Alumni Survey – Program Specific Skills

One Year after Graduation

Class of 2010

Contents

Daytona Beach

College of Arts & Sciences

BS Engineering Physics

Program-specific Skills: Rate your current ability level
BS Engineering Physics Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Apply knowledge of mathematics, science, and engineering	2	66.7%	1	33.3%	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 data	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Design a system, component, or process to meet desired needs	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
Function on multi-disciplinary teams	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Identify, formulate, and solve engineering problems	2	66.7%	1	33.3%	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%
Communicate effectively	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Understand the impact of engineering solutions in a global and societal context	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Recognize and engage in life-long learning	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Knowledge of contemporary issues	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Use the techniques, skills, and modern engineering tools necessary for engineering practice	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Knowledge of classical mechanics	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Knowledge of engineering electricity and magnetism	0	.0%	2	66.7%	1	33.3%	0	.0%	3	100.0%
Knowledge of space physics	1	33.3%	0	.0%	2	66.7%	0	.0%	3	100.0%
Knowledge of quantum physics	0	.0%	2	66.7%	0	.0%	1	33.3%	3	100.0%
Knowledge of space systems engineering and design	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Knowledge of electro-optical engineering	0	.0%	2	66.7%	1	33.3%	0	.0%	3	100.0%
Knowledge of microcomputers and electronic instrumentation	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate usefulness to current job or goal
BS Engineering Physics Daytona Beach

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Apply knowledge of mathematics, science, and engineering	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Design and conduct experiments	0	.0%	3	100.0%	0	.0%	0	.0%	3	100.0%
Analyze and interpret data	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Design a system, component, or process to meet desired needs	1	33.3%	1	33.3%	0	.0%	1	33.3%	3	100.0%
Function on multi-disciplinary teams	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Identify, formulate, and solve engineering problems	2	66.7%	0	.0%	0	.0%	1	33.3%	3	100.0%
Understand professional and ethical responsibility	1	33.3%	1	33.3%	0	.0%	1	33.3%	3	100.0%
Communicate effectively	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
Understand the impact of engineering solutions in a global and societal context	0	.0%	2	66.7%	0	.0%	1	33.3%	3	100.0%
Recognize and engage in life-long learning	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Knowledge of contemporary issues	1	33.3%	0	.0%	1	33.3%	1	33.3%	3	100.0%
Use the techniques, skills, and modern engineering tools necessary for engineering practice	2	66.7%	0	.0%	0	.0%	1	33.3%	3	100.0%
Knowledge of classical mechanics	0	.0%	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Knowledge of engineering electricity and magnetism	0	.0%	1	33.3%	0	.0%	2	66.7%	3	100.0%
Knowledge of space physics	1	33.3%	0	.0%	0	.0%	2	66.7%	3	100.0%
Knowledge of quantum physics	0	.0%	0	.0%	1	33.3%	2	66.7%	3	100.0%
Knowledge of space systems engineering and design	2	66.7%	0	.0%	0	.0%	1	33.3%	3	100.0%
Knowledge of electro-optical engineering	0	.0%	0	.0%	2	66.7%	1	33.3%	3	100.0%
Knowledge of microcomputers and electronic instrumentation	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

Program-specific Skills: Rate ERAU's preparation
BS Engineering Physics Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Apply knowledge of mathematics, science, and engineering	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Design and conduct experiments	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Analyze and interpret data	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Design a system, component, or process to meet desired needs	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Function on multi-disciplinary teams	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Identify, formulate, and solve engineering problems	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Understand professional and ethical responsibility	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Communicate effectively	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Understand the impact of engineering solutions in a global and societal context	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Recognize and engage in life-long learning	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Knowledge of contemporary issues	2	66.7%	0	.0%	0	.0%	1	33.3%	3	100.0%
Use the techniques, skills, and modern engineering tools necessary for engineering practice	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Knowledge of classical mechanics	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Knowledge of engineering electricity and magnetism	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Knowledge of space physics	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Knowledge of quantum physics	1	33.3%	1	33.3%	0	.0%	1	33.3%	3	100.0%
Knowledge of space systems engineering and design	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Knowledge of electro-optical engineering	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Knowledge of microcomputers and electronic instrumentation	1	33.3%	1	33.3%	0	.0%	1	33.3%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

BS Human Factors Psychology

Program-specific Skills: Rate your current ability level
BS Human Factors Psychology Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Total	
	#	%	#	%	#	%	#	%
Knowledge of human psycho physiological, cognitive, and perceptual functioning	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Knowledge of human factors involving analytic methods, models, and human capabilities and limitations	0	.0%	2	50.0%	2	50.0%	4	100.0%
Knowledge of basic statistical procedures, including analysis of variance	0	.0%	1	25.0%	3	75.0%	4	100.0%
Research methods and design skills	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Effective oral and written communication skills	2	50.0%	1	25.0%	1	25.0%	4	100.0%
Ability to read, comprehend, and analyze results of published empirical studies in the human factors field	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Understanding of the application of human factors and psychological knowledge in aviation and other applied domains	1	25.0%	3	75.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate usefulness to current job or goal
BS Human Factors Psychology Daytona Beach

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of human psycho physiological, cognitive, and perceptual functioning	1	25.0%	1	25.0%	1	25.0%	1	25.0%	4	100.0%
Knowledge of human factors involving analytic methods, models, and human capabilities and limitations	1	25.0%	0	.0%	1	25.0%	2	50.0%	4	100.0%
Knowledge of basic statistical procedures, including analysis of variance	1	25.0%	1	25.0%	1	25.0%	1	25.0%	4	100.0%
Research methods and design skills	1	25.0%	0	.0%	1	25.0%	2	50.0%	4	100.0%
Effective oral and written communication skills	1	25.0%	2	50.0%	1	25.0%	0	.0%	4	100.0%
Ability to read, comprehend, and analyze results of published empirical studies in the human factors field	1	25.0%	0	.0%	0	.0%	3	75.0%	4	100.0%
Understanding of the application of human factors and psychological knowledge in aviation and other applied domains	1	25.0%	0	.0%	0	.0%	3	75.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

Program-specific Skills: Rate ERAU's preparation
BS Human Factors Psychology Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Total	
	#	%	#	%	#	%	#	%
Knowledge of human psycho physiological, cognitive, and perceptual functioning	2	50.0%	2	50.0%	0	.0%	4	100.0%
Knowledge of human factors involving analytic methods, models, and human capabilities and limitations	1	25.0%	3	75.0%	0	.0%	4	100.0%
Knowledge of basic statistical procedures, including analysis of variance	0	.0%	2	50.0%	2	50.0%	4	100.0%
Research methods and design skills	0	.0%	3	75.0%	1	25.0%	4	100.0%
Effective oral and written communication skills	1	25.0%	3	75.0%	0	.0%	4	100.0%
Ability to read, comprehend, and analyze results of published empirical studies in the human factors field	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Understanding of the application of human factors and psychological knowledge in aviation and other applied domains	1	25.0%	3	75.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

BS Interdisciplinary Studies

Program-specific Skills: Rate your current ability level
BS Aerospace Studies/Interdisciplinary Studies Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Total	
	#	%	#	%	#	%	#	%
Understand basic concepts in several areas of study, such as aeronautical science, business administration, and social sciences.	1	33.3%	2	66.7%	0	.0%	3	100.0%
Understand the complex history and culture of one or more world regions.	2	66.7%	0	.0%	1	33.3%	3	100.0%
Develop vocabulary and writing skills that apply to specific communication contexts.	2	66.7%	0	.0%	1	33.3%	3	100.0%
Appreciate and understand the complexity and magnitude of human production in literature, the visual arts, architecture, religion, and myth.	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Develop skills in analytical interpretations of works in the humanities.	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Appreciate and understand human moral, religious, or philosophical thinking and belief systems.	2	66.7%	0	.0%	1	33.3%	3	100.0%
Garner skills and knowledge from intersecting minors to form a coherent body of knowledge.	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Conduct analytical research that intersects with at least two areas of study or complete a co-operative experience that enhanced knowledge and skills gained in the classroom.	1	33.3%	1	33.3%	1	33.3%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate usefulness to current job or goal
BS Aerospace Studies/Interdisciplinary Studies Daytona Beach

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Understand basic concepts in several areas of study, such as aeronautical science, business administration, and social sciences.	1	33.3%	0	.0%	1	33.3%	1	33.3%	3	100.0%
Understand the complex history and culture of one or more world regions.	1	33.3%	0	.0%	2	66.7%	0	.0%	3	100.0%
Develop vocabulary and writing skills that apply to specific communication contexts.	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Appreciate and understand the complexity and magnitude of human production in literature, the visual arts, architecture, religion, and myth.	0	.0%	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Develop skills in analytical interpretations of works in the humanities.	0	.0%	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Appreciate and understand human moral, religious, or philosophical thinking and belief systems.	1	33.3%	0	.0%	1	33.3%	1	33.3%	3	100.0%
Garner skills and knowledge from intersecting minors to form a coherent body of knowledge.	1	33.3%	0	.0%	0	.0%	2	66.7%	3	100.0%
Conduct analytical research that intersects with at least two areas of study or complete a co-operative experience that enhanced knowledge and skills gained in the classroom.	1	33.3%	0	.0%	0	.0%	2	66.7%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

Program-specific Skills: Rate ERAU's preparation
BS Aerospace Studies/Interdisciplinary Studies Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Total	
	#	%	#	%	#	%	#	%
Understand basic concepts in several areas of study, such as aeronautical science, business administration, and social sciences.	2	66.7%	1	33.3%	0	.0%	3	100.0%
Understand the complex history and culture of one or more world regions.	2	66.7%	1	33.3%	0	.0%	3	100.0%
Develop vocabulary and writing skills that apply to specific communication contexts.	2	66.7%	1	33.3%	0	.0%	3	100.0%
Appreciate and understand the complexity and magnitude of human production in literature, the visual arts, architecture, religion, and myth.	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Develop skills in analytical interpretations of works in the humanities.	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Appreciate and understand human moral, religious, or philosophical thinking and belief systems.	1	33.3%	0	.0%	2	66.7%	3	100.0%
Garner skills and knowledge from intersecting minors to form a coherent body of knowledge.	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Conduct analytical research that intersects with at least two areas of study or complete a co-operative experience that enhanced knowledge and skills gained in the classroom.	1	33.3%	1	33.3%	1	33.3%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

