Employer Feedback Survey

Classes of 2001, 2002, 2003 & 2004, 1 1/2 Years After Graduation

**Program Profile
BS Engineering Physics**

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This Program Profile contains Employer Feedback Survey results for this degree program only, for the Classes of 2001, 2002, 2003 & 2004. Almost every question from the instrument is included. Some of the skill verbiage required abbreviation in order to fit in the tables; please refer to the survey instrument if clarification is needed. Employer comments for 'strengths' and 'weaknesses' of the degree program have been included.

In an effort to correct for disproportionate response rates and adjust the respondent profile so that it was representative of the target population, the data were weighted by gender, campus, program, and year of graduation. Percentages in the data tables represent the weighted result (the number of respondents has been left unweighted, however). Please use caution when interpreting results for programs with a small number of respondents; results based on very few respondents may not be representative. Programs for which there were fewer than three respondents are excluded.

Number of Respondents
By Campus and Year of Graduation.

	BS Engineering Physics				
	2001	2002	2003	2004	All Years
Daytona Beach	1	2	2	1	6

Graduate's length of time at present position
(as reported by the graduate on the preceding Alumni
Survey)
By Campus
All Years Combined

	Unwtd # of Respondents	Less than 1 year	1-2 years
		Wtd Row %	Wtd Row %
Daytona Beach	6	38.5%	61.5%

Response options: 'Less than 1 year', '1-2 years', '3-5 years', 'More than 5 years'.

Best description of graduate's field of
work
(as reported by the graduate on the
preceding Alumni Survey)
By Campus
All Years Combined

		Daytona Beach
Unwtd # of Respondents		6
Aerospace	Wtd Col %	41.9%
Government	Wtd Col %	38.5%
Military	Wtd Col %	19.6%

Relationship of graduate's job to his/her field of study
at ERAU
(as reported by the graduate on the preceding Alumni
Survey)
By Campus
All Years Combined

	Unwtd # of Respondents	Closely related	Somewhat related
		Wtd Col %	Wtd Col %
Daytona Beach	6	72.6%	27.4%

Response options: 'Closely related', 'Somewhat related'.
Graduates who responded 'Not related' on their Alumni
Survey were excluded from consideration for the Employer
Feedback Survey.

Approximately how many ERAU graduates do you know professionally?
By Campus
All Years Combined

	Unwtd # of Respondents	Number of ERAU Graduates Know Professionally		
		1	2-5	11-50
		Wtd Row %	Wtd Row %	Wtd Row %
Daytona Beach	6	47.0%	41.9%	11.1%

Response options: '1', '2-5','6-10','11-50','Over 50'.

How many ERAU graduates do you currently supervise?
By Campus
All Years Combined

	Unwtd # of Respondents	Number of ERAU Graduates Currently Supervise	
		1	2-5
		Wtd Row %	Wtd Row %
Daytona Beach	6	66.5%	33.5%

Response options: '1', '2-5','6-10','11-50','Over 50'.

Did you graduate from ERAU?
By Campus
All Years Combined

	Unwtd # of Respondents	Supervisors Who Are Also ERAU Graduates
		No
		Wtd Row %
Daytona Beach	6	100.0%

Response options: 'Yes', 'No'.

What is your level of involvement in the hiring of new workers?
By Campus
All Years Combined

	Unwtd # of Respondents	Hiring involvemnet level		
		Make Final Deciaiton	Provide Input	No Involvement
		Wtd Row %	Wtd Row %	Wtd Row %
Daytona Beach	6	69.3%	11.1%	19.6%

Response options: 'Make Final Decision', 'Provide Input', 'No Involvement'.

What is your preference for hiring graduates?
By Campus
All Years Combined

| | | Preference for Hiring Graduates | | |
| | | Some Preference for ERAU Graduates | No Preference | Some Preference for Other Graduates |
	Unwtd # of Respondents	Wtd Row %	Wtd Row %	Wtd Row %
Daytona Beach	5	13.9%	61.8%	24.3%

Response options: 'Strong preference for other graduates', 'Some preference for other graduates', 'No preference', 'Some preference for ERAU graduates', 'Strong preference for ERAU graduates'.

