			#	%	#	%	#	%	#	%
Core leadership knowledge, competencies, skills, and behaviors	3.6	13	8	61.5%	5	38.5%	0	0.0%	0	0.0%
Self-awareness as a leader and a scalable framework to evaluate, assess, and renew leadership competencies	3.5	13	7	53.8%	6	46.2%	0	0.0%	0	0.0%
The capacities to coach, mentor, and engage the leadership capacities of others to create high-performance teams	3.2	13	6	46.2%	4	30.8%	3	23.1%	0	0.0%
Tools, techniques, and theories to diagnose organizational issues, plan effective organizational interventions and evaluate the effectiveness of organizational transformation efforts	3.3	13	5	38.5%	7	53.8%	1	7.7%	0	0.0%
Portable ability to apply leadership concepts and practices at different organizational levels and within diverse functional or organizational environments	3.5	13	7	53.8%	5	38.5%	1	7.7%	0	0.0%
Critical understanding of how to evaluate personal experiences, prior knowledge and coursework, and organizational events within a business and leadership context	3.6	13	8	61.5%	5	38.5%	0	0.0%	0	0.0%

SOURCE: 2019 Worldwide Alumni Survey: One Year after Graduation. Class of 2017. (4-Very Useful, 3-Useful, 2-Not Very Useful, 1-Not at all Useful). Institutional Research (2019).

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

	M	n	Very High Preparation		High Preparation		Little Preparation		Very Little Preparation	
			#	%	#	%	#	%	#	%
Core leadership knowledge, competencies, skills, and behaviors	3.4	14	6	42.9%	7	50.0%	1	7.1%	0	0.0%
Self-awareness as a leader and a scalable framework to evaluate, assess, and renew leadership competencies	3.2	14	3	21.4%	11	78.6%	0	0.0%	0	0.0%
The capacities to coach, mentor, and engage the leadership capacities of others to create high-performance teams	3.3	14	6	42.9%	6	42.9%	2	14.3%	0	0.0%
Tools, techniques, and theories to diagnose organizational issues, plan effective organizational interventions and evaluate the effectiveness of organizational transformation efforts	3.1	14	3	21.4%	10	71.4%	1	7.1%	0	0.0%
Portable ability to apply leadership concepts and practices at different organizational levels and within diverse functional or organizational environments	3.3	14	4	28.6%	10	71.4%	0	0.0%	0	0.0%
Critical understanding of how to evaluate personal experiences, prior knowledge and coursework, and organizational events within a business and leadership context	3.4	14	6	42.9%	7	50.0%	1	7.1%	0	0.0%

SOURCE: 2019 Worldwide Alumni Survey: One Year after Graduation. Class of 2017. (4-Very High Preparation, 3-High Preparation, 2-Little Preparation, 1-Very Little Preparation). Institutional Research (2019).

MS Logistics and Supply Chain Management

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

	M	n	Very Useful		Useful		Not Very Useful		Not at all Useful	
			#	%	#	%	#	%	#	%
Author research papers in the appropriate scientific style	2.6	26	5	19.2%	10	38.5%	6	23.1%	5	19.2%
Evaluate different modeling approaches to solve problems for effective decision making	3.5	26	12	46.2%	14	53.8%	0	0.0%	0	0.0%
Design solutions for domestic and global transportation problems	3.0	26	12	46.2%	7	26.9%	3	11.5%	4	15.4%
Choose appropriate inventory management methods to optimize inventory across the supply chain	3.3	26	15	57.7%	6	23.1%	3	11.5%	2	7.7%
Recommend information technology solutions for different business needs	3.0	26	8	30.8%	12	46.2%	5	19.2%	1	3.8%
Analyze an organization's warehousing and distribution needs, recommend solutions for effective and efficient distribution operations	3.2	26	11	42.3%	10	38.5%	3	11.5%	2	7.7%
Select purchasing policies, procedures in different business settings	3.1	26	10	38.5%	10	38.5%	5	19.2%	1	3.8%
Utilize appropriate metrics to track the performance of the supply chain	3.4	26	15	57.7%	9	34.6%	0	0.0%	2	7.7%
Effectively communicate information (in oral and written forms)	3.7	26	19	73.1%	7	26.9%	0	0.0%	0	0.0%

SOURCE: 2019 Worldwide Alumni Survey: One Year after Graduation. Class of 2017. (4-Very Useful, 3-Useful, 2-Not Very Useful, 1-Not at all Useful). Institutional Research (2019).

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

	M	n	Very High Preparation		High Preparation		Little Preparation		Very Little Preparation	
			#	%	#	%	#	%	#	%
Author research papers in the appropriate scientific style	3.2	24	6	25.0%	16	66.7%	2	8.3%	0	0.0%
Evaluate different modeling approaches to solve problems for effective decision making	3.0	25	6	24.0%	14	56.0%	5	20.0%	0	0.0%
Design solutions for domestic and global transportation problems	3.1	25	8	32.0%	13	52.0%	3	12.0%	1	4.0%
Choose appropriate inventory management methods to optimize inventory across the supply chain	3.0	24	6	25.0%	14	58.3%	3	12.5%	1	4.2%
Recommend information technology solutions for different business needs	2.9	24	6	25.0%	10	41.7%	7	29.2%	1	4.2%
Analyze an organization's warehousing and distribution needs, recommend solutions for effective and efficient distribution operations	3.0	24	7	29.2%	10	41.7%	7	29.2%	0	0.0%
Select purchasing policies, procedures in different business settings	3.1	24	8	33.3%	13	54.2%	1	4.2%	2	8.3%
Utilize appropriate metrics to track the performance of the supply chain	3.0	24	8	33.3%	10	41.7%	5	20.8%	1	4.2%
Effectively communicate information (in oral and written forms)	3.5	24	13	54.2%	9	37.5%	2	8.3%	0	0.0%

SOURCE: 2019 Worldwide Alumni Survey: One Year after Graduation. Class of 2017. (4-Very High Preparation, 3-High Preparation, 2-Little Preparation, 1-Very Little Preparation). Institutional Research (2019).

