Alumni Survey, First Year after Graduation

2013

Prescott, Arizona Alumni tables, Class of 2011.

Contents

Methodology

The Alumni Survey was created to gather information from recent ERAU graduates. The instrument includes questions on current employment, additional education, general and program specific skills. Alumni participation allows ERAU to establish placement rates, track the pursuance of higher education, respond to accreditation requirements, and assess the curricula.

The administration method of the Alumni survey has varied with regard to the length of time since graduation. Currently, alumni are surveyed both one and four to five years after graduation from the Daytona Beach Campus, or Prescott Campus. Prior administrations of the Alumni Survey (and the Alumni Employment Survey, which is now discontinued) included graduates from Worldwide, and were conducted at either one, two, or five years after graduation.

Program-specific Skills

BS Aeronautical Science

Program-specific Skills: Rate usefulness to current job or goal
BS Aeronautical Science Prescott

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Understanding aerodynamic performance of aircraft powered by reciprocating and turbine engines	7	77.8%	0	.0%	0	.0%	2	22.2%	9	100.0%
Use of electronic navigation and flight control systems	6	66.7%	0	.0%	0	.0%	3	33.3%	9	100.0%
Crew coordination (cockpit resource management)	6	66.7%	1	11.1%	1	11.1%	1	11.1%	9	100.0%
Knowledge of flight physiology, awareness of flight psychology (human factors)	6	66.7%	2	22.2%	0	.0%	1	11.1%	9	100.0%
Understanding of safety issues, employment of accident prevention techniques, safety program practices and management, and mishap investigation	7	77.8%	1	11.1%	0	.0%	1	11.1%	9	100.0%
Understanding the concepts and process of meteorology	5	55.6%	3	33.3%	0	.0%	1	11.1%	9	100.0%
Instrument flight skill	5	55.6%	2	22.2%	0	.0%	2	22.2%	9	100.0%
Multi-engine/high performance aircraft operations	4	44.4%	2	22.2%	2	22.2%	1	11.1%	9	100.0%
Knowledge of Federal Aviation Regulations	6	66.7%	2	22.2%	0	.0%	1	11.1%	9	100.0%
Aeronautical decision making (judgment skills)	7	77.8%	1	11.1%	0	.0%	1	11.1%	9	100.0%
Actions, attitudes, and knowledge of security considerations	6	66.7%	1	11.1%	1	11.1%	1	11.1%	9	100.0%
Dealing with integrity issues	6	66.7%	1	11.1%	1	11.1%	1	11.1%	9	100.0%
Development of moral character	7	77.8%	2	22.2%	0	.0%	0	.0%	9	100.0%
Assertiveness in a leadership or subordinate role	8	88.9%	1	11.1%	0	.0%	0	.0%	9	100.0%
Ground/Flight training aptitude	6	66.7%	2	22.2%	0	.0%	1	11.1%	9	100.0%
Ability to adapt to and understand Ground/Flight training for initial aviation position	6	66.7%	1	11.1%	0	.0%	2	22.2%	9	100.0%
Foundation for understanding complex aircraft systems/navigation/operation in future aviation positions	7	77.8%	1	11.1%	1	11.1%	0	.0%	9	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

Alumni Survey, Class of 2011
First Year after Graduation
Prescott, Arizona

Program-specific Skills: Rate ERAU's preparation
BS Aeronautical Science Prescott

