Alumni Survey, First Year after Graduation

2013

Daytona Beach 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 Homeland Security

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	
	#	%	#	%	#	%	#	%	#	%
Capability for students to work collaboratively and effectively on teams.	4	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%
Capability to deliver professional presentations and briefs.	3	60.0%	1	20.0%	0	.0%	1	20.0%	5	100.0%
Demonstrate the ability to recognize transnational and global homeland security or defense issues, strategies and operations.	1	20.0%	0	.0%	0	.0%	4	80.0%	5	100.0%
Demonstrate the ability to design, conduct and evaluate exercises applicable to the disciplines of homeland security or defense.	0	.0%	0	.0%	1	20.0%	4	80.0%	5	100.0%
Demonstrate knowledge of contemporary or emergent threats, challenges or issues including natural, manmade and technological hazards.	1	20.0%	0	.0%	0	.0%	4	80.0%	5	100.0%
Demonstrate the ability to identify, describe and critically evaluate applicable homeland security or defense technologies.	1	20.0%	0	.0%	0	.0%	4	80.0%	5	100.0%
Demonstrate an understanding of terrorism, its origins, ideologies and goals.	1	20.0%	0	.0%	0	.0%	4	80.0%	5	100.0%
Demonstrate an understanding of infrastructures critical to the US and how best to protect them.	0	.0%	1	20.0%	0	.0%	4	80.0%	5	100.0%
Provide the ability for students to understand and apply risk management tools to homeland security issues.	0	.0%	1	20.0%	0	.0%	4	80.0%	5	100.0%
Demonstrate the ability to analyze environmental sources that destabilize regions and to characterize their relationship to US national security.	0	.0%	0	.0%	1	20.0%	4	80.0%	5	100.0%

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

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

	Very High Preparation		High Preparation		Moderate Preparation		Total	
	#	%	#	%	#	%	#	%
Capability for students to work collaboratively and effectively on teams.	4	80.0%	0	.0%	1	20.0%	5	100.0%
Capability to deliver professional presentations and briefs.	5	100.0%	0	.0%	0	.0%	5	100.0%
Demonstrate the ability to recognize transnational and global homeland security or defense issues, strategies and operations.	3	60.0%	2	40.0%	0	.0%	5	100.0%
Demonstrate the ability to design, conduct and evaluate exercises applicable to the disciplines of homeland security or defense.	2	40.0%	3	60.0%	0	.0%	5	100.0%
Demonstrate knowledge of contemporary or emergent threats, challenges or issues including natural, manmade and technological hazards.	4	80.0%	1	20.0%	0	.0%	5	100.0%
Demonstrate the ability to identify, describe and critically evaluate applicable homeland security or defense technologies.	3	60.0%	1	20.0%	1	20.0%	5	100.0%
Demonstrate an understanding of terrorism, its origins, ideologies and goals.	4	80.0%	1	20.0%	0	.0%	5	100.0%
Demonstrate an understanding of infrastructures critical to the US and how best to protect them.	4	80.0%	1	20.0%	0	.0%	5	100.0%
Provide the ability for students to understand and apply risk management tools to homeland security issues.	4	80.0%	1	20.0%	0	.0%	5	100.0%
Demonstrate the ability to analyze environmental sources that destabilize regions and to characterize their relationship to US national security.	4	80.0%	1	20.0%	0	.0%	5	100.0%

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

BS Applied Meteorology

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

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Ability to apply knowledge of meteorology, math, and the sciences in general to projects, services and assignments	2	40.0%	0	.0%	3	60.0%	0	.0%	5	100.0%
Knowledge and ability to utilize techniques, skills, and computer resources for weather data gathering, analysis, interpretation, and product generation	2	40.0%	2	40.0%	1	20.0%	0	.0%	5	100.0%
Ability to function in teams	4	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%
An understanding of professional and ethical responsibilities	5	100.0%	0	.0%	0	.0%	0	.0%	5	100.0%
Ability to express complex weather concepts in terms that others can understand using both written and verbal communication methods	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	5	100.0%	0	.0%	0	.0%	0	.0%	5	100.0%
A knowledge of contemporary meteorological problems, issues, and programs for both research and user applications	1	20.0%	2	40.0%	2	40.0%	0	.0%	5	100.0%
Ability to use techniques, skills, and modern technology for meteorological professional practices	2	40.0%	0	.0%	3	60.0%	0	.0%	5	100.0%
An understanding of the national and international aviation environment which relate to weather	3	60.0%	0	.0%	1	20.0%	1	20.0%	5	100.0%
Ability to apply pertinent meteorological knowledge in identifying and solving problems for both yourself and for customers	4	80.0%	0	.0%	1	20.0%	0	.0%	5	100.0%

