Employer Feedback Survey

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

Program Profile
BS Aerospace Engineering
Prescott Campus

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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 Aerospace Engineering				
	2001	2002	2003	2004	All Years
Prescott	4	3	1	2	10

**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 %
Prescott	10	21.5%	78.5%

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**

		Prescott
Unwtd # of Respondents		10
Aerospace	Wtd Col %	56.8%
Computer	Wtd Col %	9.5%
Government	Wtd Col %	20.3%
Military	Wtd Col %	13.4%

**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 %
Prescott	10	51.3%	48.7%

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		
		2-5	6-10	11-50
		Wtd Row %	Wtd Row %	Wtd Row %
Prescott	10	55.4%	31.3%	13.4%

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 %
Prescott	10	21.5%	78.5%

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	
		Yes	No
		Wtd Row %	Wtd Row %
Prescott	10	13.4%	86.6%

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 %
Prescott	10	70.4%	16.2%	13.4%

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

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

	Unwtd # of Respondents	Preference for Hiring Graduates	
		Some Preference for ERAU Graduates	No Preference
		Wtd Row %	Wtd Row %
Prescott	9	65.6%	34.4%

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

	Unwtd # of Respondents	Preference for multi-lingual candidates	
		Some Preference	No Preference
		Wtd Row %	Wtd Row %
Prescott	2	52.3%	47.7%

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

	Unwtd # of Respondents	Importance of global awareness and international experience
		Somewhat Important
		Wtd Row %
Prescott	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	
	Unwtd # of Respondents	Increased Need	No Changes
		Wtd Row %	Wtd Row %
Prescott	6	42.3%	57.7%

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		
	Unwtd # of Respondents	Strongly Agree	Agree	Disagree
		Wtd Row %	Wtd Row %	Wtd Row %
Prescott	9	34.2%	56.5%	9.4%

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		
	Unwtd # of Respondents	Strongly Agree	Agree	Strongly Disagree
		Wtd Row %	Wtd Row %	Wtd Row %
Prescott	9	70.3%	20.4%	9.4%

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	Strongly Disagree
		Wtd Row %	Wtd Row %	Wtd Row %
Prescott	10	48.7%	43.2%	8.1%

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

	Unwtd # of Respondents	Skill Level of ERAU Graduate Compared to Graduates From Other Institutions			
		Much Higher	Somewhat Higher	Equivalent	Somewhat Lower
		Wtd Row %	Wtd Row %	Wtd Row %	Wtd Row %
Prescott	10	13.4%	16.2%	62.3%	8.1%

ERAU General Skills Usefulness on the Job and Competence of Graduates

Prescott

| | BS Aerospace Engineering | | | | | | | | | | | |
| | | Employer's Usefulness of Skill on the Job | | | | Competence of this ERAU Graduate | | | | | Competence of Graduates from Other Institutions | | |
	Unwtd # of Respondents	Very Useful Wtd Row %	Somewhat Useful Wtd Row %	Not Useful Wtd Row %	Unwtd # of Respondents	Excellent Wtd Row %	Good Wtd Row %	Average Wtd Row %	Poor Wtd Row %	Unwtd # of Respondents	Excellent Wtd Row %	Good Wtd Row %	Average Wtd Row %
Quantitative/mathematics	10	70.4%	29.6%	.0%	10	36.3%	55.6%	.0%	8.1%	8	16.5%	73.4%	10.0%
Basic PC software (word processing, spreadsheets, etc.)	10	64.6%	27.3%	8.1%	8	29.2%	36.1%	24.4%	10.3%	6	36.2%	50.2%	13.7%
Writing skills (non-technical)	10	60.8%	31.0%	8.1%	8	27.6%	49.9%	22.5%	.0%	6	.0%	72.6%	27.4%
Technical writing	10	70.4%	29.6%	.0%	8	39.5%	50.1%	10.3%	.0%	6	16.1%	56.5%	27.4%
Speaking before an audience	10	51.3%	40.6%	8.1%	8	17.0%	37.9%	34.7%	10.3%	6	22.5%	29.8%	47.7%
Listening skills	2	100.0%	.0%	.0%	1	100.0%	.0%	.0%	.0%	1	100.0%	.0%	.0%
Applied research (information gathering and analysis)	10	59.4%	40.6%	.0%	9	35.8%	32.7%	31.5%	.0%	7	46.0%	42.0%	12.0%
Critical thinking	10	70.4%	21.5%	8.1%	9	11.0%	65.6%	14.0%	9.4%	7	.0%	70.1%	29.9%
Independent work	10	72.7%	19.1%	8.1%	9	34.2%	56.5%	.0%	9.4%	6	22.5%	63.8%	13.7%
Planning, scheduling, and carrying out projects	10	91.9%	.0%	8.1%	9	20.4%	45.2%	34.4%	.0%	7	12.0%	58.0%	29.9%
Defining and solving problems	10	72.7%	19.1%	8.1%	9	35.8%	43.8%	11.0%	9.4%	7	31.8%	56.1%	12.0%
Working in groups/teams	10	78.5%	13.4%	8.1%	9	45.2%	45.4%	.0%	9.4%	7	26.2%	61.8%	12.0%
Leading/guiding others	10	41.7%	50.2%	8.1%	8	.0%	62.1%	37.9%	.0%	6	.0%	66.0%	34.0%
Responsible actions and decision making	10	63.2%	28.7%	8.1%	9	34.2%	56.5%	9.4%	.0%	7	31.8%	56.1%	12.0%
Ability to adapt to change	2	50.0%	50.0%	.0%	1	100.0%	.0%	.0%	.0%	1	.0%	100.0%	.0%
Understanding other people and other points of view	10	51.3%	48.7%	.0%	9	.0%	90.6%	.0%	9.4%	7	12.0%	75.9%	12.0%
Environmental awareness	10	24.4%	56.5%	19.1%	7	.0%	58.0%	42.0%	.0%	7	.0%	58.0%	42.0%
Political and economic awareness	10	25.8%	66.1%	8.1%	6	.0%	52.3%	47.7%	.0%	6	.0%	52.3%	47.7%
Knowledge of political/physical geography	6	14.2%	57.5%	28.3%	3	.0%	65.5%	34.5%	.0%	3	.0%	65.5%	34.5%