College of Aviation

BS Aeronautical Science

Program-specific Skills: Rate your current ability level
BS Aeronautical Science Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and applied sciences	7	33.3%	14	66.7%	0	.0%	0	.0%	21	100.0%
An ability to analyze and interpret data	10	47.6%	10	47.6%	1	4.8%	0	.0%	21	100.0%
An ability to function on multi-disciplinary teams	9	42.9%	9	42.9%	3	14.3%	0	.0%	21	100.0%
An understanding of professional, and ethical responsibility	13	61.9%	8	38.1%	0	.0%	0	.0%	21	100.0%
An ability to communicate effectively, including both written and verbal communication skills	11	52.4%	9	42.9%	1	4.8%	0	.0%	21	100.0%
A recognition for the need for, and an ability to engage in, life-long learning	10	47.6%	10	47.6%	1	4.8%	0	.0%	21	100.0%
A knowledge of contemporary issues	5	23.8%	7	33.3%	9	42.9%	0	.0%	21	100.0%
An ability to use the techniques, skills, and modern technology necessary for professional practice	10	47.6%	10	47.6%	1	4.8%	0	.0%	21	100.0%
An understanding of the national and international aviation environment	10	47.6%	8	38.1%	2	9.5%	1	4.8%	21	100.0%
An ability to apply pertinent knowledge in identifying and solving problems	15	71.4%	5	23.8%	1	4.8%	0	.0%	21	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and applied sciences	7	36.8%	9	47.4%	1	5.3%	2	10.5%	19	100.0%
An ability to analyze and interpret data	12	63.2%	6	31.6%	1	5.3%	0	.0%	19	100.0%
An ability to function on multi-disciplinary teams	10	52.6%	7	36.8%	1	5.3%	1	5.3%	19	100.0%
An understanding of professional, and ethical responsibility	14	73.7%	5	26.3%	0	.0%	0	.0%	19	100.0%
An ability to communicate effectively, including both written and verbal communication skills	16	84.2%	2	10.5%	1	5.3%	0	.0%	19	100.0%
A recognition for the need for, and an ability to engage in, life-long learning	14	73.7%	2	10.5%	2	10.5%	1	5.3%	19	100.0%
A knowledge of contemporary issues	5	26.3%	6	31.6%	5	26.3%	3	15.8%	19	100.0%
An ability to use the techniques, skills, and modern technology necessary for professional practice	13	68.4%	3	15.8%	2	10.5%	1	5.3%	19	100.0%
An understanding of the national and international aviation environment	13	68.4%	2	10.5%	3	15.8%	1	5.3%	19	100.0%
An ability to apply pertinent knowledge in identifying and solving problems	16	84.2%	1	5.3%	2	10.5%	0	.0%	19	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

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

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and applied sciences	4	21.1%	9	47.4%	5	26.3%	1	5.3%	19	100.0%
An ability to analyze and interpret data	5	26.3%	9	47.4%	4	21.1%	1	5.3%	19	100.0%
An ability to function on multi-disciplinary teams	6	31.6%	8	42.1%	4	21.1%	1	5.3%	19	100.0%
An understanding of professional, and ethical responsibility	7	36.8%	8	42.1%	4	21.1%	0	.0%	19	100.0%
An ability to communicate effectively, including both written and verbal communication skills	3	15.8%	10	52.6%	5	26.3%	1	5.3%	19	100.0%
A recognition for the need for, and an ability to engage in, life-long learning	7	36.8%	5	26.3%	5	26.3%	2	10.5%	19	100.0%
A knowledge of contemporary issues	1	5.3%	7	36.8%	10	52.6%	1	5.3%	19	100.0%
An ability to use the techniques, skills, and modern technology necessary for professional practice	9	47.4%	7	36.8%	2	10.5%	1	5.3%	19	100.0%
An understanding of the national and international aviation environment	7	36.8%	7	36.8%	5	26.3%	0	.0%	19	100.0%
An ability to apply pertinent knowledge in identifying and solving problems	5	26.3%	11	57.9%	2	10.5%	1	5.3%	19	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

BS Aeronautics

Program-specific Skills: Rate your current ability level
BS Aeronautics Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge and understanding of aviation law and regulatory process	6	54.5%	2	18.2%	3	27.3%	0	.0%	11	100.0%
Understanding and application of management theory/concepts	2	18.2%	3	27.3%	6	54.5%	0	.0%	11	100.0%
Knowledge and understanding of economic principles	2	20.0%	4	40.0%	3	30.0%	1	10.0%	10	100.0%
Use of statistical/quantitative techniques to solve problems	1	10.0%	4	40.0%	5	50.0%	0	.0%	10	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	7	70.0%	2	20.0%	1	10.0%	0	.0%	10	100.0%
Knowledge and understanding of the many facets of the aviation industry	6	60.0%	3	30.0%	1	10.0%	0	.0%	10	100.0%
Dealing with integrity issues	7	70.0%	2	20.0%	1	10.0%	0	.0%	10	100.0%
Development of moral character	7	70.0%	3	30.0%	0	.0%	0	.0%	10	100.0%
Assertiveness in a leadership or subordinate role	6	60.0%	4	40.0%	0	.0%	0	.0%	10	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	9	90.0%	0	.0%	1	10.0%	0	.0%	10	100.0%
Knowledge of scientific principles	5	50.0%	3	30.0%	2	20.0%	0	.0%	10	100.0%
Distinguish themselves as valuable employees in the varied employment areas available	6	60.0%	4	40.0%	0	.0%	0	.0%	10	100.0%
Identify the influence and importance of the history of aviation	8	80.0%	1	10.0%	0	.0%	1	10.0%	10	100.0%
Illustrate their preparedness in technical writing skills	3	30.0%	6	60.0%	1	10.0%	0	.0%	10	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge and understanding of aviation law and regulatory process	3	27.3%	5	45.5%	1	9.1%	2	18.2%	11	100.0%
Understanding and application of management theory/concepts	3	27.3%	3	27.3%	0	.0%	5	45.5%	11	100.0%
Knowledge and understanding of economic principles	2	20.0%	3	30.0%	1	10.0%	4	40.0%	10	100.0%
Use of statistical/quantitative techniques to solve problems	1	10.0%	3	30.0%	3	30.0%	3	30.0%	10	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	6	60.0%	2	20.0%	0	.0%	2	20.0%	10	100.0%
Knowledge and understanding of the many facets of the aviation industry	5	50.0%	3	30.0%	0	.0%	2	20.0%	10	100.0%
Dealing with integrity issues	4	40.0%	3	30.0%	3	30.0%	0	.0%	10	100.0%
Development of moral character	7	70.0%	2	20.0%	1	10.0%	0	.0%	10	100.0%
Assertiveness in a leadership or subordinate role	6	60.0%	3	30.0%	1	10.0%	0	.0%	10	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	6	60.0%	1	10.0%	2	20.0%	1	10.0%	10	100.0%
Knowledge of scientific principles	3	30.0%	0	.0%	3	30.0%	4	40.0%	10	100.0%
Distinguish themselves as valuable employees in the varied employment areas available	8	80.0%	1	10.0%	1	10.0%	0	.0%	10	100.0%
Identify the influence and importance of the history of aviation	2	20.0%	3	30.0%	3	30.0%	2	20.0%	10	100.0%
Illustrate their preparedness in technical writing skills	3	30.0%	1	10.0%	2	20.0%	4	40.0%	10	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

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

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge and understanding of aviation law and regulatory process	8	72.7%	1	9.1%	2	18.2%	0	.0%	11	100.0%
Understanding and application of management theory/concepts	1	9.1%	0	.0%	8	72.7%	2	18.2%	11	100.0%
Knowledge and understanding of economic principles	1	10.0%	2	20.0%	6	60.0%	1	10.0%	10	100.0%
Use of statistical/quantitative techniques to solve problems	1	10.0%	4	40.0%	4	40.0%	1	10.0%	10	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	6	60.0%	2	20.0%	1	10.0%	1	10.0%	10	100.0%
Knowledge and understanding of the many facets of the aviation industry	5	50.0%	4	40.0%	1	10.0%	0	.0%	10	100.0%
Dealing with integrity issues	1	10.0%	5	50.0%	4	40.0%	0	.0%	10	100.0%
Development of moral character	2	20.0%	5	50.0%	2	20.0%	1	10.0%	10	100.0%
Assertiveness in a leadership or subordinate role	2	20.0%	4	40.0%	3	30.0%	1	10.0%	10	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	2	20.0%	4	40.0%	3	30.0%	1	10.0%	10	100.0%
Knowledge of scientific principles	3	30.0%	0	.0%	6	60.0%	1	10.0%	10	100.0%
Distinguish themselves as valuable employees in the varied employment areas available	4	40.0%	4	40.0%	2	20.0%	0	.0%	10	100.0%
Identify the influence and importance of the history of aviation	4	40.0%	2	20.0%	4	40.0%	0	.0%	10	100.0%
Illustrate their preparedness in technical writing skills	2	20.0%	3	30.0%	4	40.0%	1	10.0%	10	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