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

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

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Ability to apply knowledge of meteorology, math, and the sciences in general to projects, services and assignments	4	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%
Knowledge and ability to utilize techniques, skills, and computer resources for weather data gathering, analysis, interpretation, and product generation	4	80.0%	0	.0%	1	20.0%	0	.0%	5	100.0%
Ability to function in teams	4	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%
An understanding of professional and ethical responsibilities	3	60.0%	1	20.0%	0	.0%	1	20.0%	5	100.0%
Ability to express complex weather concepts in terms that others can understand using both written and verbal communication methods	4	80.0%	0	.0%	1	20.0%	0	.0%	5	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	3	60.0%	1	20.0%	0	.0%	1	20.0%	5	100.0%
A knowledge of contemporary meteorological problems, issues, and programs for both research and user applications	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%
Ability to use techniques, skills, and modern technology for meteorological professional practices	4	80.0%	0	.0%	1	20.0%	0	.0%	5	100.0%
An understanding of the national and international aviation environment which relate to weather	4	80.0%	0	.0%	1	20.0%	0	.0%	5	100.0%
Ability to apply pertinent meteorological knowledge in identifying and solving problems for both yourself and for customers	4	80.0%	0	.0%	1	20.0%	0	.0%	5	100.0%

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

BS Air Traffic Management

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	10	58.8%	2	11.8%	1	5.9%	4	23.5%	17	100.0%
Understanding the principles of flight and the pilot's environment	9	52.9%	3	17.6%	1	5.9%	4	23.5%	17	100.0%
Knowledge of basic communications and air traffic control phraseology	12	70.6%	1	5.9%	0	.0%	4	23.5%	17	100.0%
Knowledge of Instrument Approach Procedure (IAP), Departure Procedure (DP), and Standard Arrival Route (STAR) Charts	9	52.9%	3	17.6%	1	5.9%	4	23.5%	17	100.0%
Knowledge of VFR Sectional Charts, VFR Terminal Charts, IFR Enroute Low Altitude Charts, IFR Enroute High Altitude Charts	8	47.1%	4	23.5%	1	5.9%	4	23.5%	17	100.0%
Understanding of basic weather fundamentals, weather systems, and hazardous weather	12	70.6%	0	.0%	1	5.9%	4	23.5%	17	100.0%
Knowledge and ability to interpret meteorological reports: METARs, Terminal Area Forecasts, AIRMETs, SIGMETs, and PIREPs	10	58.8%	1	5.9%	2	11.8%	4	23.5%	17	100.0%
Knowledge of air traffic control strip marking: enroute and terminal	9	52.9%	1	5.9%	2	11.8%	5	29.4%	17	100.0%
Understanding of Radar separation procedures, airspace to be protected speed adjustments, vectoring techniques and traffic coordination applicable to Air traffic Control operations	11	64.7%	1	5.9%	1	5.9%	4	23.5%	17	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	12	70.6%	1	5.9%	0	.0%	4	23.5%	17	100.0%
Knowledge of Federal Aviation Regulations as they pertain to Air Traffic Control	13	76.5%	0	.0%	0	.0%	4	23.5%	17	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to radar separation of aircraft	11	64.7%	1	5.9%	1	5.9%	4	23.5%	17	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to non-radar separation of aircraft	10	58.8%	1	5.9%	2	11.8%	4	23.5%	17	100.0%