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Understanding aerodynamic performance of aircraft powered by reciprocating and turbine engines	5	55.6%	4	44.4%	0	.0%	0	.0%	9	100.0%
Use of electronic navigation and flight control systems	6	66.7%	3	33.3%	0	.0%	0	.0%	9	100.0%
Crew coordination (cockpit resource management)	5	55.6%	3	33.3%	1	11.1%	0	.0%	9	100.0%
Knowledge of flight physiology, awareness of flight psychology (human factors)	6	66.7%	3	33.3%	0	.0%	0	.0%	9	100.0%
Understanding of safety issues, employment of accident prevention techniques, safety program practices and management, and mishap investigation	6	66.7%	3	33.3%	0	.0%	0	.0%	9	100.0%
Understanding the concepts and process of meteorology	5	55.6%	3	33.3%	0	.0%	1	11.1%	9	100.0%
Instrument flight skill	6	66.7%	3	33.3%	0	.0%	0	.0%	9	100.0%
Multi-engine/high performance aircraft operations	5	55.6%	3	33.3%	1	11.1%	0	.0%	9	100.0%
Knowledge of Federal Aviation Regulations	6	66.7%	1	11.1%	1	11.1%	1	11.1%	9	100.0%
Aeronautical decision making (judgment skills)	7	77.8%	1	11.1%	1	11.1%	0	.0%	9	100.0%
Actions, attitudes, and knowledge of security considerations	5	55.6%	2	22.2%	1	11.1%	1	11.1%	9	100.0%
Dealing with integrity issues	4	44.4%	4	44.4%	0	.0%	1	11.1%	9	100.0%
Development of moral character	5	55.6%	4	44.4%	0	.0%	0	.0%	9	100.0%
Assertiveness in a leadership or subordinate role	5	55.6%	4	44.4%	0	.0%	0	.0%	9	100.0%
Ground/Flight training aptitude	4	44.4%	5	55.6%	0	.0%	0	.0%	9	100.0%
Ability to adapt to and understand Ground/Flight training for initial aviation position	4	44.4%	5	55.6%	0	.0%	0	.0%	9	100.0%
Foundation for understanding complex aircraft systems/navigation/operation in future aviation positions	5	55.6%	4	44.4%	0	.0%	0	.0%	9	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

BS Aeronautics

Program-specific Skills: Rate usefulness to current job or goal
BS Aeronautics Prescott

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge and understanding of aviation law and regulations	5	55.6%	3	33.3%	1	11.1%	0	.0%	9	100.0%
Understanding and application of management theory/concepts	3	33.3%	4	44.4%	2	22.2%	0	.0%	9	100.0%
Knowledge and understanding of economic principles	2	22.2%	3	33.3%	2	22.2%	2	22.2%	9	100.0%
Use of statistical/quantitative techniques to solve problems	2	22.2%	6	66.7%	0	.0%	1	11.1%	9	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	7	77.8%	2	22.2%	0	.0%	0	.0%	9	100.0%
Knowledge and understanding of the many facets of the aviation industry	5	55.6%	2	22.2%	2	22.2%	0	.0%	9	100.0%
Dealing with integrity issues	5	55.6%	4	44.4%	0	.0%	0	.0%	9	100.0%
Development of moral character	7	77.8%	2	22.2%	0	.0%	0	.0%	9	100.0%
Assertiveness in a leadership or subordinate role	6	66.7%	3	33.3%	0	.0%	0	.0%	9	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	5	55.6%	3	33.3%	1	11.1%	0	.0%	9	100.0%
Knowledge of scientific principles	3	33.3%	3	33.3%	3	33.3%	0	.0%	9	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

Program-specific Skills: Rate ERAU's preparation
BS Aeronautics Prescott

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge and understanding of aviation law and regulations	3	33.3%	5	55.6%	1	11.1%	0	.0%	9	100.0%
Understanding and application of management theory/concepts	2	22.2%	5	55.6%	1	11.1%	1	11.1%	9	100.0%
Knowledge and understanding of economic principles	2	22.2%	4	44.4%	2	22.2%	1	11.1%	9	100.0%
Use of statistical/quantitative techniques to solve problems	1	11.1%	5	55.6%	1	11.1%	2	22.2%	9	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	5	55.6%	3	33.3%	1	11.1%	0	.0%	9	100.0%
Knowledge and understanding of the many facets of the aviation industry	5	55.6%	4	44.4%	0	.0%	0	.0%	9	100.0%
Dealing with integrity issues	2	22.2%	4	44.4%	2	22.2%	1	11.1%	9	100.0%
Development of moral character	2	22.2%	4	44.4%	1	11.1%	2	22.2%	9	100.0%
Assertiveness in a leadership or subordinate role	1	11.1%	6	66.7%	1	11.1%	1	11.1%	9	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	2	22.2%	4	44.4%	2	22.2%	1	11.1%	9	100.0%
Knowledge of scientific principles	1	11.1%	2	22.2%	3	33.3%	3	33.3%	9	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

