

# **Employer Feedback Survey**

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

## **Program Profile BS Civil Engineering**

Prepared by:

Kimberly Brantley  
Office of Institutional Research  
June 2007

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 Civil Engineering			
	2001	2002	2003	All Years
Daytona Beach	3	2	2	7

**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	7	55.2%	44.8%

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		7
Aerospace	Wtd Col %	10.0%
Airport	Wtd Col %	9.9%
Government	Wtd Col %	17.7%
Military	Wtd Col %	27.4%
Other	Wtd Col %	35.1%

**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	7	55.0%	45.0%

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	7	27.6%	62.5%	10.0%

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	7	90.0%	10.0%

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 %
Daytona Beach	7	10.0%	90.0%

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 involvement level	
		Make Final Decision	No Involvement
		Wtd Row %	Wtd Row %
Daytona Beach	7	72.6%	27.4%

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 %
Daytona Beach	7	29.8%	70.2%

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

	Unwtd # of Respondents	Anticipated changes to organization's need for av/aero professionals	
		Increased Need	No Changes
		Wtd Row %	Wtd Row %
Daytona Beach	3	61.3%	38.7%

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**

	Unwtd # of Respondents	Education of ERAU Graduate Meets Company's Needs	
		Strongly Agree	Agree
		Wtd Row %	Wtd Row %
Daytona Beach	7	10.0%	90.0%

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

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

	Unwtd # of Respondents	Graduate is a Valuable Employee		
		Strongly Agree	Agree	Neutral
		Wtd Row %	Wtd Row %	Wtd Row %
Daytona Beach	7	19.9%	70.2%	10.0%

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

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

	Unwtd # of Respondents	Graduate is a Good Candidate for Promotion		
		Strongly Agree	Agree	Neutral
		Wtd Row %	Wtd Row %	Wtd Row %
Daytona Beach	7	19.9%	70.2%	10.0%

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	
		Somewhat Higher	Equivalent
		Wtd Row %	Wtd Row %
Daytona Beach	7	37.6%	62.4%

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

Program Profile - BS Civil Engineering

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

Daytona Beach

	BS Civil Engineering													
	Unwtd # of Respond ents	Employer's Usefulness of Skill on the Job			Unwtd # of Respond ents	Competence of this ERAU Graduate				Unwtd # of Respond ents	Competence of Graduates from Other Institutions			
		Very Useful	Somew hat Useful	Not Useful		Excellent	Good	Average	Poor		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 %
Quantitative/mathematics	7	37.7%	62.3%	.0%	7	19.9%	44.9%	35.2%	.0%	7	27.4%	72.6%	.0%	.0%
Basic PC software (word processing, spreadsheets, etc.)	7	82.6%	.0%	17.4%	7	27.4%	27.4%	45.2%	.0%	6	33.2%	45.3%	21.5%	.0%
Writing skills (non-technical)	7	37.7%	62.3%	.0%	7	.0%	10.0%	90.0%	.0%	7	.0%	27.4%	72.6%	.0%
Technical writing	7	47.7%	34.9%	17.4%	6	.0%	33.6%	66.4%	.0%	6	.0%	12.1%	54.3%	33.6%
Speaking before an audience	7	27.7%	44.9%	27.4%	7	.0%	19.9%	80.1%	.0%	7	.0%	27.4%	62.6%	10.0%
Applied research (information gathering and analysis)	7	55.1%	44.9%	.0%	7	10.0%	10.0%	70.1%	10.0%	7	.0%	72.6%	27.4%	.0%
Critical thinking	7	72.6%	27.4%	.0%	7	10.0%	10.0%	80.1%	.0%	7	10.0%	44.9%	45.2%	.0%
Independent work	6	45.3%	54.7%	.0%	7	27.4%	27.4%	45.2%	.0%	7	10.0%	44.9%	45.2%	.0%
Planning, scheduling, and carrying out projects	7	64.8%	35.2%	.0%	7	27.4%	17.4%	45.2%	10.0%	7	27.4%	17.4%	55.1%	.0%
Defining and solving problems	7	82.6%	17.4%	.0%	7	.0%	44.9%	55.1%	.0%	7	17.4%	27.4%	55.1%	.0%
Working in groups/teams	7	82.6%	17.4%	.0%	7	27.4%	.0%	62.6%	10.0%	7	27.4%	17.4%	55.1%	.0%
Leading/guiding others	7	27.4%	72.6%	.0%	7	10.0%	17.4%	62.6%	10.0%	7	27.4%	17.4%	55.1%	.0%
Responsible actions and decision making	7	82.2%	17.8%	.0%	7	17.4%	10.0%	72.6%	.0%	7	.0%	54.8%	45.2%	.0%
Understanding other people and other points of view	7	72.6%	27.4%	.0%	7	10.0%	.0%	80.1%	10.0%	7	10.0%	17.4%	72.6%	.0%
Environmental awareness	7	37.7%	52.3%	10.0%	5	13.7%	.0%	86.3%	.0%	5	13.7%	.0%	86.3%	.0%
Political and economic awareness	7	27.7%	44.9%	27.4%	5	.0%	13.7%	86.3%	.0%	5	.0%	37.8%	62.2%	.0%
Knowledge of political/physical geography	4	27.9%	72.1%	.0%	3	.0%	.0%	100.0%	.0%	3	.0%	38.6%	61.4%	.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'