BS Air Traffic Management

Program-specific Skills: Rate your current ability level
BS Air Traffic Management Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Understanding the history, mission, purpose and duty priority of air traffic control	12	80.0%	3	20.0%	0	.0%	0	.0%	15	100.0%
Understanding the principles of flight and the pilot's environment	11	73.3%	4	26.7%	0	.0%	0	.0%	15	100.0%
Knowledge of basic communications and air traffic control phraseology	12	80.0%	3	20.0%	0	.0%	0	.0%	15	100.0%
Knowledge of Instrument Approach Procedure (IAP), Departure Procedure (DP), and Standard Arrival Route (STAR) Charts	8	53.3%	5	33.3%	2	13.3%	0	.0%	15	100.0%
Knowledge of VFR Sectional Charts, VFR Terminal Charts, IFR Enroute Low Altitude Charts, IFR Enroute High Altitude Charts	9	60.0%	4	26.7%	2	13.3%	0	.0%	15	100.0%
Understanding of basic weather fundamentals, weather systems, and hazardous weather	10	66.7%	3	20.0%	1	6.7%	1	6.7%	15	100.0%
Knowledge and ability to interpret metrological reports: METARs, Terminal Area Forecasts, AIRMETs, SIGMETs, and PIREPs	10	66.7%	4	26.7%	1	6.7%	0	.0%	15	100.0%
Knowledge of air traffic control strip marking: enroute and terminal	9	60.0%	4	26.7%	2	13.3%	0	.0%	15	100.0%
Understanding of Radar separation procedures, airspace to be protectedspeed adjustments, vectoring techniques and traffic coordination applicable to Air traffic Control operations	11	73.3%	4	26.7%	0	.0%	0	.0%	15	100.0%
Knowledge of basic VFR Control Tower operations, including duties and responsibilities associated with the operating positions of local control, ground control, and flight data/clearance delivery	11	73.3%	3	20.0%	1	6.7%	0	.0%	15	100.0%
Knowledge of Federal Aviation Regualtions as they pertain to Air Traffic Control	10	66.7%	4	26.7%	1	6.7%	0	.0%	15	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to radar separation of aircraft	13	86.7%	2	13.3%	0	.0%	0	.0%	15	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to non-radar separation of aircraft	11	73.3%	2	13.3%	1	6.7%	1	6.7%	15	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

Program-specific Skills: Rate usefulness to current job or goal
BS Air Traffic Management Daytona Beach

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Understanding the history, mission, purpose and duty priority of air traffic control	4	26.7%	2	13.3%	2	13.3%	7	46.7%	15	100.0%
Understanding the principles of flight and the pilot's environment	6	40.0%	1	6.7%	1	6.7%	7	46.7%	15	100.0%
Knowledge of basic communications and air traffic control phraseology	5	33.3%	2	13.3%	1	6.7%	7	46.7%	15	100.0%
Knowledge of Instrument Approach Procedure (IAP), Departure Procedure (DP), and Standard Arrival Route (STAR) Charts	5	33.3%	1	6.7%	0	.0%	9	60.0%	15	100.0%
Knowledge of VFR Sectional Charts, VFR Terminal Charts, IFR Enroute Low Altitude Charts, IFR Enroute High Altitude Charts	5	33.3%	1	6.7%	0	.0%	9	60.0%	15	100.0%
Understanding of basic weather fundamentals, weather systems, and hazardous weather	5	33.3%	3	20.0%	1	6.7%	6	40.0%	15	100.0%
Knowledge and ability to interpret meteorological reports: METARs, Terminal Area Forecasts, AIRMETs, SIGMETs, and PIREPs	5	33.3%	3	20.0%	0	.0%	7	46.7%	15	100.0%
Knowledge of air traffic control strip marking: enroute and terminal	5	33.3%	0	.0%	0	.0%	10	66.7%	15	100.0%
Understanding of Radar separation procedures, airspace to be protected, speed adjustments, vectoring techniques and traffic coordination applicable to Air traffic Control operations	5	33.3%	0	.0%	2	13.3%	8	53.3%	15	100.0%
Knowledge of basic VFR Control Tower operations, including duties and responsibilities associated with the operating positions of local control, ground control, and flight data/clearance delivery	4	26.7%	0	.0%	1	6.7%	10	66.7%	15	100.0%
Knowledge of Federal Aviation Regulations as they pertain to Air Traffic Control	4	26.7%	2	13.3%	2	13.3%	7	46.7%	15	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to radar separation of aircraft	5	33.3%	1	6.7%	0	.0%	9	60.0%	15	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to non-radar separation of aircraft	4	26.7%	1	6.7%	0	.0%	10	66.7%	15	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate ERAU's preparation
BS Air Traffic Management Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Understanding the history, mission, purpose and duty priority of air traffic control	14	93.3%	1	6.7%	0	.0%	0	.0%	15	100.0%
Understanding the principles of flight and the pilot's environment	11	73.3%	3	20.0%	1	6.7%	0	.0%	15	100.0%
Knowledge of basic communications and air traffic control phraseology	14	93.3%	1	6.7%	0	.0%	0	.0%	15	100.0%
Knowledge of Instrument Approach Procedure (IAP), Departure Procedure (DP), and Standard Arrival Route (STAR) Charts	7	50.0%	7	50.0%	0	.0%	0	.0%	14	100.0%
Knowledge of VFR Sectional Charts, VFR Terminal Charts, IFR Enroute Low Altitude Charts, IFR Enroute High Altitude Charts	9	60.0%	5	33.3%	1	6.7%	0	.0%	15	100.0%
Understanding of basic weather fundamentals, weather systems, and hazardous weather	9	60.0%	5	33.3%	0	.0%	1	6.7%	15	100.0%
Knowledge and ability to interpret metrological reports: METARs, Terminal Area Forecasts, AIRMETs, SIGMETs, and PIREPs	12	80.0%	2	13.3%	1	6.7%	0	.0%	15	100.0%
Knowledge of air traffic control strip marking: enroute and terminal	12	80.0%	2	13.3%	1	6.7%	0	.0%	15	100.0%
Understanding of Radar separation procedures, airspace to be protectedspeed adjustments, vectoring techniques and traffic coordination applicable to Air traffic Control operations	12	80.0%	1	6.7%	1	6.7%	1	6.7%	15	100.0%
Knowledge of basic VFR Control Tower operations, including duties and responsibilities associated with the operating positions of local control, ground control, and flight data/clearance delivery	13	86.7%	2	13.3%	0	.0%	0	.0%	15	100.0%
Knowledge of Federal Aviation Regualtions as they pertain to Air Traffic Control	10	66.7%	4	26.7%	1	6.7%	0	.0%	15	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to radar separation of aircraft	11	73.3%	1	6.7%	2	13.3%	1	6.7%	15	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to non-radar separation of aircraft	11	73.3%	1	6.7%	1	6.7%	2	13.3%	15	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

BS Applied Meteorology

Program-specific Skills: Rate your current ability level
BS Applied Meteorology Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Total	
	#	%	#	%	#	%	#	%
Ability to apply knowledge of meteorology, math, and the sciences in general to projects, services and assignments	2	50.0%	2	50.0%	0	.0%	4	100.0%
Knowledge and ability to utilize techniques, skills, and computer resources for weather data gathering, analysis, interpretation, and product generation	3	75.0%	1	25.0%	0	.0%	4	100.0%
Ability to function in teams	2	50.0%	2	50.0%	0	.0%	4	100.0%
An understanding of professional and ethical responsibilities	4	100.0%	0	.0%	0	.0%	4	100.0%
Ability to express complex weather concepts in terms that others can understand using both written and verbal communication methods	1	25.0%	3	75.0%	0	.0%	4	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	2	50.0%	2	50.0%	0	.0%	4	100.0%
A knowledge of contemporary meteorological problems, issues, and programs for both research and user applications	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Ability to use techniques, skills, and modern technology for meteorological professional practices	2	50.0%	1	25.0%	1	25.0%	4	100.0%
An understanding of the national and international aviation environment which relate to weather	2	50.0%	2	50.0%	0	.0%	4	100.0%
Ability to apply pertinent meteorological knowledge in identifying and solving problems for both yourself and for customers	4	100.0%	0	.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate usefulness to current job or goal
BS Applied Meteorology Daytona Beach

	Very Useful		Useful		Not Very Useful		Total	
	#	%	#	%	#	%	#	%
Ability to apply knowledge of meteorology, math, and the sciences in general to projects, services and assignments	2	50.0%	2	50.0%	0	.0%	4	100.0%
Knowledge and ability to utilize techniques, skills, and computer resources for weather data gathering, analysis, interpretation, and product generation	3	75.0%	1	25.0%	0	.0%	4	100.0%
Ability to function in teams	3	75.0%	1	25.0%	0	.0%	4	100.0%
An understanding of professional and ethical responsibilities	4	100.0%	0	.0%	0	.0%	4	100.0%
Ability to express complex weather concepts in terms that others can understand using both written and verbal communication methods	1	25.0%	3	75.0%	0	.0%	4	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	2	50.0%	2	50.0%	0	.0%	4	100.0%
A knowledge of contemporary meteorological problems, issues, and programs for both research and user applications	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Ability to use techniques, skills, and modern technology for meteorological professional practices	2	50.0%	1	25.0%	1	25.0%	4	100.0%
An understanding of the national and international aviation environment which relate to weather	3	75.0%	1	25.0%	0	.0%	4	100.0%
Ability to apply pertinent meteorological knowledge in identifying and solving problems for both yourself and for customers	3	75.0%	1	25.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate ERAU's preparation
BS Applied Meteorology Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Total	
	#	%	#	%	#	%	#	%
Ability to apply knowledge of meteorology, math, and the sciences in general to projects, services and assignments	3	75.0%	1	25.0%	0	.0%	4	100.0%
Knowledge and ability to utilize techniques, skills, and computer resources for weather data gathering, analysis, interpretation, and product generation	2	50.0%	2	50.0%	0	.0%	4	100.0%
Ability to function in teams	1	25.0%	1	25.0%	2	50.0%	4	100.0%
An understanding of professional and ethical responsibilities	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Ability to express complex weather concepts in terms that others can understand using both written and verbal communication methods	1	25.0%	3	75.0%	0	.0%	4	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	2	50.0%	1	25.0%	1	25.0%	4	100.0%
A knowledge of contemporary meteorological problems, issues, and programs for both research and user applications	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Ability to use techniques, skills, and modern technology for meteorological professional practices	2	50.0%	0	.0%	2	50.0%	4	100.0%
An understanding of the national and international aviation environment which relate to weather	2	50.0%	1	25.0%	1	25.0%	4	100.0%
Ability to apply pertinent meteorological knowledge in identifying and solving problems for both yourself and for customers	3	75.0%	0	.0%	1	25.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