BS Aerospace Engineering

Program-specific Skills: Rate usefulness to current job or goal
BS Aerospace Engineering Prescott

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of mathematics and physical science	7	36.8%	8	42.1%	4	21.1%	0	.0%	19	100.0%
Knowledge of fundamental engineering sciences	12	63.2%	4	21.1%	3	15.8%	0	.0%	19	100.0%
Design and conduct experiments	6	31.6%	6	31.6%	5	26.3%	2	10.5%	19	100.0%
Analyze and interpret experimental data	9	47.4%	6	31.6%	2	10.5%	2	10.5%	19	100.0%
Knowledge of aerodynamics	3	15.8%	6	31.6%	6	31.6%	4	21.1%	19	100.0%
Knowledge of aircraft performance	5	26.3%	2	10.5%	6	31.6%	6	31.6%	19	100.0%
Knowledge of flight mechanics or spacecraft dynamics	4	21.1%	3	15.8%	8	42.1%	4	21.1%	19	100.0%
Knowledge of aerospace materials	6	31.6%	6	31.6%	5	26.3%	2	10.5%	19	100.0%
Knowledge of aircraft or spacecraft structures	7	36.8%	5	26.3%	3	15.8%	4	21.1%	19	100.0%
Knowledge of propulsion	4	21.1%	5	26.3%	6	31.6%	4	21.1%	19	100.0%
Knowledge of orbital mechanics	3	15.8%	1	5.3%	4	21.1%	11	57.9%	19	100.0%
Knowledge of control systems	3	15.8%	5	26.3%	5	26.3%	6	31.6%	19	100.0%
Knowledge of circuits, electronics, or instrumentation	7	36.8%	3	15.8%	5	26.3%	4	21.1%	19	100.0%
Identify, formulate, and solve engineering problems	8	42.1%	7	36.8%	3	15.8%	1	5.3%	19	100.0%
Use computer aided engineering and programming tools	10	52.6%	6	31.6%	2	10.5%	1	5.3%	19	100.0%
Design an aircraft or spacecraft system, component, or mission to meet desired needs	7	36.8%	6	31.6%	3	15.8%	3	15.8%	19	100.0%
Understand the impact of engineering decisions on society and the environment	6	31.6%	5	26.3%	6	31.6%	2	10.5%	19	100.0%
Understand professional and ethical responsibility	12	63.2%	6	31.6%	1	5.3%	0	.0%	19	100.0%
Recognize the need to continue professional development throughout one's career	12	63.2%	6	31.6%	1	5.3%	0	.0%	19	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

Alumni Survey, Class of 2011
First Year after Graduation
Prescott, Arizona

Program-specific Skills: Rate ERAU's preparation
BS Aerospace Engineering Prescott