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

Prescott

| | BS Aerospace Engineering | | | | | | | | | | | | | |
| | 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 %
(A) Apply knowledge of math and science	8	79.9%	10.0%	10.0%	8	26.6%	63.4%	.0%	10.0%	.0%	7	.0%	88.0%	12.0%
(B) Design and conduct experiments	8	26.8%	56.7%	16.5%	8	.0%	90.0%	.0%	10.0%	.0%	7	14.2%	73.8%	12.0%
(C) Analyze and interpret experimental data	8	63.4%	20.1%	16.5%	7	31.8%	56.1%	.0%	12.0%	.0%	7	.0%	70.1%	29.9%
(D) Apply knowledge of aerodynamics	8	67.0%	16.5%	16.5%	6	22.5%	57.1%	20.4%	.0%	.0%	7	19.8%	24.1%	56.1%
(E) Apply knowledge of aircraft performance	8	46.9%	36.6%	16.5%	6	22.5%	57.1%	20.4%	.0%	.0%	7	.0%	43.9%	56.1%
(F) Apply knowledge of stability and control	8	36.8%	46.7%	16.5%	7	19.8%	50.3%	29.9%	.0%	.0%	7	.0%	43.9%	56.1%
(G) Apply knowledge of aerospace materials	8	48.4%	25.0%	26.6%	5	44.7%	31.7%	23.6%	.0%	.0%	6	22.5%	29.8%	47.7%
(H) Apply knowledge of aircraft and spacecraft structures	8	38.4%	41.5%	20.1%	5	40.6%	38.0%	21.4%	.0%	.0%	5	26.1%	.0%	73.9%
(I) Apply knowledge of propulsion	8	31.9%	51.6%	16.5%	6	.0%	79.6%	20.4%	.0%	.0%	7	.0%	43.9%	56.1%
(J) Apply knowledge of orbital mechanics	8	26.6%	10.0%	63.4%	4	.0%	60.2%	39.8%	.0%	.0%	4	.0%	34.1%	65.9%
(K) Apply knowledge of spacecraft dynamics	8	10.0%	16.5%	73.4%	4	.0%	60.2%	39.8%	.0%	.0%	4	.0%	34.1%	65.9%
(L) Apply knowledge of control systems	8	69.9%	20.1%	10.0%	7	29.5%	42.7%	27.8%	.0%	.0%	6	.0%	36.2%	63.8%
(M) Apply knowledge of circuits, electronics, & instrument	8	35.0%	44.9%	20.1%	6	27.4%	22.5%	36.5%	13.7%	.0%	6	.0%	49.8%	50.2%
(N) Identify, formulate, and solve engineering problems	8	63.4%	26.6%	10.0%	7	31.8%	56.1%	.0%	.0%	12.0%	7	19.8%	68.2%	12.0%
(O) Use techniques, skills, tools necessary for eng practice	8	73.4%	16.5%	10.0%	7	24.1%	63.9%	.0%	12.0%	.0%	7	43.9%	44.1%	12.0%
(P) Design a/c system, component, or mission to meet needs	8	.0%	78.1%	21.9%	6	22.5%	13.7%	63.8%	.0%	.0%	6	.0%	49.8%	50.2%
(Q) Understand eng decisions on society/environment	8	36.6%	53.3%	10.0%	5	26.1%	31.7%	42.3%	.0%	.0%	6	22.5%	27.4%	50.2%
(R) Understand professional and ethical responsibility	8	73.4%	16.5%	10.0%	8	48.4%	41.5%	.0%	.0%	10.0%	7	46.0%	42.0%	12.0%
(S) Recognize need to continue professional development	8	79.9%	10.0%	10.0%	7	63.9%	24.1%	.0%	.0%	12.0%	7	34.0%	54.0%	12.0%

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

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

Class of 2001
Good understanding of basic engine design and capable all around engineer most likely attributable to a solid academic program as well as his own inherent talents.

Aeronautics, testing (wind tunnel) and data reduction.

Well rounded education

Practical understanding of avionics functions and interfaces

Class of 2002
The ability to understand technical engineering problems and solutions.

Very specific education to Aerospace Industry.

Class of 2003
Good oral and written communication skills.

Class of 2004
His strengths are in his knowledge of many different engineering disciplines, which he needs as his job entails systems engineering.
Research and development of complex aerospace. Strong mathematical foundation.

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

Class of 2001
More electronic and software exposure

Aspects of overall aircraft systems integration, with respect to complementary functions, contemporary airspace/regulatory requirements, mission applications and human-machine interaction.
Class of 2002
I have not percieved a weakness.

Class of 2003
Lack of rotorcraft aerodynamics, performance, and stability & control academics.

Class of 2004
None that I've observed.
None Yet.