BS Aviation Maintenance Science

Program-specific Skills: Rate your current ability level
BS Aviation Maintenance Science Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Total	
	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and applied sciences	2	50.0%	2	50.0%	0	.0%	4	100.0%
An ability to analyze and interpret data	2	50.0%	2	50.0%	0	.0%	4	100.0%
An ability to function on multi-disciplinary teams	3	75.0%	1	25.0%	0	.0%	4	100.0%
An understanding of professional and ethical responsibility	3	75.0%	1	25.0%	0	.0%	4	100.0%
An ability to communicate effectively, including both written and verbal communication skills	2	50.0%	2	50.0%	0	.0%	4	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	2	50.0%	2	50.0%	0	.0%	4	100.0%
A knowledge of contemporary issues	2	50.0%	1	25.0%	1	25.0%	4	100.0%
An ability to use the techniques, skills, and modern technology necessary for professional practice	2	50.0%	0	.0%	2	50.0%	4	100.0%
An understanding of the national and international aviation environment	2	50.0%	0	.0%	2	50.0%	4	100.0%
An ability to apply pertinent knowledge in identifying and solving problems.	4	100.0%	0	.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate usefulness to current job or goal
BS Aviation Maintenance Science Daytona Beach

	Very Useful		Useful		Not Very Useful		Total	
	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and applied sciences	2	50.0%	1	25.0%	1	25.0%	4	100.0%
An ability to analyze and interpret data	2	50.0%	1	25.0%	1	25.0%	4	100.0%
An ability to function on multi-disciplinary teams	3	75.0%	0	.0%	1	25.0%	4	100.0%
An understanding of professional and ethical responsibility	3	75.0%	0	.0%	1	25.0%	4	100.0%
An ability to communicate effectively, including both written and verbal communication skills	2	50.0%	1	25.0%	1	25.0%	4	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	1	25.0%	2	50.0%	1	25.0%	4	100.0%
A knowledge of contemporary issues	1	25.0%	2	50.0%	1	25.0%	4	100.0%
An ability to use the techniques, skills, and modern technology necessary for professional practice	1	25.0%	1	25.0%	2	50.0%	4	100.0%
An understanding of the national and international aviation environment	2	50.0%	1	25.0%	1	25.0%	4	100.0%
An ability to apply pertinent knowledge in identifying and solving problems.	3	75.0%	0	.0%	1	25.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate ERAU's preparation
BS Aviation Maintenance Science Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Total	
	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and applied sciences	2	50.0%	2	50.0%	0	.0%	4	100.0%
An ability to analyze and interpret data	1	25.0%	3	75.0%	0	.0%	4	100.0%
An ability to function on multi-disciplinary teams	2	50.0%	1	25.0%	1	25.0%	4	100.0%
An understanding of professional and ethical responsibility	2	50.0%	0	.0%	2	50.0%	4	100.0%
An ability to communicate effectively, including both written and verbal communication skills	1	25.0%	1	25.0%	2	50.0%	4	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	2	50.0%	2	50.0%	0	.0%	4	100.0%
A knowledge of contemporary issues	1	25.0%	2	50.0%	1	25.0%	4	100.0%
An ability to use the techniques, skills, and modern technology necessary for professional practice	1	25.0%	2	50.0%	1	25.0%	4	100.0%
An understanding of the national and international aviation environment	2	50.0%	1	25.0%	1	25.0%	4	100.0%
An ability to apply pertinent knowledge in identifying and solving problems.	3	75.0%	1	25.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

BS Homeland Security

Program-specific Skills: Rate your current ability level
BS Homeland Security Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Develop an ability to work collaboratively, and deliver professional presentations and briefs	4	44.4%	5	55.6%	0	.0%	0	.0%	9	100.0%
Demonstrate recognition of how strategy is formed and influenced and how strategic planning and communication supports national and homeland security	3	33.3%	6	66.7%	0	.0%	0	.0%	9	100.0%
To design, conduct and evaluate exercises applicable to the disciplines of homeland security or defense	4	50.0%	1	12.5%	3	37.5%	0	.0%	8	100.0%
Demonstrate knowledge of contemporary or emergent threats, challenges or issues including natural, manmade and technological hazards	2	25.0%	6	75.0%	0	.0%	0	.0%	8	100.0%
Identify, describe and critically evaluate applicable homeland security or defense technologies	4	57.1%	3	42.9%	0	.0%	0	.0%	7	100.0%
Understand the nature, causes and forms of terrorism, from both a domestic and transnational perspective	1	14.3%	4	57.1%	1	14.3%	1	14.3%	7	100.0%
Identify the main components and actors in the US intelligence community and how intelligence supports homeland security objectives	1	14.3%	5	71.4%	0	.0%	1	14.3%	7	100.0%
Understand infrastructures critical to the US and how best to protect them	3	42.9%	3	42.9%	1	14.3%	0	.0%	7	100.0%
Understand and apply risk management tools to homeland security issues	5	71.4%	2	28.6%	0	.0%	0	.0%	7	100.0%
Understand how environmental security integrates with US national security strategic planning and how it affects global security	3	42.9%	3	42.9%	0	.0%	1	14.3%	7	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate usefulness to current job or goal
BS Homeland Security Daytona Beach

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Develop an ability to work collaboratively, and deliver professional presentations and briefs	2	28.6%	4	57.1%	1	14.3%	0	.0%	7	100.0%
Demonstrate recognition of how strategy is formed and influenced and how strategic planning and communication supports national and homeland security	2	28.6%	4	57.1%	0	.0%	1	14.3%	7	100.0%
To design, conduct and evaluate exercises applicable to the disciplines of homeland security or defense	1	14.3%	2	28.6%	3	42.9%	1	14.3%	7	100.0%
Demonstrate knowledge of contemporary or emergent threats, challenges or issues including natural, manmade and technological hazards	4	57.1%	2	28.6%	0	.0%	1	14.3%	7	100.0%
Identify, describe and critically evaluate applicable homeland security or defense technologies	3	42.9%	3	42.9%	0	.0%	1	14.3%	7	100.0%
Understand the nature, causes and forms of terrorism, from both a domestic and transnational perspective	1	14.3%	1	14.3%	3	42.9%	2	28.6%	7	100.0%
Identify the main components and actors in the US intelligence community and how intelligence supports homeland security objectives	0	.0%	1	14.3%	3	42.9%	3	42.9%	7	100.0%
Understand infrastructures critical to the US and how best to protect them	5	71.4%	1	14.3%	0	.0%	1	14.3%	7	100.0%
Understand and apply risk management tools to homeland security issues	3	42.9%	3	42.9%	0	.0%	1	14.3%	7	100.0%
Understand how environmental security integrates with US national security strategic planning and how it affects global security	4	57.1%	2	28.6%	0	.0%	1	14.3%	7	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate ERAU's preparation
BS Homeland Security Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Develop an ability to work collaboratively, and deliver professional presentations and briefs	5	71.4%	2	28.6%	0	.0%	0	.0%	7	100.0%
Demonstrate recognition of how strategy is formed and influenced and how strategic planning and communication supports national and homeland security	5	62.5%	3	37.5%	0	.0%	0	.0%	8	100.0%
To design, conduct and evaluate exercises applicable to the disciplines of homeland security or defense	4	57.1%	1	14.3%	2	28.6%	0	.0%	7	100.0%
Demonstrate knowledge of contemporary or emergent threats, challenges or issues including natural, manmade and technological hazards	4	57.1%	0	.0%	3	42.9%	0	.0%	7	100.0%
Identify, describe and critically evaluate applicable homeland security or defense technologies	4	57.1%	1	14.3%	2	28.6%	0	.0%	7	100.0%
Understand the nature, causes and forms of terrorism, from both a domestic and transnational perspective	4	57.1%	0	.0%	2	28.6%	1	14.3%	7	100.0%
Identify the main components and actors in the US intelligence community and how intelligence supports homeland security objectives	3	42.9%	3	42.9%	0	.0%	1	14.3%	7	100.0%
Understand infrastructures critical to the US and how best to protect them	2	28.6%	3	42.9%	2	28.6%	0	.0%	7	100.0%
Understand and apply risk management tools to homeland security issues	3	42.9%	4	57.1%	0	.0%	0	.0%	7	100.0%
Understand how environmental security integrates with US national security strategic planning and how it affects global security	2	28.6%	4	57.1%	0	.0%	1	14.3%	7	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

College of Business

BA Business Administration

Program-specific Skills: Rate your current ability level
BS Business Administration Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Applying management theory/concepts into a dynamic organizational environment	2	40.0%	3	60.0%	0	.0%	0	.0%	5	100.0%
Applying accounting and financial information for decision making in a for-profit and not-for-profit entity	2	40.0%	2	40.0%	0	.0%	1	20.0%	5	100.0%
Integrate knowledge of macro- and micro-economics into managerial decision making	1	20.0%	3	60.0%	1	20.0%	0	.0%	5	100.0%
Applying statistical and/or quantitative techniques to problem solving in organizations	1	20.0%	3	60.0%	0	.0%	1	20.0%	5	100.0%
Integrate marketing concepts/practices into executing global market strategies	2	40.0%	3	60.0%	0	.0%	0	.0%	5	100.0%
Formulate business decisions by incorporating ethical standards and principles	4	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%
Access, analyze, and communicate information using multiple means/media	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
Understands the nature of business ethics and the role of social responsibility	4	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate usefulness to current job or goal
BS Business Administration Daytona Beach