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of mathematics and physical science	9	47.4%	7	36.8%	3	15.8%	0	.0%	19	100.0%
Knowledge of fundamental engineering sciences	11	57.9%	6	31.6%	2	10.5%	0	.0%	19	100.0%
Design and conduct experiments	7	36.8%	8	42.1%	4	21.1%	0	.0%	19	100.0%
Analyze and interpret experimental data	8	42.1%	7	36.8%	4	21.1%	0	.0%	19	100.0%
Knowledge of aerodynamics	8	42.1%	8	42.1%	3	15.8%	0	.0%	19	100.0%
Knowledge of aircraft performance	8	42.1%	7	36.8%	2	10.5%	2	10.5%	19	100.0%
Knowledge of flight mechanics or spacecraft dynamics	8	42.1%	10	52.6%	1	5.3%	0	.0%	19	100.0%
Knowledge of aerospace materials	6	31.6%	11	57.9%	2	10.5%	0	.0%	19	100.0%
Knowledge of aircraft or spacecraft structures	7	36.8%	11	57.9%	1	5.3%	0	.0%	19	100.0%
Knowledge of propulsion	7	36.8%	9	47.4%	3	15.8%	0	.0%	19	100.0%
Knowledge of orbital mechanics	6	31.6%	9	47.4%	3	15.8%	1	5.3%	19	100.0%
Knowledge of control systems	6	31.6%	9	47.4%	2	10.5%	2	10.5%	19	100.0%
Knowledge of circuits, electronics, or instrumentation	2	10.5%	9	47.4%	5	26.3%	3	15.8%	19	100.0%
Identify, formulate, and solve engineering problems	10	52.6%	8	42.1%	1	5.3%	0	.0%	19	100.0%
Use computer aided engineering and programming tools	8	42.1%	9	47.4%	2	10.5%	0	.0%	19	100.0%
Design an aircraft or spacecraft system, component, or mission to meet desired needs	10	52.6%	6	31.6%	3	15.8%	0	.0%	19	100.0%
Understand the impact of engineering decisions on society and the environment	4	21.1%	8	42.1%	4	21.1%	3	15.8%	19	100.0%
Understand professional and ethical responsibility	8	44.4%	6	33.3%	3	16.7%	1	5.6%	18	100.0%
Recognize the need to continue professional development throughout one's career	8	42.1%	6	31.6%	3	15.8%	2	10.5%	19	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

BS Aviation Business Administration

Program-specific Skills: Rate usefulness to current job or goal
BS Aviation Business Administration Prescott

	Very Useful		Useful		Not Very Useful		Total	
	#	%	#	%	#	%	#	%
Understanding and having the ability to apply management theory and concepts within an organization	1	16.7%	4	66.7%	1	16.7%	6	100.0%
Understanding and having the ability to apply marketing concepts in business and/or in the creation of a strategic marketing plan	1	16.7%	3	50.0%	2	33.3%	6	100.0%
Understanding and having the ability to apply financial concepts in business decision making	0	.0%	4	66.7%	2	33.3%	6	100.0%
Understanding and integrating knowledge of microeconomics into managerial decision making	0	.0%	4	66.7%	2	33.3%	6	100.0%
Understanding and integrating knowledge of macroeconomics into national and international policy decision making	0	.0%	3	50.0%	3	50.0%	6	100.0%
Understanding and having the ability to apply accounting concepts in business operations and/or managerial decision making	0	.0%	4	66.7%	2	33.3%	6	100.0%
Recognizing and considering ethical issues and social responsibility in managerial decision making	1	16.7%	2	33.3%	3	50.0%	6	100.0%
Understanding team member roles and experiencing team dynamics (challenges and opportunities), such that future team-based ventures can be confidently undertaken	3	50.0%	2	33.3%	1	16.7%	6	100.0%
Recognizing legal issues and applying legal concepts in managerial decision making	2	33.3%	3	50.0%	1	16.7%	6	100.0%
Understanding the complexities associated with the aviation industry, from the perspective of an aviation and/or business professional	3	50.0%	3	50.0%	0	.0%	6	100.0%
Understanding the challenges and opportunities associated with the global dimensions of business (including marketing, economics and management)	1	16.7%	4	66.7%	1	16.7%	6	100.0%
Utilizing technology, software (word processing, presentations, spreadsheets, website design, etc.) and information systems to create and communicate a message	4	66.7%	2	33.3%	0	.0%	6	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

Alumni Survey, Class of 2011
First Year after Graduation
Prescott, Arizona

Program-specific Skills: Rate ERAU's preparation
BS Aviation Business Administration Prescott