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

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	11	68.8%	3	18.8%	1	6.3%	1	6.3%	16	100.0%
Understanding the principles of flight and the pilot's environment	11	68.8%	3	18.8%	1	6.3%	1	6.3%	16	100.0%
Knowledge of basic communications and air traffic control phraseology	12	75.0%	2	12.5%	1	6.3%	1	6.3%	16	100.0%
Knowledge of Instrument Approach Procedure (IAP), Departure Procedure (DP), and Standard Arrival Route (STAR) Charts	10	62.5%	3	18.8%	2	12.5%	1	6.3%	16	100.0%
Knowledge of VFR Sectional Charts, VFR Terminal Charts, IFR Enroute Low Altitude Charts, IFR Enroute High Altitude Charts	9	56.3%	4	25.0%	1	6.3%	2	12.5%	16	100.0%
Understanding of basic weather fundamentals, weather systems, and hazardous weather	11	68.8%	3	18.8%	1	6.3%	1	6.3%	16	100.0%
Knowledge and ability to interpret meteorological reports: METARs, Terminal Area Forecasts, AIRMETs, SIGMETs, and PIREPs	10	62.5%	4	25.0%	1	6.3%	1	6.3%	16	100.0%
Knowledge of air traffic control strip marking: enroute and terminal	10	62.5%	4	25.0%	1	6.3%	1	6.3%	16	100.0%
Understanding of Radar separation procedures, airspace to be protected speed adjustments, vectoring techniques and traffic coordination applicable to Air traffic Control operations	12	75.0%	2	12.5%	1	6.3%	1	6.3%	16	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	10	62.5%	4	25.0%	1	6.3%	1	6.3%	16	100.0%
Knowledge of Federal Aviation Regulations as they pertain to Air Traffic Control	10	62.5%	4	25.0%	1	6.3%	1	6.3%	16	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to radar separation of aircraft	10	62.5%	4	25.0%	1	6.3%	1	6.3%	16	100.0%
Understanding of Air Route Traffic Control Center operations as they pertain to non-radar separation of aircraft	9	56.3%	5	31.3%	1	6.3%	1	6.3%	16	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 Daytona Beach

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Knowledge and understanding of aviation law and the regulatory process	4	36.4%	2	18.2%	2	18.2%	3	27.3%	11	100.0%
Understanding and application of management theory/concepts	2	18.2%	7	63.6%	1	9.1%	1	9.1%	11	100.0%
Knowledge and understanding of economic principles	1	9.1%	4	36.4%	5	45.5%	1	9.1%	11	100.0%
Use of statistical/quantitative techniques to solve problems	3	27.3%	4	36.4%	3	27.3%	1	9.1%	11	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	5	45.5%	3	27.3%	0	.0%	3	27.3%	11	100.0%
Knowledge and understanding of the many facets of the aviation industry	4	36.4%	4	36.4%	0	.0%	3	27.3%	11	100.0%
Dealing with integrity issues	6	54.5%	2	18.2%	0	.0%	3	27.3%	11	100.0%
Development of moral character	6	54.5%	4	36.4%	1	9.1%	0	.0%	11	100.0%
Assertiveness in a leadership or subordinate role	7	63.6%	3	27.3%	1	9.1%	0	.0%	11	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	5	45.5%	5	45.5%	0	.0%	1	9.1%	11	100.0%
Knowledge of scientific principles	2	18.2%	5	45.5%	2	18.2%	2	18.2%	11	100.0%
Identify the influence and importance of the history of aviation	1	9.1%	5	45.5%	2	18.2%	3	27.3%	11	100.0%
Illustrate their preparedness in technical writing skills	2	18.2%	7	63.6%	0	.0%	2	18.2%	11	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
Daytona Beach