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Applying management theory/concepts into a dynamic organizational environment	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%
Applying accounting and financial information for decision making in a for-profit and not-for-profit entity	2	40.0%	2	40.0%	0	.0%	1	20.0%	5	100.0%
Integrate knowledge of macro- and micro-economics into managerial decision making	2	40.0%	1	20.0%	1	20.0%	1	20.0%	5	100.0%
Applying statistical and/or quantitative techniques to problem solving in organizations	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%
Integrate marketing concepts/practices into executing global market strategies	2	40.0%	0	.0%	0	.0%	3	60.0%	5	100.0%
Formulate business decisions by incorporating ethical standards and principles	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
Access, analyze, and communicate information using multiple means/media	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
Understands the nature of business ethics and the role of social responsibility	3	60.0%	1	20.0%	0	.0%	1	20.0%	5	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate ERAU's preparation
BS Business Administration Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Applying management theory/concepts into a dynamic organizational environment	1	20.0%	4	80.0%	0	.0%	0	.0%	5	100.0%
Applying accounting and financial information for decision making in a for-profit and not-for-profit entity	1	20.0%	3	60.0%	0	.0%	1	20.0%	5	100.0%
Integrate knowledge of macro- and micro-economics into managerial decision making	1	20.0%	2	40.0%	2	40.0%	0	.0%	5	100.0%
Applying statistical and/or quantitative techniques to problem solving in organizations	0	.0%	1	20.0%	3	60.0%	1	20.0%	5	100.0%
Integrate marketing concepts/practices into executing global market strategies	0	.0%	4	80.0%	0	.0%	1	20.0%	5	100.0%
Formulate business decisions by incorporating ethical standards and principles	1	20.0%	3	60.0%	1	20.0%	0	.0%	5	100.0%
Access, analyze, and communicate information using multiple means/media	0	.0%	3	60.0%	2	40.0%	0	.0%	5	100.0%
Understands the nature of business ethics and the role of social responsibility	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

M Business Administration

Program-specific Skills: Rate your current ability level
M Business Administration Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Apply key organizational concepts of group dynamics, leadership, conflict resolution, ethics and motivation in implementing organizational goals	5	55.6%	4	44.4%	0	.0%	0	.0%	9	100.0%
Apply the concepts and strategies involved in planning, implementing and controlling, a marketing plan with special emphasis on aviation/aerospace organizations	6	66.7%	2	22.2%	1	11.1%	0	.0%	9	100.0%
Analyze financial statements and utilize corporate finance concepts and techniques in decision making within organizations	3	33.3%	4	44.4%	2	22.2%	0	.0%	9	100.0%
Access, analyze, and communicate information using multiple means/media	6	66.7%	3	33.3%	0	.0%	0	.0%	9	100.0%
Apply statistical and quantitative analysis to solve business problems	4	44.4%	1	11.1%	3	33.3%	1	11.1%	9	100.0%
Integrate knowledge of macro- and micro-economic concepts to support aviation/aerospace operations	5	55.6%	2	22.2%	1	11.1%	1	11.1%	9	100.0%
Formulate and execute strategies and policies required to achieve organizational goals in the competitive environment of airlines, airports, aerospace, manufacturing, and government	6	66.7%	0	.0%	3	33.3%	0	.0%	9	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

Program-specific Skills: Rate usefulness to current job or goal
M Business Administration Daytona Beach

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Apply key organizational concepts of group dynamics, leadership, conflict resolution, ethics and motivation in implementing organizational goals	7	77.8%	1	11.1%	1	11.1%	0	.0%	9	100.0%
Apply the concepts and strategies involved in planning, implementing and controlling, a marketing plan with special emphasis on aviation/aerospace organizations	4	44.4%	3	33.3%	2	22.2%	0	.0%	9	100.0%
Analyze financial statements and utilize corporate finance concepts and techniques in decision making within organizations	4	44.4%	3	33.3%	2	22.2%	0	.0%	9	100.0%
Access, analyze, and communicate information using multiple means/media	7	77.8%	1	11.1%	1	11.1%	0	.0%	9	100.0%
Apply statistical and quantitative analysis to solve business problems	5	55.6%	2	22.2%	2	22.2%	0	.0%	9	100.0%
Integrate knowledge of macro- and micro-economic concepts to support aviation/aerospace operations	4	44.4%	2	22.2%	3	33.3%	0	.0%	9	100.0%
Formulate and execute strategies and policies required to achieve organizational goals in the competitive environment of airlines, airports, aerospace, manufacturing, and government	4	44.4%	4	44.4%	0	.0%	1	11.1%	9	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate ERAU's preparation
M Business Administration Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Apply key organizational concepts of group dynamics, leadership, conflict resolution, ethics and motivation in implementing organizational goals	3	33.3%	4	44.4%	1	11.1%	1	11.1%	9	100.0%
Apply the concepts and strategies involved in planning, implementing and controlling, a marketing plan with special emphasis on aviation/aerospace organizations	4	44.4%	1	11.1%	1	11.1%	3	33.3%	9	100.0%
Analyze financial statements and utilize corporate finance concepts and techniques in decision making within organizations	3	33.3%	2	22.2%	3	33.3%	1	11.1%	9	100.0%
Access, analyze, and communicate information using multiple means/media	4	44.4%	2	22.2%	3	33.3%	0	.0%	9	100.0%
Apply statistical and quantitative analysis to solve business problems	4	44.4%	0	.0%	3	33.3%	2	22.2%	9	100.0%
Integrate knowledge of macro- and micro-economic concepts to support aviation/aerospace operations	5	55.6%	1	11.1%	3	33.3%	0	.0%	9	100.0%
Formulate and execute strategies and policies required to achieve organizational goals in the competitive environment of airlines, airports, aerospace, manufacturing, and government	4	44.4%	1	11.1%	3	33.3%	1	11.1%	9	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

College of Engineering

BS Aerospace Engineering

Program-specific Skills: Rate your current ability level
BS Aerospace Engineering Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of mathematics and physical science	11	45.8%	11	45.8%	2	8.3%	0	.0%	24	100.0%
Knowledge of fundamental engineering sciences	12	50.0%	9	37.5%	3	12.5%	0	.0%	24	100.0%
Design and conduct experiments	6	25.0%	10	41.7%	8	33.3%	0	.0%	24	100.0%
Analyze and interpret experimental data	6	25.0%	12	50.0%	6	25.0%	0	.0%	24	100.0%
Knowledge of aerodynamics	5	21.7%	12	52.2%	4	17.4%	2	8.7%	23	100.0%
Knowledge of aircraft performance	5	20.8%	9	37.5%	8	33.3%	2	8.3%	24	100.0%
Knowledge of flight mechanics or spacecraft dynamics	4	16.7%	12	50.0%	7	29.2%	1	4.2%	24	100.0%
Knowledge of aerospace materials	4	16.7%	12	50.0%	8	33.3%	0	.0%	24	100.0%
Knowledge of aircraft or spacecraft structures	9	40.9%	8	36.4%	5	22.7%	0	.0%	22	100.0%
Knowledge of propulsion	4	16.7%	10	41.7%	8	33.3%	2	8.3%	24	100.0%
Knowledge of orbital mechanics	2	8.3%	6	25.0%	10	41.7%	6	25.0%	24	100.0%
Knowledge of control systems	1	4.2%	6	25.0%	14	58.3%	3	12.5%	24	100.0%
Knowledge of circuits, electronics, or instrumentation	1	4.2%	7	29.2%	11	45.8%	5	20.8%	24	100.0%
Identify, formulate, and solve engineering problems	9	37.5%	14	58.3%	1	4.2%	0	.0%	24	100.0%
Use computer aided engineering and programming tools	10	41.7%	11	45.8%	0	.0%	3	12.5%	24	100.0%
Design an aircraft or spacecraft system, component, or mission to meet desired needs	7	29.2%	8	33.3%	7	29.2%	2	8.3%	24	100.0%
Understand the impact of engineering decisions on society and the environment	6	25.0%	8	33.3%	8	33.3%	2	8.3%	24	100.0%
Understand professional and ethical responsibility	11	45.8%	11	45.8%	2	8.3%	0	.0%	24	100.0%
Recognize the need to continue professional development throughout one's career	11	45.8%	10	41.7%	3	12.5%	0	.0%	24	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