What preference do you have for multi-lingual candidates?
By Campus
All Years Combined

| | | Preference for multi-lingual candidates | |
| | | Some Preference | No Preference |
	Unwtd # of Respondents	Wtd Row %	Wtd Row %
Daytona Beach	3	55.1%	44.9%

New question as of the Class of 2003 survey.
Response options: 'Strong Preference', 'Some Preference', No Preference'.

How important do you consider global awareness and international experience for new employees?
By Campus
All Years Combined

| | | Importance of global awareness and international experience |
| | | Somewhat Important |
	Unwtd # of Respondents	Wtd Row %
Daytona Beach	3	100.0%

New question as of the Class of 2003 survey.
Response options: 'Very Important', 'Somewhat Important', 'Not Important'.

**What changes do you anticipate in your organization's
need for aviation and aerospace professionals in the
near future?
By Campus
All Years Combined**

| | | Anticipated changes to organization's need for av/aero professionals | |
| | | Increased Need | No Changes |
	Unwtd # of Respondents	Wtd Row %	Wtd Row %
Daytona Beach	4	16.1%	83.9%

New question as of the Class of 2002 survey.
Response options: 'Increased Need', 'No Changes',
'Decreased Need'.

**The education of the graduate meets our company's needs
By Campus
All Years Combined**

| | | Education of ERAU Graduate Meets Company's Needs | | |
| | | Strongly Agree | Agree | Neutral |
	Unwtd # of Respondents	Wtd Row %	Wtd Row %	Wtd Row %
Daytona Beach	5	65.4%	22.0%	12.6%

Response options: 'Strongly Disagree', 'Disagree', 'Neutral', 'Agree',
'Strongly Agree'.

**He/she is a valuable employee
By Campus
All Years Combined**

| | | Graduate is a Valuable Employee | | |
| | | Strongly Agree | Agree | Disagree |
	Unwtd # of Respondents	Wtd Row %	Wtd Row %	Wtd Row %
Daytona Beach	5	65.4%	22.0%	12.6%

Response options: 'Strongly Disagree', 'Disagree', 'Neutral', 'Agree',
'Strongly Agree'.

He/she is a good candidate for promotion
By Campus
All Years Combined

| | | Graduate is a Good Candidate for Promotion | | |
	Unwtd # of Respondents	Strongly Agree	Agree	Neutral
		Wtd Row %	Wtd Row %	Wtd Row %
Daytona Beach	5	65.4%	22.0%	12.6%

Response options: 'Strongly Disagree', 'Disagree', 'Neutral', 'Agree',
'Strongly Agree'.

Compared to graduates from other
institutions, his/her knowledge and skill
level is:
By Campus
All Years Combined

| | | Skill Level of ERAU Graduate Compared to Graduates From Other Institutions |
	Unwtd # of Respondents	Equivalent
		Wtd Row %
Daytona Beach	6	100.0%

ERAU General Skills Usefulness on the Job and Competence of Graduates
All Years Combined