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 the regulatory process	5	45.5%	4	36.4%	1	9.1%	1	9.1%	11	100.0%
Understanding and application of management theory/concepts	1	9.1%	7	63.6%	3	27.3%	0	.0%	11	100.0%
Knowledge and understanding of economic principles	3	27.3%	4	36.4%	3	27.3%	1	9.1%	11	100.0%
Use of statistical/quantitative techniques to solve problems	3	27.3%	6	54.5%	1	9.1%	1	9.1%	11	100.0%
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	6	54.5%	5	45.5%	0	.0%	0	.0%	11	100.0%
Knowledge and understanding of the many facets of the aviation industry	5	45.5%	4	36.4%	2	18.2%	0	.0%	11	100.0%
Dealing with integrity issues	2	18.2%	6	54.5%	2	18.2%	1	9.1%	11	100.0%
Development of moral character	2	20.0%	6	60.0%	1	10.0%	1	10.0%	10	100.0%
Assertiveness in a leadership or subordinate role	3	27.3%	4	36.4%	2	18.2%	2	18.2%	11	100.0%
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	4	36.4%	4	36.4%	3	27.3%	0	.0%	11	100.0%
Knowledge of scientific principles	1	9.1%	7	63.6%	3	27.3%	0	.0%	11	100.0%
Identify the influence and importance of the history of aviation	3	27.3%	7	63.6%	1	9.1%	0	.0%	11	100.0%
Illustrate their preparedness in technical writing skills	2	18.2%	5	45.5%	3	27.3%	1	9.1%	11	100.0%

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

BS Aeronautical Science

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	11	47.8%	9	39.1%	1	4.3%	2	8.7%	23	100.0%
An ability to analyze and interpret data	14	60.9%	5	21.7%	3	13.0%	1	4.3%	23	100.0%
An ability to function on multi-disciplinary teams	13	56.5%	6	26.1%	3	13.0%	1	4.3%	23	100.0%
An understanding of professional and ethical responsibility	16	69.6%	6	26.1%	0	.0%	1	4.3%	23	100.0%
An ability to communicate effectively, including both written and verbal communication skills	14	63.6%	7	31.8%	0	.0%	1	4.5%	22	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	12	52.2%	9	39.1%	1	4.3%	1	4.3%	23	100.0%
A knowledge of contemporary issues	8	34.8%	11	47.8%	2	8.7%	2	8.7%	23	100.0%
An ability to use the techniques, skills, and modern technology necessary for professional practice	15	65.2%	6	26.1%	1	4.3%	1	4.3%	23	100.0%
An understanding of the national and international aviation environment	14	60.9%	6	26.1%	1	4.3%	2	8.7%	23	100.0%
An ability to apply pertinent knowledge in identifying and solving problems	14	60.9%	8	34.8%	0	.0%	1	4.3%	23	100.0%

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

Program-specific Skills: Rate ERAU's preparation
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	11	47.8%	9	39.1%	1	4.3%	2	8.7%	23	100.0%
An ability to analyze and interpret data	14	60.9%	5	21.7%	3	13.0%	1	4.3%	23	100.0%
An ability to function on multi-disciplinary teams	13	56.5%	6	26.1%	3	13.0%	1	4.3%	23	100.0%
An understanding of professional and ethical responsibility	16	69.6%	6	26.1%	0	.0%	1	4.3%	23	100.0%
An ability to communicate effectively, including both written and verbal communication skills	14	63.6%	7	31.8%	0	.0%	1	4.5%	22	100.0%
A recognition of the need for, and an ability to engage in, life-long learning	12	52.2%	9	39.1%	1	4.3%	1	4.3%	23	100.0%
A knowledge of contemporary issues	8	34.8%	11	47.8%	2	8.7%	2	8.7%	23	100.0%
An ability to use the techniques, skills, and modern technology necessary for professional practice	15	65.2%	6	26.1%	1	4.3%	1	4.3%	23	100.0%
An understanding of the national and international aviation environment	14	60.9%	6	26.1%	1	4.3%	2	8.7%	23	100.0%
An ability to apply pertinent knowledge in identifying and solving problems	14	60.9%	8	34.8%	0	.0%	1	4.3%	23	100.0%