MS Management

**What was your area of specialization?
MS Management - Worldwide**

	#	%
HR Management	9	19.1%
Global Management	3	6.4%
Operations Management	11	23.4%
Project Management	9	19.1%
Leadership	15	31.9%
Total	47	100.0%

SOURCE: 2019 Worldwide Alumni Survey: One Year after Graduation. Class of 2017. Institutional Research (2019).

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

	M	n	Very Useful		Useful		Not Very Useful		Not at all Useful	
			#	%	#	%	#	%	#	%
Utilize management concepts and skills in solving problems and making improvements within organizations and/or real world situations	3.6	29	17	58.6%	11	37.9%	1	3.4%	0	0.0%
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	3.4	28	15	53.6%	10	35.7%	3	10.7%	0	0.0%
Apply and interpret the fundamentals of quantitative and financial analysis to management problems and/or projects	3.1	28	9	32.1%	14	50.0%	5	17.9%	0	0.0%
Use communication skills to develop defensible positions using data and information from diverse sources and apply problem solving strategies to reach scientifically defensible solutions	3.5	28	17	60.7%	8	28.6%	3	10.7%	0	0.0%
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	3.4	28	14	50.0%	12	42.9%	2	7.1%	0	0.0%
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	3.3	26	12	46.2%	10	38.5%	4	15.4%	0	0.0%
Be able to design and conduct appropriate research projects to solve problems in manufacturing, production, distribution and sales of products	3.0	26	9	34.6%	11	42.3%	4	15.4%	2	7.7%
Use computer, video conferencing, and presentation technology to locate, collect, store, manage, and disseminate information and design and deliver technical, professional, and personnel presentations	3.6	26	15	57.7%	11	42.3%	0	0.0%	0	0.0%
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	3.6	26	17	65.4%	8	30.8%	1	3.8%	0	0.0%

SOURCE: 2019 Worldwide Alumni Survey: One Year after Graduation. Class of 2017. (4-Very Useful, 3-Useful, 2-Not Very Useful, 1-Not At All Useful). Institutional Research (2019).

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

	M	n	Very High Preparation		High Preparation		Little Preparation		Very Little Preparation	
			#	%	#	%	#	%	#	%
Utilize management concepts and skills in solving problems and making improvements within organizations and/or real world situations	3.2	28	10	35.7%	14	50.0%	4	14.3%	0	0.0%
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	3.3	28	11	39.3%	14	50.0%	2	7.1%	1	3.6%
Apply and interpret the fundamentals of quantitative and financial analysis to management problems and/or projects	3.0	28	8	28.6%	13	46.4%	6	21.4%	1	3.6%
Use communication skills to develop defensible positions using data and information from diverse sources and apply problem solving strategies to reach scientifically defensible solutions	3.4	28	12	42.9%	14	50.0%	2	7.1%	0	0.0%
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	3.3	27	11	40.7%	14	51.9%	2	7.4%	0	0.0%
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	3.2	26	10	38.5%	11	42.3%	5	19.2%	0	0.0%
Be able to design and conduct appropriate research projects to solve problems in manufacturing, production, distribution and sales of products	3.2	26	10	38.5%	11	42.3%	5	19.2%	0	0.0%
Use computer, video conferencing, and presentation technology to locate, collect, store, manage, and disseminate information and design and deliver technical, professional, and personnel presentations	3.1	26	8	30.8%	14	53.8%	3	11.5%	1	3.8%
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	3.5	26	14	53.8%	10	38.5%	2	7.7%	0	0.0%

SOURCE: 2019 Worldwide Alumni Survey: One Year after Graduation. Class of 2017. (4-Very High Preparation, 3-High Preparation, 2-Little Preparation, 1-Very Little Preparation). Institutional Research (2019).

SOURCE: Office of Institutional Research - July 2019

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

	M	n	Very High Preparation		High Preparation		Little Preparation		Little Very Preparation	
			#	%	#	%	#	%	#	%
Understand and apply the fundamentals of Airframe Maintenance, including structural design, construction, inspection, repair, and maintenance	3.3	10	3	30.0%	7	70.0%	0	0.0%	0	0.0%
Basic knowledge and understanding of common airframe systems and apply system knowledge in basic troubleshooting techniques	3.1	10	2	20.0%	7	70.0%	1	10.0%	0	0.0%
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	3.2	10	2	20.0%	8	80.0%	0	0.0%	0	0.0%
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	3.2	10	2	20.0%	8	80.0%	0	0.0%	0	0.0%
Basic knowledge and understanding of common powerplant systems and apply system knowledge in basic troubleshooting techniques	3.1	10	2	20.0%	7	70.0%	1	10.0%	0	0.0%
Adequate preparation to take the FAA A&P written, oral, and practical examination	3.1	10	3	30.0%	5	50.0%	2	20.0%	0	0.0%

SOURCE: 2019 Worldwide Alumni Survey: One Year After Graduation. Class of 2017. (4-Very High Preparation, 3-High Preparation, 2-Little Preparation, 1-Very Little Preparation). Institutional Research (2019).