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

Program Profile - BS Civil Engineering

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

Daytona Beach

	BS Civil Engineering													
	Unwtd # of Respond ents	Usefulness of skill on the Job			Unwtd # of Respond ents	Competence of this ERAU Graduate				Unwtd # of Respond ents	Competence of other Graduates			
		(1) Very Useful	(2) Somew hat Useful	(3) Not Useful		(1) Very Good	(2) Good	(3) Average	(4) Poor		(1) Very Good	(2) Good	(3) Average	(4) Poor
		Wtd Row %	Wtd Row %	Wtd Row %		Wtd Row %	Wtd Row %	Wtd Row %	Wtd Row %		Wtd Row %	Wtd Row %	Wtd Row %	Wtd Row %
(A) Airport planning and design	6	11.1%	39.1%	49.8%	3	22.1%	38.6%	39.3%	.0%	3	22.1%	.0%	.0%	77.9%
(B) Transportation engineering	6	11.1%	58.5%	30.4%	4	15.9%	27.9%	56.2%	.0%	4	15.9%	27.9%	28.4%	27.9%
(C) Hydraulics/hydrology	6	58.1%	11.1%	30.8%	4	.0%	72.0%	28.0%	.0%	4	28.0%	44.0%	28.0%	.0%
(D) Materials testing	6	30.4%	30.4%	39.1%	4	.0%	50.0%	50.0%	.0%	4	.0%	50.0%	50.0%	.0%
(E) Construction eng/mgmt	6	60.9%	.0%	39.1%	4	.0%	81.8%	18.2%	.0%	4	31.8%	50.0%	18.2%	.0%
(F) Soil mechanics	6	38.8%	11.1%	50.2%	3	.0%	61.1%	38.9%	.0%	3	.0%	100.0%	.0%	.0%
(G) Pavement design	6	11.1%	58.5%	30.4%	3	22.1%	.0%	77.9%	.0%	3	22.1%	.0%	.0%	77.9%
(H) Structural analysis and design	6	11.1%	49.8%	39.1%	3	.0%	53.3%	46.7%	.0%	4	.0%	18.2%	50.0%	31.8%
(I) Computer skills for civil eng analysis/design	6	49.8%	30.8%	19.4%	5	24.0%	62.2%	.0%	13.7%	5	24.0%	37.8%	38.2%	.0%
(J) CAD	6	60.9%	19.7%	19.4%	5	24.0%	62.2%	.0%	13.7%	5	37.8%	24.0%	38.2%	.0%
(K) Environmental engineering	6	50.2%	19.4%	30.4%	4	.0%	72.1%	27.9%	.0%	4	.0%	43.8%	56.2%	.0%
(L) Understand/adapt to challenges of civil eng	6	69.6%	11.1%	19.4%	5	13.7%	72.5%	13.7%	.0%	6	30.4%	38.8%	30.8%	.0%
(M) Apply skills/ knowledge to problems	6	69.6%	30.4%	.0%	6	11.1%	58.5%	19.4%	11.1%	6	30.4%	38.8%	30.8%	.0%
(N) Recognize need to cont. prof. development	6	88.9%	11.1%	.0%	6	30.4%	39.1%	30.4%	.0%	5	37.8%	24.0%	38.2%	.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'



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

*Class of 2002*

Good mathematical background and analytical thinking

He's 'stick' skills, considering he got a good deal of civilian rating in the civilian world at ERAU.

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

***Class of 2002***

His attention to detail and study habits at times. (Name omitted), often thought that by civilian knowledge and ability to fly a Cessna would carry him through Navy flight training. Sorry, but not so. The primary trainer is much more advanced than most G/A aircraft and requires a good deal more skill. Not to mention that the Navy teaches their students to operate it at the edge of the envelope.

***Class of 2003***

Writing and persuasion skills.