Daytona Beach

	BS Engineering Physics													
	Employer's Usefulness of Skill on the Job				Competence of this ERAU Graduate						Competence of Graduates from Other Institutions			
	Unwtd # of Respondents	Very Useful	Somewhat Useful	Not Useful	Unwtd # of Respondents	Excellent	Good	Average	Poor	Very Poor	Unwtd # of Respondents	Excellent	Good	Average	Poor
		Wtd Row %	Wtd Row %	Wtd Row %		Wtd Row %	Wtd Row %	Wtd Row %	Wtd Row %	Wtd Row %		Wtd Row %	Wtd Row %	Wtd Row %	Wtd Row %
Quantitative/mathematics	6	77.6%	22.4%	.0%	6	58.0%	11.2%	11.2%	19.6%	.0%	4	31.8%	31.8%	36.4%	.0%
Basic PC software (word processing, spreadsheets, etc.)	6	61.5%	27.3%	11.2%	6	61.5%	27.3%	.0%	11.2%	.0%	4	31.8%	.0%	50.0%	18.2%
Writing skills (non-technical)	6	30.8%	58.0%	11.2%	6	.0%	69.2%	30.8%	.0%	.0%	4	18.2%	.0%	50.0%	31.8%
Technical writing	6	69.2%	19.6%	11.2%	6	.0%	69.2%	11.2%	19.6%	.0%	4	.0%	50.0%	18.2%	31.8%
Speaking before an audience	6	77.6%	11.2%	11.2%	6	11.2%	11.2%	58.0%	19.6%	.0%	4	.0%	18.2%	81.8%	.0%
Listening skills	1	100.0%	.0%	.0%	1	.0%	100.0%	.0%	.0%	.0%	0	.0%	.0%	.0%	.0%
Applied research (information gathering and analysis)	6	77.6%	22.4%	.0%	6	46.9%	.0%	22.4%	30.8%	.0%	4	.0%	63.6%	18.2%	18.2%
Critical thinking	6	58.0%	30.8%	11.2%	6	27.3%	30.8%	30.8%	11.2%	.0%	4	.0%	31.8%	68.2%	.0%
Independent work	6	69.2%	19.6%	11.2%	6	11.2%	69.2%	.0%	19.6%	.0%	4	.0%	31.8%	68.2%	.0%
Planning, scheduling, and carrying out projects	6	42.0%	46.9%	11.2%	6	22.4%	58.0%	19.6%	.0%	.0%	4	.0%	.0%	100.0%	.0%
Defining and solving problems	6	69.2%	19.6%	11.2%	6	46.9%	22.4%	30.8%	.0%	.0%	4	.0%	31.8%	68.2%	.0%
Working in groups/teams	6	69.2%	19.6%	11.2%	6	58.0%	19.6%	11.2%	.0%	11.2%	4	.0%	31.8%	50.0%	18.2%
Leading/guiding others	6	30.8%	58.0%	11.2%	6	.0%	30.8%	49.7%	19.6%	.0%	4	.0%	31.8%	68.2%	.0%
Responsible actions and decision making	6	58.0%	30.8%	11.2%	6	.0%	88.8%	11.2%	.0%	.0%	4	.0%	31.8%	68.2%	.0%
Ability to adapt to change	1	100.0%	.0%	.0%	1	.0%	100.0%	.0%	.0%	.0%	0	.0%	.0%	.0%	.0%
Understanding other people and other points of view	6	30.8%	58.0%	11.2%	6	.0%	58.0%	30.8%	11.2%	.0%	4	.0%	50.0%	50.0%	.0%
Environmental awareness	6	.0%	53.1%	46.9%	4	.0%	21.1%	78.9%	.0%	.0%	3	.0%	.0%	100.0%	.0%
Political and economic awareness	6	11.2%	42.0%	46.9%	4	21.1%	.0%	78.9%	.0%	.0%	3	.0%	.0%	100.0%	.0%
Knowledge of political/physical geography	5	.0%	47.2%	52.8%	3	26.7%	46.7%	26.7%	.0%	.0%	2	.0%	63.6%	36.4%	.0%

ERAU Preparation response options for the Class of 2003 and 2004 survey: 1='Excellent', 2='Good', 3='Average', 4='Poor', 5='Very Poor'.
Competence response options for the Class of 2001 and 2002 survey: 1='Very Good', 2='Good',3='Average', 4='Poor', 5='Very Poor'.
Usefulness response options: 1='Very Useful', 2='Somewhat Useful', 3='Not Useful'

Source: Institutional Research, June 2007

ERAU Degree Specific Skills Usefulness on the Job and Competence of Graduates
All Years Combined