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

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of mathematics and physical science	11	47.8%	6	26.1%	5	21.7%	1	4.3%	23	100.0%
Knowledge of fundamental engineering sciences	11	47.8%	7	30.4%	4	17.4%	1	4.3%	23	100.0%
Design and conduct experiments	5	21.7%	8	34.8%	7	30.4%	3	13.0%	23	100.0%
Analyze and interpret experimental data	6	27.3%	9	40.9%	5	22.7%	2	9.1%	22	100.0%
Knowledge of aerodynamics	7	31.8%	8	36.4%	4	18.2%	3	13.6%	22	100.0%
Knowledge of aircraft performance	7	30.4%	8	34.8%	6	26.1%	2	8.7%	23	100.0%
Knowledge of flight mechanics or spacecraft dynamics	8	33.3%	3	12.5%	10	41.7%	3	12.5%	24	100.0%
Knowledge of aerospace materials	8	34.8%	10	43.5%	3	13.0%	2	8.7%	23	100.0%
Knowledge of aircraft or spacecraft esstructur	10	45.5%	5	22.7%	5	22.7%	2	9.1%	22	100.0%
Knowledge of propulsion	6	26.1%	9	39.1%	5	21.7%	3	13.0%	23	100.0%
Knowledge of orbital mechanics	3	13.0%	4	17.4%	6	26.1%	10	43.5%	23	100.0%
Knowledge of control systems	4	16.7%	7	29.2%	6	25.0%	7	29.2%	24	100.0%
Knowledge of circuits, electronics, or instrumentation	5	20.8%	5	20.8%	10	41.7%	4	16.7%	24	100.0%
Identify, formulate, and solve engineering problems	12	50.0%	10	41.7%	1	4.2%	1	4.2%	24	100.0%
Use computer aided engineering and programming tools	15	65.2%	4	17.4%	2	8.7%	2	8.7%	23	100.0%
Design an aircraft or spacecraft system, component, or mission to meet desired needs	10	43.5%	6	26.1%	4	17.4%	3	13.0%	23	100.0%
Understand the impact of engineering decisions on society and the environment	7	30.4%	7	30.4%	5	21.7%	4	17.4%	23	100.0%
Understand professional and ethical responsibility	11	47.8%	11	47.8%	0	.0%	1	4.3%	23	100.0%
Recognize the need to continue professional development throughout one's career	13	56.5%	10	43.5%	0	.0%	0	.0%	23	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge of mathematics and physical science	12	52.2%	9	39.1%	2	8.7%	0	.0%	23	100.0%
Knowledge of fundamental engineering sciences	13	56.5%	7	30.4%	3	13.0%	0	.0%	23	100.0%
Design and conduct experiments	5	21.7%	9	39.1%	8	34.8%	1	4.3%	23	100.0%
Analyze and interpret experimental data	9	40.9%	6	27.3%	5	22.7%	2	9.1%	22	100.0%
Knowledge of aerodynamics	8	36.4%	9	40.9%	4	18.2%	1	4.5%	22	100.0%
Knowledge of aircraft performance	8	34.8%	6	26.1%	7	30.4%	2	8.7%	23	100.0%
Knowledge of flight mechanics or spacecraft dynamics	7	29.2%	10	41.7%	5	20.8%	2	8.3%	24	100.0%
Knowledge of aerospace materials	5	21.7%	10	43.5%	8	34.8%	0	.0%	23	100.0%
Knowledge of aircraft or spacecraft structures	8	36.4%	9	40.9%	5	22.7%	0	.0%	22	100.0%
Knowledge of propulsion	6	26.1%	11	47.8%	5	21.7%	1	4.3%	23	100.0%
Knowledge of orbital mechanics	4	16.7%	9	37.5%	9	37.5%	2	8.3%	24	100.0%
Knowledge of control systems	4	16.7%	9	37.5%	7	29.2%	4	16.7%	24	100.0%
Knowledge of circuits, electronics, or instrumentation	3	12.5%	12	50.0%	7	29.2%	2	8.3%	24	100.0%
Identify, formulate, and solve engineering problems	11	45.8%	7	29.2%	5	20.8%	1	4.2%	24	100.0%
Use computer aided engineering and programming tools	5	21.7%	10	43.5%	5	21.7%	3	13.0%	23	100.0%
Design an aircraft or spacecraft system, component, or mission to meet desired needs	7	30.4%	9	39.1%	6	26.1%	1	4.3%	23	100.0%
Understand the impact of engineering decisions on society and the environment	6	26.1%	4	17.4%	10	43.5%	3	13.0%	23	100.0%
Understand professional and ethical responsibility	9	39.1%	6	26.1%	7	30.4%	1	4.3%	23	100.0%
Recognize the need to continue professional development throughout one's career	9	39.1%	10	43.5%	3	13.0%	1	4.3%	23	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

BS Electrical Engineering

Program-specific Skills: Rate your current ability level
BS Electrical Engineering Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Apply knowledge of mathematics, science, and engineering.	1	33.3%	2	66.7%	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 data.	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
Design a system, component, or process to meet desired needs within realistic constraints (e.g., economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability).	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Function on multidisciplinary teams Identify, formulate, and solve engineering problems.	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
Understand professional and ethical responsibility.	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
Communicate effectively.	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
Understand the impact of engineering solutions in a global, economic, environmental, and societal context.	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
Recognize of the need for and engage in life-long learning.	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
Understand contemporary issues in software engineering.	1	33.3%	1	33.3%	0	.0%	1	33.3%	3	100.0%
Use the techniques, skills, and modern engineering tools necessary for engineering practice.	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

Program-specific Skills: Rate usefulness to current job or goal
BS Electrical Engineering Daytona Beach

	Very Useful		Useful		Not Very Useful		Total	
	#	%	#	%	#	%	#	%
Apply knowledge of mathematics, science, and engineering.	2	66.7%	1	33.3%	0	.0%	3	100.0%
Design and conduct experiments.	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Analyze and interpret data.	2	66.7%	1	33.3%	0	.0%	3	100.0%
Design a system, component, or process to meet desired needs within realistic constraints (e.x., economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability).	1	33.3%	2	66.7%	0	.0%	3	100.0%
Function on multidisciplinary teams Identify, formulate, and solve engineering problems.	2	66.7%	1	33.3%	0	.0%	3	100.0%
Understand professional and ethical responsibility.	3	100.0%	0	.0%	0	.0%	3	100.0%
Communicate effectively.	3	100.0%	0	.0%	0	.0%	3	100.0%
Understand the impact of engineering solutions in a global, economic, environmental, and societal context.	0	.0%	2	66.7%	1	33.3%	3	100.0%
Recognize of the need for and engage in life-long learning.	1	33.3%	2	66.7%	0	.0%	3	100.0%
Understand contemporary issues in software engineering.	0	.0%	1	33.3%	2	66.7%	3	100.0%
Use the techniques, skills, and modern engineering tools necessary for engineering practice.	2	66.7%	1	33.3%	0	.0%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate ERAU's preparation
BS Electrical Engineering Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Total	
	#	%	#	%	#	%	#	%
Apply knowledge of mathematics, science, and engineering.	2	66.7%	1	33.3%	0	.0%	3	100.0%
Design and conduct experiments.	1	33.3%	2	66.7%	0	.0%	3	100.0%
Analyze and interpret data.	3	100.0%	0	.0%	0	.0%	3	100.0%
Design a system, component, or process to meet desired needs within realistic constraints (e.g., economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability).	2	66.7%	0	.0%	1	33.3%	3	100.0%
Function on multidisciplinary teams Identify, formulate, and solve engineering problems.	2	66.7%	0	.0%	1	33.3%	3	100.0%
Understand professional and ethical responsibility.	2	66.7%	0	.0%	1	33.3%	3	100.0%
Communicate effectively.	1	33.3%	2	66.7%	0	.0%	3	100.0%
Understand the impact of engineering solutions in a global, economic, environmental, and societal context.	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Recognize of the need for and engage in life-long learning.	3	100.0%	0	.0%	0	.0%	3	100.0%
Understand contemporary issues in software engineering.	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Use the techniques, skills, and modern engineering tools necessary for engineering practice.	1	33.3%	2	66.7%	0	.0%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

BS Mechanical Engineering

Program-specific Skills: Rate your current ability level
BS Mechanical Engineering Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics (including multivariable calculus, differential equations, linear algebra, and statistics) science (including chemistry and in-depth calculus-based physics), and engineering	1	25.0%	3	75.0%	0	.0%	0	.0%	4	100.0%
An ability to design and conduct experiments, as well as analyze and interpret data	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%
An ability to design and realize a thermal or mechanical system, component, or process to meet desired needs	1	25.0%	2	50.0%	1	25.0%	0	.0%	4	100.0%
An ability to function on multi-disciplinary teams	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%
An ability to identify, formulate, and solve engineering problems	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
An understanding of professional and ethical responsibility	3	75.0%	0	.0%	1	25.0%	0	.0%	4	100.0%
An ability to communicate effectively	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%
The broad education needed to understand the impact of engineering solutions in a global and societal context	0	.0%	1	25.0%	3	75.0%	0	.0%	4	100.0%
A recognition of, and an ability to engage in life-long learning	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
A knowledge of contemporary issues	1	25.0%	2	50.0%	0	.0%	1	25.0%	4	100.0%
An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

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

	Very Well		Well		Moderately Well		Not Very Well		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics (including multivariable calculus, differential equations, linear algebra, and statistics) science (including chemistry and in-depth calculus-based physics), and engineering	0	.0%	1	25.0%	2	50.0%	1	25.0%	4	100.0%
An ability to design and conduct experiments, as well as analyze and interpret data	3	75.0%	0	.0%	0	.0%	1	25.0%	4	100.0%
An ability to design and realize a thermal or mechanical system, component, or process to meet desired needs	1	25.0%	1	25.0%	0	.0%	2	50.0%	4	100.0%
An ability to function on multi-disciplinary teams	2	50.0%	1	25.0%	0	.0%	1	25.0%	4	100.0%
An ability to identify, formulate, and solve engineering problems	3	75.0%	0	.0%	0	.0%	1	25.0%	4	100.0%
An understanding of professional and ethical responsibility	2	50.0%	0	.0%	1	25.0%	1	25.0%	4	100.0%
An ability to communicate effectively	2	50.0%	1	25.0%	0	.0%	1	25.0%	4	100.0%
The broad education needed to understand the impact of engineering solutions in a global and societal context	1	25.0%	0	.0%	1	25.0%	2	50.0%	4	100.0%
A recognition of, and an ability to engage in life-long learning	2	50.0%	1	25.0%	0	.0%	1	25.0%	4	100.0%
A knowledge of contemporary issues	1	25.0%	0	.0%	1	25.0%	2	50.0%	4	100.0%
An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	3	75.0%	0	.0%	0	.0%	1	25.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics (including multivariable calculus, differential equations, linear algebra, and statistics) science (including chemistry and in-depth calculus-based physics), and engineering	1	25.0%	3	75.0%	0	.0%	0	.0%	4	100.0%
An ability to design and conduct experiments, as well as analyze and interpret data	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
An ability to design and realize a thermal or mechanical system, component, or process to meet desired needs	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
An ability to function on multi-disciplinary teams	1	25.0%	3	75.0%	0	.0%	0	.0%	4	100.0%
An ability to identify, formulate, and solve engineering problems	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%
An understanding of professional and ethical responsibility	1	25.0%	0	.0%	3	75.0%	0	.0%	4	100.0%
An ability to communicate effectively	1	25.0%	1	25.0%	2	50.0%	0	.0%	4	100.0%
The broad education needed to understand the impact of engineering solutions in a global and societal context	0	.0%	0	.0%	2	50.0%	2	50.0%	4	100.0%
A recognition of, and an ability to engage in life-long learning	1	25.0%	3	75.0%	0	.0%	0	.0%	4	100.0%
A knowledge of contemporary issues	1	25.0%	2	50.0%	1	25.0%	0	.0%	4	100.0%
An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	2	50.0%	1	25.0%	1	25.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

