

Employer Feedback Survey

Classes of 2002, 2003, 2004 & 2005, 1 1/2 Years After Graduation

Program Profile

MS Industrial Optimization

Prepared by:
Jessica Beyer
Office of Institutional Research
November 2008

This Program Profile contains Employer Feedback Survey results for this degree program only, for the Classes of 2002, 2003, 2004 & 2005. 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.**

	MS Industrial Optimization	
	2005	All Years
Worldwide Campus	6	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	3-5 years	More than 5 years
		Wtd Row %	Wtd Row %
Worldwide Campus	6	65.1%	34.9%

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**

		Worldwide Campus
Unwtd # of Respondents		6
Aerospace industry	Wtd Col %	71.7%
Airline	Wtd Col %	6.6%
Other (aviation)	Wtd Col %	21.7%

**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 %
Worldwide Campus	6	71.7%	28.3%

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	6-10	11-50	Over 50
		Wtd Row %	Wtd Row %	Wtd Row %	Wtd Row %	Wtd Row %
Worldwide Campus	6	21.7%	28.3%	21.7%	21.7%	6.6%

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 %
Worldwide Campus	6	50.0%	50.0%

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 %
Worldwide Campus	6	28.3%	71.7%

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	Provide Input	No Involvement
		Wtd Row %	Wtd Row %	Wtd Row %
Worldwide Campus	6	71.7%	6.6%	21.7%

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	
		No Preference	Some Preference for Other Graduates
		Wtd Row %	Wtd Row %
Worldwide Campus	6	78.3%	21.7%

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		
		Strong Preference	Some Preference	No Preference
		Wtd Row %	Wtd Row %	Wtd Row %
Worldwide Campus	6	50.0%	6.6%	43.4%

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	
		Very Important	Somewhat Important
		Wtd Row %	Wtd Row %
Worldwide Campus	6	21.7%	78.3%

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

	Unwtd # of Respondents	Anticipated changes to organization's need for av/aero professionals	
		Increased Need	No Changes
		Wtd Row %	Wtd Row %
Worldwide Campus	6	56.6%	43.4%

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
		Wtd Row %
Worldwide Campus	6	100.0%

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
		Wtd Row %
Worldwide Campus	6	100.0%

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
		Wtd Row %
Worldwide Campus	6	100.0%

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 %
Worldwide Campus	5	8.4%	91.6%

ERAU General Skills Preparation and Usefulness on the Job

Worldwide Campus MS Industrial Optimization

		Unwtd #	Employer's Usefulness of Skill on the Job		Unwtd #	Competence of this ERAU Graduate			Unwtd #	Competence of Graduates from Other Institutions			
			Very Useful	Somewhat Useful		Excellent	Good	Average		Excellent	Good	Average	Poor
			Wtd %	Wtd %		Wtd %	Wtd %	Wtd %		Wtd %	Wtd %	Wtd %	Wtd %
Quantitative/mathematics	2005	6	65.0%	35.0%	5	27.7%	36.2%	36.2%	5	27.7%	72.3%	.0%	.0%
	All Years	6	65.0%	35.0%	5	27.7%	36.2%	36.2%	5	27.7%	72.3%	.0%	.0%
Basic PC software (word processing, spreadsheets, etc.)	2005	6	100.0%	.0%	5	27.7%	44.6%	27.7%	5	27.7%	63.8%	8.5%	.0%
	All Years	6	100.0%	.0%	5	27.7%	44.6%	27.7%	5	27.7%	63.8%	8.5%	.0%
Writing skills (non-technical)	2005	6	100.0%	.0%	5	8.5%	63.8%	27.7%	5	.0%	63.8%	36.2%	.0%
	All Years	6	100.0%	.0%	5	8.5%	63.8%	27.7%	5	.0%	63.8%	36.2%	.0%
Technical writing	2005	6	56.6%	43.4%	5	8.5%	36.2%	55.4%	5	.0%	63.8%	36.2%	.0%
	All Years	6	56.6%	43.4%	5	8.5%	36.2%	55.4%	5	.0%	63.8%	36.2%	.0%
Speaking before an audience	2005	6	100.0%	.0%	5	.0%	63.8%	36.2%	5	.0%	63.8%	36.2%	.0%
	All Years	6	100.0%	.0%	5	.0%	63.8%	36.2%	5	.0%	63.8%	36.2%	.0%
Applied research (information gathering and analysis)	2005	6	100.0%	.0%	5	55.4%	36.2%	8.5%	5	27.7%	44.6%	27.7%	.0%
	All Years	6	100.0%	.0%	5	55.4%	36.2%	8.5%	5	27.7%	44.6%	27.7%	.0%
Critical thinking	2005	6	100.0%	.0%	5	27.7%	72.3%	.0%	5	.0%	72.3%	27.7%	.0%
	All Years	6	100.0%	.0%	5	27.7%	72.3%	.0%	5	.0%	72.3%	27.7%	.0%
Independent work	2005	6	100.0%	.0%	5	27.7%	72.3%	.0%	5	.0%	72.3%	27.7%	.0%
	All Years	6	100.0%	.0%	5	27.7%	72.3%	.0%	5	.0%	72.3%	27.7%	.0%
Planning, scheduling, and carrying out projects	2005	6	78.3%	21.7%	5	36.2%	36.2%	27.7%	5	.0%	72.3%	27.7%	.0%
	All Years	6	78.3%	21.7%	5	36.2%	36.2%	27.7%	5	.0%	72.3%	27.7%	.0%
Defining and solving problems	2005	6	78.3%	21.7%	5	55.4%	44.6%	.0%	5	27.7%	72.3%	.0%	.0%
	All Years	6	78.3%	21.7%	5	55.4%	44.6%	.0%	5	27.7%	72.3%	.0%	.0%
Working in groups/teams	2005	6	100.0%	.0%	5	63.8%	36.2%	.0%	5	27.7%	44.6%	27.7%	.0%
	All Years	6	100.0%	.0%	5	63.8%	36.2%	.0%	5	27.7%	44.6%	27.7%	.0%
Leading/guiding others	2005	6	78.3%	21.7%	5	27.7%	44.6%	27.7%	5	27.7%	8.5%	63.8%	.0%
	All Years	6	78.3%	21.7%	5	27.7%	44.6%	27.7%	5	27.7%	8.5%	63.8%	.0%
Responsible actions and decision making	2005	6	100.0%	.0%	5	27.7%	63.8%	8.5%	5	.0%	72.3%	.0%	27.7%
	All Years	6	100.0%	.0%	5	27.7%	63.8%	8.5%	5	.0%	72.3%	.0%	27.7%
Understanding other people and other points of view	2005	5	76.8%	23.2%	5	36.2%	36.2%	27.7%	5	.0%	63.8%	8.5%	27.7%
	All Years	5	76.8%	23.2%	5	36.2%	36.2%	27.7%	5	.0%	63.8%	8.5%	27.7%
Environmental awareness	2005	6	65.0%	35.0%	5	27.7%	27.7%	44.6%	5	.0%	36.2%	63.8%	.0%
	All Years	6	65.0%	35.0%	5	27.7%	27.7%	44.6%	5	.0%	36.2%	63.8%	.0%
Political and economic awareness	2005	6	65.0%	35.0%	5	.0%	55.4%	44.6%	5	.0%	36.2%	63.8%	.0%
	All Years	6	65.0%	35.0%	5	.0%	55.4%	44.6%	5	.0%	36.2%	63.8%	.0%

ERAU Preparation response options for the Class of 2003: '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'