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

M Business Administration

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

	Very Useful		Useful		Not Very Useful		Total	
	#	%	#	%	#	%	#	%
Apply key organizational concepts of group dynamics, leadership, conflict resolution, ethics and motivation in implementing organizational goals	4	80.0%	1	20.0%	0	.0%	5	100.0%
Apply the concepts and strategies involved in planning, implementing and controlling, a marketing plan with special emphasis on aviation/aerospace organizations	4	80.0%	1	20.0%	0	.0%	5	100.0%
Analyze financial statements and utilize corporate finance concepts and techniques in decision making within organizations	4	80.0%	1	20.0%	0	.0%	5	100.0%
Access, analyze, and communicate information using multiple means/media	5	100.0%	0	.0%	0	.0%	5	100.0%
Apply statistical and quantitative analysis to solve business problems	3	60.0%	1	20.0%	1	20.0%	5	100.0%
Integrate knowledge of macro- and micro-economic concepts to support aviation/aerospace operations	2	40.0%	1	20.0%	2	40.0%	5	100.0%
Formulate and execute strategies and policies required to achieve organizational goals in the competitive environment of airlines, airports, aerospace, manufacturing, and government	2	40.0%	3	60.0%	0	.0%	5	100.0%

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

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

	Very High Preparation		High Preparation		Total	
	#	%	#	%	#	%
Apply key organizational concepts of group dynamics, leadership, conflict resolution, ethics and motivation in implementing organizational goals	4	80.0%	1	20.0%	5	100.0%
Apply the concepts and strategies involved in planning, implementing and controlling, a marketing plan with special emphasis on aviation/aerospace organizations	5	100.0%	0	.0%	5	100.0%
Analyze financial statements and utilize corporate finance concepts and techniques in decision making within organizations	5	100.0%	0	.0%	5	100.0%
Access, analyze, and communicate information using multiple means/media	3	60.0%	2	40.0%	5	100.0%
Apply statistical and quantitative analysis to solve business problems	5	100.0%	0	.0%	5	100.0%
Integrate knowledge of macro- and micro-economic concepts to support aviation/aerospace operations	4	80.0%	1	20.0%	5	100.0%
Formulate and execute strategies and policies required to achieve organizational goals in the competitive environment of airlines, airports, aerospace, manufacturing, and government	5	100.0%	0	.0%	5	100.0%

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

BS Software Engineering

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

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and engineering	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
An ability to design and conduct experiments, and an ability to analyze the data	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
An ability to design and implement a software system, component, or process to meet desired needs	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
An ability to function on multi-disciplinary teams	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
An ability to identify, formulate, and solve engineering problems	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
An understanding of professional and ethical responsibility	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
An ability to communicate effectively	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
An understanding of the impact of engineering solutions in a global and societal context	1	33.3%	1	33.3%	0	.0%	1	33.3%	3	100.0%
A recognition of the need for, and an ability to engage in life-long learning	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
An understanding of contemporary issues in software engineering	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
An ability to use the techniques, skills, and modern engineering tools necessary to engineering practice	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
An understanding of real-time, safety-critical, embedded computer systems	1	33.3%	1	33.3%	1	33.3%	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 Software Engineering Daytona Beach

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and engineering	0	.0%	2	66.7%	1	33.3%	0	.0%	3	100.0%
An ability to design and conduct experiments, and an ability to analyze the data	2	66.7%	1	33.3%	0	.0%	0	.0%	3	100.0%
An ability to design and implement a software system, component, or process to meet desired needs	3	100.0%	0	.0%	0	.0%	0	.0%	3	100.0%
An ability to function on multi-disciplinary teams	1	33.3%	0	.0%	2	66.7%	0	.0%	3	100.0%
An ability to identify, formulate, and solve engineering problems	1	33.3%	2	66.7%	0	.0%	0	.0%	3	100.0%
An understanding of professional and ethical responsibility	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
An ability to communicate effectively	1	33.3%	1	33.3%	1	33.3%	0	.0%	3	100.0%
An understanding of the impact of engineering solutions in a global and societal context	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
A recognition of the need for, and an ability to engage in life-long learning	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
An understanding of contemporary issues in software engineering	2	66.7%	0	.0%	1	33.3%	0	.0%	3	100.0%
An ability to use the techniques, skills, and modern engineering tools necessary to engineering practice	0	.0%	1	33.3%	1	33.3%	1	33.3%	3	100.0%
An understanding of real-time, safety-critical, embedded computer systems	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.