M/MS Aerospace Engineering

Program-specific Skills: Rate your current ability level
M/MS Aerospace Engineering Daytona Beach

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Ability to analyze and solve engineering problems	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
In one or more of the following subject areas: aerodynamics, aerospace materials, computational methods, controls, propulsion and structures	2	40.0%	3	60.0%	0	.0%	0	.0%	5	100.0%
Preparation for a career in the aerospace industry	1	20.0%	2	40.0%	1	20.0%	1	20.0%	5	100.0%
Preparation for further study	2	40.0%	1	20.0%	1	20.0%	1	20.0%	5	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Program-specific Skills: Rate usefulness to current job or goal
M/MS Aerospace Engineering Daytona Beach

	Very Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%
Ability to analyze and solve engineering problems	2	50.0%	1	25.0%	1	25.0%	4	100.0%
In one or more of the following subject areas: aerodynamics, aerospace materials, computational methods, controls, propulsion and structures	2	50.0%	1	25.0%	1	25.0%	4	100.0%
Preparation for a career in the aerospace industry	3	75.0%	0	.0%	1	25.0%	4	100.0%
Preparation for further study	1	25.0%	1	25.0%	2	50.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

Program-specific Skills: Rate ERAU's preparation
M/MS Aerospacee Engineering Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Ability to analyze and solve engineering problems	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
In one or more of the following subject areas: aerodynamics, aerospace materials, computational methods, controls, propulsion and structures	1	20.0%	4	80.0%	0	.0%	0	.0%	5	100.0%
Preparation for a career in the aerospace industry	1	20.0%	1	20.0%	1	20.0%	2	40.0%	5	100.0%
Preparation for further study	2	40.0%	1	20.0%	0	.0%	2	40.0%	5	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

Prescott

College of Aviation

Aeronautical Science

Program-specific Skills: Rate your current ability level
BS Aeronautical Science Prescott

	Very High Ability		High Ability		Total	
	#	%	#	%	#	%
Understanding aerodynamic performance of aircraft powered by reciprocating and turbine engines	3	75.0%	1	25.0%	4	100.0%
Use of electronic navigation and flight control systems	3	75.0%	1	25.0%	4	100.0%
Crew coordination (cockpit resource management)	2	50.0%	2	50.0%	4	100.0%
Knowledge of flight physiology, awareness of flight psychology (human factors)	3	75.0%	1	25.0%	4	100.0%
Understanding of safety issues, employment of accident prevention techniques, safety program practices and management, and mishap investigation	2	50.0%	2	50.0%	4	100.0%
Understanding the concepts and process of meteorology	3	75.0%	1	25.0%	4	100.0%
Instrument flight skill	3	75.0%	1	25.0%	4	100.0%
Multiengine/high performance aircraft operations	3	75.0%	1	25.0%	4	100.0%
Knowledge of Federal Aviation Regulations	3	75.0%	1	25.0%	4	100.0%
Aeronautical decision making (judgment skills)	3	75.0%	1	25.0%	4	100.0%
Actions, attitudes, and knowledge of security considerations	3	75.0%	1	25.0%	4	100.0%
Dealing with integrity issues	2	50.0%	2	50.0%	4	100.0%
Development of moral character	3	75.0%	1	25.0%	4	100.0%
Assertiveness in a leadership or subordinate role	2	50.0%	2	50.0%	4	100.0%
Ground/Flight training aptitude	4	100.0%	0	.0%	4	100.0%
Ability to adapt to and understand Ground/Flight training for initial aviation position	4	100.0%	0	.0%	4	100.0%
Foundation for understanding complex aircraft systems/navigation/operation in future aviation positions	4	100.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

Alumni Survey
One Year after Graduation
Class of 2010

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

	Very Useful		Useful		Not Very Useful		Total	
	#	%	#	%	#	%	#	%
Understanding aerodynamic performance of aircraft powered by reciprocating and turbine engines	2	50.0%	1	25.0%	1	25.0%	4	100.0%
Use of electronic navigation and flight control systems	3	75.0%	1	25.0%	0	.0%	4	100.0%
Crew coordination (cockpit resource management)	3	75.0%	1	25.0%	0	.0%	4	100.0%
Knowledge of flight physiology, awareness of flight psychology (human factors)	3	75.0%	1	25.0%	0	.0%	4	100.0%
Understanding of safety issues, employment of accident prevention techniques, safety program practices and management, and mishap investigation	2	50.0%	2	50.0%	0	.0%	4	100.0%
Understanding the concepts and process of meteorology	2	50.0%	2	50.0%	0	.0%	4	100.0%
Instrument flight skill	3	75.0%	0	.0%	1	25.0%	4	100.0%
Multiengine/high performance aircraft operations	3	75.0%	1	25.0%	0	.0%	4	100.0%
Knowledge of Federal Aviation Regulations	3	75.0%	1	25.0%	0	.0%	4	100.0%
Aeronautical decision making (judgment skills)	3	75.0%	1	25.0%	0	.0%	4	100.0%
Actions, attitudes, and knowledge of security considerations	2	50.0%	1	25.0%	1	25.0%	4	100.0%
Dealing with integrity issues	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Development of moral character	1	25.0%	3	75.0%	0	.0%	4	100.0%
Assertiveness in a leadership or subordinate role	3	75.0%	1	25.0%	0	.0%	4	100.0%
Ground/Flight training aptitude	3	75.0%	1	25.0%	0	.0%	4	100.0%
Ability to adapt to and understand Ground/Flight training for initial aviation position	3	75.0%	0	.0%	1	25.0%	4	100.0%
Foundation for understanding complex aircraft systems/navigation/operation in future aviation positions	3	75.0%	1	25.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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

	Very High Preparation		High Preparation		Moderate Preparation		Total	
	#	%	#	%	#	%	#	%
Understanding aerodynamic performance of aircraft powered by reciprocating and turbine engines	4	100.0%	0	.0%	0	.0%	4	100.0%
Use of electronic navigation and flight control systems	4	100.0%	0	.0%	0	.0%	4	100.0%
Crew coordination (cockpit resource management)	3	75.0%	1	25.0%	0	.0%	4	100.0%
Knowledge of flight physiology, awareness of flight psychology (human factors)	4	100.0%	0	.0%	0	.0%	4	100.0%
Understanding of safety issues, employment of accident prevention techniques, safety program practices and management, and mishap investigation	4	100.0%	0	.0%	0	.0%	4	100.0%
Understanding the concepts and process of meteorology	3	75.0%	1	25.0%	0	.0%	4	100.0%
Instrument flight skill	4	100.0%	0	.0%	0	.0%	4	100.0%
Multiengine/high performance aircraft operations	4	100.0%	0	.0%	0	.0%	4	100.0%
Knowledge of Federal Aviation Regulations	3	75.0%	1	25.0%	0	.0%	4	100.0%
Aeronautical decision making (judgment skills)	4	100.0%	0	.0%	0	.0%	4	100.0%
Actions, attitudes, and knowledge of security considerations	2	50.0%	1	25.0%	1	25.0%	4	100.0%
Dealing with integrity issues	1	25.0%	2	50.0%	1	25.0%	4	100.0%
Development of moral character	2	50.0%	2	50.0%	0	.0%	4	100.0%
Assertiveness in a leadership or subordinate role	2	50.0%	1	25.0%	1	25.0%	4	100.0%
Ground/Flight training aptitude	4	100.0%	0	.0%	0	.0%	4	100.0%
Ability to adapt to and understand Ground/Flight training for initial aviation position	4	100.0%	0	.0%	0	.0%	4	100.0%
Foundation for understanding complex aircraft systems/navigation/operation in future aviation positions	4	100.0%	0	.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