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Understanding and having the ability to apply management theory and concepts within an organization	3	50.0%	1	16.7%	2	33.3%	0	.0%	6	100.0%
Understanding and having the ability to apply marketing concepts in business and/or in the creation of a strategic marketing plan	2	33.3%	1	16.7%	3	50.0%	0	.0%	6	100.0%
Understanding and having the ability to apply financial concepts in business decision making	2	33.3%	2	33.3%	2	33.3%	0	.0%	6	100.0%
Understanding and integrating knowledge of microeconomics into managerial decision making	2	40.0%	1	20.0%	2	40.0%	0	.0%	5	100.0%
Understanding and integrating knowledge of macroeconomics into national and international policy decision making	3	50.0%	0	.0%	3	50.0%	0	.0%	6	100.0%
Understanding and having the ability to apply accounting concepts in business operations and/or managerial decision making	2	33.3%	1	16.7%	2	33.3%	1	16.7%	6	100.0%
Recognizing and considering ethical issues and social responsibility in managerial decision making	2	33.3%	0	.0%	4	66.7%	0	.0%	6	100.0%
Understanding team member roles and experiencing team dynamics (challenges and opportunities), such that future team-based ventures can be confidently undertaken	3	50.0%	1	16.7%	2	33.3%	0	.0%	6	100.0%
Recognizing legal issues and applying legal concepts in managerial decision making	0	.0%	3	50.0%	2	33.3%	1	16.7%	6	100.0%
Understanding the complexities associated with the aviation industry, from the perspective of an aviation and/or business professional	2	33.3%	1	16.7%	3	50.0%	0	.0%	6	100.0%
Understanding the challenges and opportunities associated with the global dimensions of business (including marketing, economics and management)	2	33.3%	2	33.3%	2	33.3%	0	.0%	6	100.0%
Utilizing technology, software (word processing, presentations, spreadsheets, website design, etc.) and information systems to create and communicate a message	2	33.3%	2	33.3%	2	33.3%	0	.0%	6	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

BS Global Security & Intelligence Studies

Program-specific Skills: Rate usefulness to current job or goal
BS Global Security & Intelligence Studies Prescott

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Capability to write in the clear and precise formats required in the Intelligence and Security Communities, both public and private.	4	40.0%	1	10.0%	1	10.0%	4	40.0%	10	100.0%
Ability to present oral briefings at a level comparable to those characteristic of the military, national security, intelligence, and corporate communities.	6	60.0%	0	.0%	1	10.0%	3	30.0%	10	100.0%
A strong capacity to think critically and imaginatively to interpret the implications of developments critical to the national and/or corporate security.	4	40.0%	3	30.0%	0	.0%	3	30.0%	10	100.0%
To work effectively in teams on breaking issues, simulations and war gaming, emergency planning and management, and aviation security management.	5	50.0%	1	10.0%	1	10.0%	3	30.0%	10	100.0%
Demonstrate basic oral competence and reading comprehension in a foreign language	4	40.0%	2	20.0%	1	10.0%	3	30.0%	10	100.0%
Capacity to perform criminal justice investigations and crime scene forensic examinations.	4	40.0%	0	.0%	2	20.0%	4	40.0%	10	100.0%
Demonstrate an understanding of the institutional and regulatory frameworks in the national security arenas, including aviation.	6	60.0%	0	.0%	1	10.0%	3	30.0%	10	100.0%
Demonstrate an overall knowledge of the Government of the United States, its Constitution and Laws.	5	50.0%	2	20.0%	1	10.0%	2	20.0%	10	100.0%
Demonstrate an understanding of History, in its widest sense, as the foundational discipline for the study of international relations, U.S. Foreign Policy, and intelligence studies.	6	60.0%	1	10.0%	1	10.0%	2	20.0%	10	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

Program-specific Skills: Rate ERAU's preparation
BS Global Security & Intelligence Studies Prescott