BS Mechanical Engineering

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

	Very Useful		Useful		Not Very Useful		Total	
	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and engineering	2	66.7%	1	33.3%	0	.0%	3	100.0%
An ability to design and conduct experiments, as well as analyze and interpret data	1	33.3%	1	33.3%	1	33.3%	3	100.0%
An ability to design and realize a thermal or mechanical system, component or process to meet desired needs	1	33.3%	2	66.7%	0	.0%	3	100.0%
An ability to function on multi-disciplinary teams	1	33.3%	2	66.7%	0	.0%	3	100.0%
An ability to identify, formulate, and solve engineering problems	2	66.7%	1	33.3%	0	.0%	3	100.0%
An understanding of professional and ethical responsibility	2	66.7%	1	33.3%	0	.0%	3	100.0%
An ability to communicate effectively	2	66.7%	1	33.3%	0	.0%	3	100.0%
An understanding of the impact of engineering solutions in a global and societal context	1	33.3%	2	66.7%	0	.0%	3	100.0%
A recognition of, and an ability to engage in, life-long learning	2	66.7%	1	33.3%	0	.0%	3	100.0%
A knowledge of contemporary issues	1	33.3%	2	66.7%	0	.0%	3	100.0%
An ability to 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 2011 (1 year after graduation). Institutional Research, 05/13.

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

	Very High Preparation		High Preparation		Total	
	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and engineering	3	100.0%	0	.0%	3	100.0%
An ability to design and conduct experiments, as well as analyze and interpret data	2	66.7%	1	33.3%	3	100.0%
An ability to design and realize a thermal or mechanical system, component or process to meet desires needs	2	66.7%	1	33.3%	3	100.0%
An ability to function on multi-disciplinary teams	3	100.0%	0	.0%	3	100.0%
An ability to identify, formulate, and solve engineering problems	3	100.0%	0	.0%	3	100.0%
An understanding of professional and ethical responsibility	3	100.0%	0	.0%	3	100.0%
An ability to communicate effectively	3	100.0%	0	.0%	3	100.0%
An understanding of the impact of engineering solutions in a global and societal context	2	66.7%	1	33.3%	3	100.0%
A recognition of, and an ability to engage in, life-long learning	3	100.0%	0	.0%	3	100.0%
A knowledge of contemporary issues	2	66.7%	1	33.3%	3	100.0%
An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	2	66.7%	1	33.3%	3	100.0%

BS Computer Engineering

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

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and engineering	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
An ability to design and conduct experiments, as well as to analyze and interpret data	2	40.0%	1	20.0%	2	40.0%	0	.0%	5	100.0%
An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%
An ability to function on multi-disciplinary teams	5	100.0%	0	.0%	0	.0%	0	.0%	5	100.0%
An ability to identify, formulate, and solve engineering problems	5	100.0%	0	.0%	0	.0%	0	.0%	5	100.0%
An understanding of professional and ethical responsibility	4	80.0%	0	.0%	1	20.0%	0	.0%	5	100.0%
An ability to communicate effectively	4	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%
An understanding of the impact of engineering solutions in a global and societal context	1	20.0%	2	40.0%	1	20.0%	1	20.0%	5	100.0%
A recognition of the need for, and an ability to engage in life-long learning	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
An understanding of contemporary issues in computer engineering	1	20.0%	2	40.0%	2	40.0%	0	.0%	5	100.0%
An ability to use the techniques, skills, and modern engineering tools necessary to engineering practice	3	60.0%	2	40.0%	0	.0%	0	.0%	5	100.0%
An understanding of real-time embedded computer systems	1	20.0%	2	40.0%	2	40.0%	0	.0%	5	100.0%