Aeronautics

Program-specific Skills: Rate your current ability level
BS Aeronautics Prescott

	Very High Ability		High Ability		Moderate Ability		Little Ability		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge and understanding of aviation law and regulations	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
Understanding and application of management theory/concepts	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
Knowldege and Understanding of economic principles	2	50.0%	1	25.0%	1	25.0%	0	.0%	4	100.0%
Use of statistical/quantitative techniques to solve problems	2	50.0%	1	25.0%	0	.0%	1	25.0%	4	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%
Knowledge and understanding of the many facets of the aviation industry	2	100.0%	0	.0%	0	.0%	0	.0%	2	100.0%
Dealing with integrity issues	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
Development of moral character	4	100.0%	0	.0%	0	.0%	0	.0%	4	100.0%
Assertiveness in a leadership or subordinate role	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%
Knowledge of scientific principles	2	50.0%	1	25.0%	1	25.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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	3	75.0%	0	.0%	0	.0%	1	25.0%	4	100.0%
Understanding and application of management theory/concepts	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
Knowldege and Understanding of economic principles	1	25.0%	1	25.0%	2	50.0%	0	.0%	4	100.0%
Use of statistical/quantitative techniques to solve problems	1	25.0%	1	25.0%	1	25.0%	1	25.0%	4	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	2	50.0%	1	25.0%	0	.0%	1	25.0%	4	100.0%
Knowledge and understanding of the many facets of the aviation industry	2	66.7%	0	.0%	0	.0%	1	33.3%	3	100.0%
Dealing with integrity issues	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
Development of moral character	4	100.0%	0	.0%	0	.0%	0	.0%	4	100.0%
Assertiveness in a leadership or subordinate role	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	3	75.0%	1	25.0%	0	.0%	0	.0%	4	100.0%
Knowledge of scientific principles	2	50.0%	0	.0%	2	50.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%
Understanding and application of management theory/concepts	3	75.0%	0	.0%	1	25.0%	0	.0%	4	100.0%
Knowldege and Understanding of economic principles	2	50.0%	1	25.0%	0	.0%	1	25.0%	4	100.0%
Use of statistical/quantitative techniques to solve problems	2	50.0%	1	25.0%	0	.0%	1	25.0%	4	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%
Knowledge and understanding of the many facets of the aviation industry	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
Dealing with integrity issues	0	.0%	2	50.0%	2	50.0%	0	.0%	4	100.0%
Development of moral character	1	25.0%	1	25.0%	2	50.0%	0	.0%	4	100.0%
Assertiveness in a leadership or subordinate role	1	25.0%	1	25.0%	1	25.0%	1	25.0%	4	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	1	25.0%	1	25.0%	2	50.0%	0	.0%	4	100.0%
Knowledge of scientific principles	2	50.0%	2	50.0%	0	.0%	0	.0%	4	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

College of Arts& Sciences

BS Global Security & Intelligence Studies

Program-specific Skills: Rate your current ability level
BS Global Security & Intelligence Studies Prescott

	Very High Ability		High Ability		Moderate Ability		Total	
	#	%	#	%	#	%	#	%
Capability to write in the clear and precise formats required in the Intelligence and Security Communities, both public and private	4	80.0%	0	.0%	1	20.0%	5	100.0%
Ability to present oral briefings at a level comparable to those characteristic of the military, national security, intelligence, and corporate communities	3	60.0%	1	20.0%	1	20.0%	5	100.0%
A strong capacity to think critically and imaginatively to interpret the implications of developments critical to the national and/or corporate security	3	60.0%	1	20.0%	1	20.0%	5	100.0%
To work effectively in teams on breaking issues, simulations and war gaming, emergency planning and management, and aviation security management	3	60.0%	2	40.0%	0	.0%	5	100.0%
-Demonstrate basic oral competence and reading comprehension in a foreign language	2	40.0%	1	20.0%	2	40.0%	5	100.0%
Capacity to perform criminal justice investigations and crime scene forensic examinations	1	20.0%	1	20.0%	3	60.0%	5	100.0%
Demonstrate an understanding of the institutional and regulatory frameworks in the national security arenas, including aviation	0	.0%	5	100.0%	0	.0%	5	100.0%
Demonstrate an overall knowledge of the Government of the United States, its Constitution and Laws	0	.0%	4	80.0%	1	20.0%	5	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	3	60.0%	0	.0%	2	40.0%	5	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
Ability to present oral briefings at a level comparable to those characteristic of the military, national security, intelligence, and corporate communities	4	80.0%	0	.0%	0	.0%	1	20.0%	5	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	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%
To work effectively in teams on breaking issues, simulations and war gaming, emergency planning and management, and aviation security management	5	100.0%	0	.0%	0	.0%	0	.0%	5	100.0%
-Demonstrate basic oral competence and reading comprehension in a foreign language	2	40.0%	2	40.0%	0	.0%	1	20.0%	5	100.0%
Capacity to perform criminal justice investigations and crime scene forensic examinations	1	20.0%	1	20.0%	2	40.0%	1	20.0%	5	100.0%
Demonstrate an understanding of the institutional and regulatory frameworks in the national security arenas, including aviation	2	40.0%	2	40.0%	1	20.0%	0	.0%	5	100.0%
Demonstrate an overall knowledge of the Government of the United States, its Constitution and Laws	1	20.0%	2	40.0%	2	40.0%	0	.0%	5	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	2	40.0%	3	60.0%	0	.0%	0	.0%	5	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%
Ability to present oral briefings at a level comparable to those characteristic of the military, national security, intelligence, and corporate communities	2	40.0%	2	40.0%	0	.0%	1	20.0%	5	100.0%
A strong capacity to think critically and imaginatively to interpret the implications of developments critical to the national and/or corporate security	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%
To work effectively in teams on breaking issues, simulations and war gaming, emergency planning and management, and aviation security management	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
-Demonstrate basic oral competence and reading comprehension in a foreign language	1	20.0%	2	40.0%	2	40.0%	0	.0%	5	100.0%
Capacity to perform criminal justice investigations and crime scene forensic examinations	0	.0%	4	80.0%	1	20.0%	0	.0%	5	100.0%
Demonstrate an understanding of the institutional and regulatory frameworks in the national security arenas, including aviation	0	.0%	5	100.0%	0	.0%	0	.0%	5	100.0%
Demonstrate an overall knowledge of the Government of the United States, its Constitution and Laws	1	20.0%	3	60.0%	1	20.0%	0	.0%	5	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	4	80.0%	0	.0%	1	20.0%	0	.0%	5	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

BS Space Physics

Program-specific Skills: Rate your current ability level
BS Space Physics Prescott

	Very High Ability		High Ability		Moderate Ability		Total	
	#	%	#	%	#	%	#	%
Apply knowledge of mathematics and science	3	100.0%	0	.0%	0	.0%	3	100.0%
Design and conduct experiments	2	66.7%	1	33.3%	0	.0%	3	100.0%
Analyze and interpret data	2	66.7%	1	33.3%	0	.0%	3	100.0%
Identify, formulate, and solve scientific problems	2	66.7%	1	33.3%	0	.0%	3	100.0%
Understand professional and ethical responsibility	0	.0%	3	100.0%	0	.0%	3	100.0%
Communicate effectively	0	.0%	2	66.7%	1	33.3%	3	100.0%
Recognize and engage in lifelong learning	1	33.3%	2	66.7%	0	.0%	3	100.0%
Knowledge of contemporary issues	0	.0%	2	66.7%	1	33.3%	3	100.0%
Knowledge of classical mechanics	0	.0%	2	66.7%	1	33.3%	3	100.0%
Knowledge of electricity and magnetism	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Knowledge of space physics	2	66.7%	1	33.3%	0	.0%	3	100.0%
Knowledge of quantum mechanics	1	33.3%	2	66.7%	0	.0%	3	100.0%
Knowledge of planetary science	1	33.3%	2	66.7%	0	.0%	3	100.0%
Knowledge of astrophysics	1	33.3%	2	66.7%	0	.0%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

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

	Very Useful		Useful		Not Very Useful		Total	
	#	%	#	%	#	%	#	%
Apply knowledge of mathematics and science	3	100.0%	0	.0%	0	.0%	3	100.0%
Design and conduct experiments	2	66.7%	1	33.3%	0	.0%	3	100.0%
Analyze and interpret data	1	33.3%	2	66.7%	0	.0%	3	100.0%
Identify, formulate, and solve scientific problems	2	66.7%	1	33.3%	0	.0%	3	100.0%
Understand professional and ethical responsibility	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Communicate effectively	1	33.3%	2	66.7%	0	.0%	3	100.0%
Recognize and engage in lifelong learning	2	66.7%	1	33.3%	0	.0%	3	100.0%
Knowledge of contemporary issues	1	33.3%	0	.0%	2	66.7%	3	100.0%
Knowledge of classical mechanics	1	33.3%	2	66.7%	0	.0%	3	100.0%
Knowledge of electricity and magnetism	0	.0%	3	100.0%	0	.0%	3	100.0%
Knowledge of space physics	2	66.7%	1	33.3%	0	.0%	3	100.0%
Knowledge of quantum mechanics	0	.0%	1	33.3%	2	66.7%	3	100.0%
Knowledge of planetary science	0	.0%	0	.0%	3	100.0%	3	100.0%
Knowledge of astrophysics	0	.0%	0	.0%	3	100.0%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

*Note: Degree programs with less than three respondents are not shown.

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

	Very High Preparation		High Preparation		Moderate Preparation		Total	
	#	%	#	%	#	%	#	%
Apply knowledge of mathematics and science	2	66.7%	1	33.3%	0	.0%	3	100.0%
Design and conduct experiments	3	100.0%	0	.0%	0	.0%	3	100.0%
Analyze and interpret data	2	66.7%	1	33.3%	0	.0%	3	100.0%
Identify, formulate, and solve scientific problems	3	100.0%	0	.0%	0	.0%	3	100.0%
Understand professional and ethical responsibility	1	33.3%	1	33.3%	1	33.3%	3	100.0%
Communicate effectively	0	.0%	3	100.0%	0	.0%	3	100.0%
Recognize and engage in lifelong learning	2	66.7%	1	33.3%	0	.0%	3	100.0%
Knowledge of contemporary issues	0	.0%	3	100.0%	0	.0%	3	100.0%
Knowledge of classical mechanics	2	66.7%	0	.0%	1	33.3%	3	100.0%
Knowledge of electricity and magnetism	1	33.3%	2	66.7%	0	.0%	3	100.0%
Knowledge of space physics	3	100.0%	0	.0%	0	.0%	3	100.0%
Knowledge of quantum mechanics	3	100.0%	0	.0%	0	.0%	3	100.0%
Knowledge of planetary science	2	66.7%	1	33.3%	0	.0%	3	100.0%
Knowledge of astrophysics	3	100.0%	0	.0%	0	.0%	3	100.0%

Source: Alumni Survey, Class of 2010 (1 year after graduation). Institutional Research, 09/12.

College of Engineering

*Note: Degree programs with less than three respondents are not shown.