Daytona Beach

BS Engineering Physics

	Usefulness of skill on the Job				Competence of this ERAU Graduate						Competence of other Graduates				
	Unwtd # of Respondents	(1) Very Useful Wtd Row %	(2) Somewhat Useful Wtd Row %	(3) Not Useful Wtd Row %	Unwtd # of Respondents	(1) Very Good Wtd Row %	(2) Good Wtd Row %	(3) Average Wtd Row %	(4) Poor Wtd Row %	(5) Very Poor Wtd Row %	Unwtd # of Respondents	(1) Very Good Wtd Row %	(2) Good Wtd Row %	(3) Average Wtd Row %	(4) Poor Wtd Row %
(A) Apply knowledge of math/sci/eng	6	88.8%	11.2%	.0%	6	58.0%	11.2%	30.8%	.0%	.0%	4	31.8%	.0%	68.2%	.0%
(B) Design and conduct experiments	6	61.5%	38.5%	.0%	6	19.6%	22.4%	58.0%	.0%	.0%	4	31.8%	31.8%	36.4%	.0%
(C) Analyze and interpret data	6	88.8%	.0%	11.2%	6	46.9%	22.4%	11.2%	19.6%	.0%	4	.0%	31.8%	68.2%	.0%
(D) Design sys/comp/pro to meet needs	6	50.3%	49.7%	.0%	6	.0%	42.0%	46.9%	11.2%	.0%	4	.0%	31.8%	36.4%	31.8%
(E) Function of multi-disciplinary teams	6	61.5%	27.3%	11.2%	6	30.8%	46.9%	11.2%	11.2%	.0%	4	.0%	31.8%	68.2%	.0%
(F) Identify, formulate, and solve eng problems	6	69.2%	19.6%	11.2%	6	46.9%	22.4%	30.8%	.0%	.0%	4	.0%	31.8%	68.2%	.0%
(G) Understand prof/ethical responsibility	6	69.2%	19.6%	11.2%	6	58.0%	11.2%	19.6%	.0%	11.2%	4	31.8%	.0%	68.2%	.0%
(H) Communicate effectively	6	69.2%	19.6%	11.2%	6	11.2%	58.0%	19.6%	11.2%	.0%	4	.0%	50.0%	50.0%	.0%
(I) Understand the impact of eng solutions	6	22.4%	30.8%	46.9%	4	.0%	78.9%	21.1%	.0%	.0%	3	.0%	46.7%	53.3%	.0%
(J) Recognize/engage in life-long learning	6	42.0%	46.9%	11.2%	6	58.0%	11.2%	19.6%	11.2%	.0%	4	31.8%	.0%	50.0%	18.2%
(K) Knowledge of contemporary issues	6	11.2%	61.5%	27.3%	5	.0%	57.7%	42.3%	.0%	.0%	4	.0%	31.8%	68.2%	.0%
(L) Use of eng tools engineering practice	6	58.0%	30.8%	11.2%	6	30.8%	38.5%	30.8%	.0%	.0%	4	31.8%	.0%	68.2%	.0%
(M) Knowledge of classical mechanics	6	50.3%	49.7%	.0%	6	.0%	69.2%	19.6%	11.2%	.0%	4	.0%	31.8%	18.2%	50.0%
(N) Knowledge of eng electricity and magnetism	6	46.9%	53.1%	.0%	6	46.9%	22.4%	19.6%	11.2%	.0%	4	.0%	31.8%	50.0%	18.2%
(O) Knowledge of space physics	6	50.3%	38.5%	11.2%	6	30.8%	38.5%	.0%	30.8%	.0%	4	.0%	31.8%	18.2%	50.0%
(P) Knowledge of quantum physics	6	30.8%	49.7%	19.6%	4	28.3%	71.7%	.0%	.0%	.0%	2	63.6%	.0%	36.4%	.0%
(Q) Knowledge of space sys eng/design	6	30.8%	38.5%	30.8%	5	24.3%	61.7%	13.9%	.0%	.0%	3	.0%	46.7%	53.3%	.0%
(R) Knowledge of electro-optical engineering	6	58.0%	11.2%	30.8%	4	.0%	83.8%	16.2%	.0%	.0%	2	.0%	63.6%	36.4%	.0%
(S) Knowledge of microcomputers/elect instrument	6	39.2%	60.8%	.0%	6	39.2%	22.4%	38.5%	.0%	.0%	4	31.8%	.0%	68.2%	.0%

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Comments from the question "Considering this ERAU graduate, what strengths do you perceive in his/her degree program?" - Daytona Beach

Class of 2002
Computer and programming skill/breadth of engineering knowledge.

Understanding of E/o systems, space physics, math interferometer, lab experience with hardware.

Class of 2004
Great understanding of engineering based software and how to integrate its use in our office. Works well with teams. Fantastic understanding of electromagnetics and materials necessary for the job.

Comments from the question "Considering this ERAU graduate, what weaknesses do you perceive in his/her degree program?" - Daytona Beach

Class of 2002
Application of higher mathematics to real problems.

Presenting to groups