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

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

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
An ability to apply knowledge of mathematics, science, and engineering	4	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%
An ability to design and conduct experiments, as well as to analyze and interpret data	4	80.0%	1	20.0%	0	.0%	0	.0%	5	100.0%
An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	2	40.0%	1	20.0%	2	40.0%	0	.0%	5	100.0%
An ability to function on multi-disciplinary teams	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%
An ability to identify, formulate, and solve engineering problems	3	60.0%	1	20.0%	1	20.0%	0	.0%	5	100.0%
An understanding of professional and ethical responsibility	2	40.0%	2	40.0%	1	20.0%	0	.0%	5	100.0%
An ability to communicate effectively	2	40.0%	3	60.0%	0	.0%	0	.0%	5	100.0%
An understanding of the impact of engineering solutions in a global and societal context	1	20.0%	2	40.0%	2	40.0%	0	.0%	5	100.0%
A recognition of the need for, and an ability to engage in life-long learning	2	40.0%	2	40.0%	1	20.0%	0	.0%	5	100.0%
An understanding of contemporary issues in computer engineering	2	40.0%	2	40.0%	1	20.0%	0	.0%	5	100.0%
An ability to use the techniques, skills, and modern engineering tools necessary to engineering practice	2	40.0%	1	20.0%	1	20.0%	1	20.0%	5	100.0%
An understanding of real-time embedded computer systems	3	60.0%	2	40.0%	0	.0%	0	.0%	5	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 Daytona Beach

	Very Useful		Useful		Not Very Useful		Not At All Useful		Total	
	#	%	#	%	#	%	#	%	#	%
Engineering responsibilities and methodology	16	55.2%	9	31.0%	4	13.8%	0	.0%	29	100.0%
Professional activity and development	17	58.6%	11	37.9%	1	3.4%	0	.0%	29	100.0%
Technical communication	18	62.1%	9	31.0%	2	6.9%	0	.0%	29	100.0%
General education	9	31.0%	18	62.1%	2	6.9%	0	.0%	29	100.0%
Basic science and mathematics	14	48.3%	13	44.8%	2	6.9%	0	.0%	29	100.0%
Engineering mechanics	12	42.9%	12	42.9%	4	14.3%	0	.0%	28	100.0%
Aerodynamics and aeronautics	6	20.7%	9	31.0%	13	44.8%	1	3.4%	29	100.0%
Thermal sciences and propulsion	5	17.2%	14	48.3%	10	34.5%	0	.0%	29	100.0%
Structures and materials	8	27.6%	10	34.5%	9	31.0%	2	6.9%	29	100.0%
Electronics	5	17.2%	14	48.3%	8	27.6%	2	6.9%	29	100.0%
Astronautics	8	27.6%	5	17.2%	10	34.5%	6	20.7%	29	100.0%
Laboratories and data interpretation	12	41.4%	8	27.6%	7	24.1%	2	6.9%	29	100.0%
Design	11	37.9%	11	37.9%	5	17.2%	2	6.9%	29	100.0%
Support hardware and software	12	41.4%	10	34.5%	4	13.8%	3	10.3%	29	100.0%

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

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

	Very High Preparation		High Preparation		Moderate Preparation		Little Preparation		Total	
	#	%	#	%	#	%	#	%	#	%
Engineering responsibilities and methodology	9	31.0%	14	48.3%	5	17.2%	1	3.4%	29	100.0%
Professional activity and development	8	27.6%	13	44.8%	7	24.1%	1	3.4%	29	100.0%
Technical communication	7	25.0%	13	46.4%	6	21.4%	2	7.1%	28	100.0%
General education	11	37.9%	12	41.4%	4	13.8%	2	6.9%	29	100.0%
Basic science and mathematics	15	51.7%	11	37.9%	3	10.3%	0	.0%	29	100.0%
Engineering mechanics	17	58.6%	9	31.0%	2	6.9%	1	3.4%	29	100.0%
Aerodynamics and aeronautics	17	58.6%	9	31.0%	3	10.3%	0	.0%	29	100.0%
Thermal sciences and propulsion	12	41.4%	9	31.0%	7	24.1%	1	3.4%	29	100.0%
Structures and materials	8	27.6%	18	62.1%	3	10.3%	0	.0%	29	100.0%
Electronics	7	24.1%	7	24.1%	13	44.8%	2	6.9%	29	100.0%
Astronautics	7	24.1%	10	34.5%	11	37.9%	1	3.4%	29	100.0%
Laboratories and data interpretation	4	13.8%	12	41.4%	10	34.5%	3	10.3%	29	100.0%
Design	9	31.0%	9	31.0%	10	34.5%	1	3.4%	29	100.0%
Support hardware and software	3	10.7%	9	32.1%	13	46.4%	3	10.7%	28	100.0%

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