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Capability to write in the clear and precise formats required in the Intelligence and Security Communities, both public and private.	8	80.0%	2	20.0%	0	.0%	0	.0%	10	100.0%
Ability to present oral briefings at a level comparable to those characteristic of the military, national security, intelligence, and corporate communities.	8	80.0%	2	20.0%	0	.0%	0	.0%	10	100.0%
A strong capacity to think critically and imaginatively to interpret the implications of developments critical to the national and/or corporate security.	8	80.0%	2	20.0%	0	.0%	0	.0%	10	100.0%
To work effectively in teams on breaking issues, simulations and war gaming, emergency planning and management, and aviation security management.	7	70.0%	2	20.0%	1	10.0%	0	.0%	10	100.0%
Demonstrate basic oral competence and reading comprehension in a foreign language	5	50.0%	1	10.0%	3	30.0%	1	10.0%	10	100.0%
Capacity to perform criminal justice investigations and crime scene forensic examinations.	6	60.0%	3	30.0%	1	10.0%	0	.0%	10	100.0%
Demonstrate an understanding of the institutional and regulatory frameworks in the national security arenas, including aviation.	7	70.0%	3	30.0%	0	.0%	0	.0%	10	100.0%
Demonstrate an overall knowledge of the Government of the United States, its Constitution and Laws.	7	70.0%	3	30.0%	0	.0%	0	.0%	10	100.0%
Demonstrate an understanding of History, in its widest sense, as the foundational discipline for the study of international relations, U.S. Foreign Policy, and intelligence studies.	9	90.0%	1	10.0%	0	.0%	0	.0%	10	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

BS Mechanical Engineering

Program-specific Skills: Rate usefulness to current job or goal
BS Mechanical Engineering Prescott

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of mathematics and physical science	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Knowledge of fundamental engineering sciences	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Design and conduct experiments	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Analyze and interpret experimental data	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Knowledge of machine design fundamentals	0	.0%	2	66.7%	1	33.3%	0	.0%	3	100.0%
Knowledge of fluid mechanics, thermodynamics and the design of energy conversion systems	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Knowledge of robotic mechanisms, actuation and control	0	.0%	2	66.7%	1	33.3%	0	.0%	3	100.0%
Knowledge of gas turbine engine systems	1	33.3%	0	.0%	2	66.7%	0	.0%	3	100.0%
Knowledge of circuits, electronics and instrumentation	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
Identify, formulate and solve engineering problems	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Use computer aided design and programming tools	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Design a robotic or gas turbine system or component to meet desired needs	1	33.3%	0	.0%	1	33.3%	1	33.3%	3	100.0%
Understand the impact of engineering decisions on society and the environment	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Understand professional and ethical responsibility	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Recognize the need to continue professional development through one's career	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.

Program-specific Skills: Rate ERAU's preparation
BS Mechanical Engineering Prescott

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of mathematics and physical science	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Knowledge of fundamental engineering sciences	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Design and conduct experiments	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Analyze and interpret experimental data	0	.0%	3	100.0%	0	.0%	0	.0%	3	100.0%
Knowledge of machine design fundamentals	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Knowledge of fluid mechanics, thermodynamics and the design of energy conversion systems	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Knowledge of robotic mechanisms, actuation and control	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Knowledge of gas turbine engine systems	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Knowledge of circuits, electronics and instrumentation	1	33.3%	1	33.3%	0	.0%	1	33.3%	3	100.0%
Identify, formulate and solve engineering problems	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Use computer aided design and programming tools	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Design a robotic or gas turbine system or component to meet desired needs	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Understand the impact of engineering decisions on society and the environment	0	.0%	2	66.7%	1	33.3%	0	.0%	3	100.0%
Understand professional and ethical responsibility	0	.0%	3	100.0%	0	.0%	0	.0%	3	100.0%
Recognize the need to continue professional development through one's career	0	.0%	3	100.0%	0	.0%	0	.0%	3	100.0%

Source: Alumni Survey, Class of 2011 (1 year after graduation). Institutional Research, 05/13.