

# ALUMNI SURVEY

## Four to Five Years After Graduation

### Embry-Riddle Aeronautical University

### College of Engineering - Daytona Beach

**Directions:** Be sure to read all options before selecting an answer. All responses are confidential. When you are finished with the entire survey, click the "SUBMIT" button at the bottom of the form. If you make a mistake or wish to start over, click the "RESET" button also at the bottom of the form.

**Note:** It is important to let your responses navigate you through the survey and not use the "back" or "forward" buttons of your browser.

Please type your colleague ID number in the space provided below. (Refer to cover letter)

Colleague  
ID

#### EDUCATIONAL PLANS

**1. Have you taken the GRE/GMAT/MCAT/LSAT, etc. since you graduated from ERAU?**

☐ Yes

☐ No (if selected, will skip to Q3)

**2. What were your score(s)?**

##### **GRE**

Writing

Verbal

Quantitative

##### **GMAT**

Writing

Verbal

Quantitative

##### **MCAT**

Writing

Verbal

Biological  
Science

Physical  
Science

##### **LSAT**

Overall Score

**3. Have you attended school at any time after you received your degree from ERAU?**

- ☐ Yes
- ☐ No (will skip to Q15)

**4. When did you first enroll in school after you received your degree from ERAU?**

- ☐ Within 1 year
- ☐ 2-3 years
- ☐ 4-5 years

**5. Are you currently enrolled in school?**

- ☐ Yes (will skip to Q8)
- ☐ No (continue with Q6)

**6. Have you received any degree(s) since you graduated from ERAU?**

- ☐ Yes
- ☐ No (skip to Q8)

**7. When did you graduate?**

**Month:**

--Click Here-- ▼
January
February
March
April
May
June
July
August
September
October
November
December

**Year:**

--Click Here-- ▼
2003
2004
2005
2006
2007
2008

**8. What is the name of the institution you are (or were) attending?**

**9. In what school/program did you enroll in after you received your degree from ERAU? (choose one)**

- ☐ Arts and Sciences
- ☐ Aeronautical/Aviation/Aerospace (Excluding Engineering programs)
- ☐ Business
- ☐ Education
- ☐ Engineering
- ☐ Other:

**10. What degree or certificate are (or were) you working towards at this school? (choose one)**

- ☐ Courses not leading to a degree/certificate
- ☐ Vocational or Technical certificate
- ☐ Associate's degree
- ☐ Baccalaureate degree
- ☐ Post-baccalaureate degree or certificate
- ☐ Master's degree
- ☐ Post-master's certificate
- ☐ Doctoral degree (Ph.D., Ed.D., etc.)
- ☐ Professional degree (J.D., M.D., D.V.M., etc.)
- ☐ Other

**11. Name of this degree program/major:**

**12. On what basis are (or were) you PRIMARILY enrolled?**

- ☐ Full-time
- ☐ Part-time

**13. How closely was your coursework related to your field of study at ERAU?**

- ☐ Closely related
- ☐ Somewhat related
- ☐ Not related

**14. How would you rate the PREPARATION you received at ERAU for your continuing education?**

☐ Excellent

☐ Good

☐ Average

☐ Poor

☐ Very Poor

## **EMPLOYMENT PLANS**

**15. What is your present employment status?**

- ☐ Employed full-time
- ☐ Employed part-time
- ☐ Not employed (will skip to Q25)

**16. Read all the following options; then choose which one best describes your present employment status in the past year or since you graduated from ERAU:**

- ☐ Presently employed (continue with Q17)
- ☐ Out of the work force due to continuing education (if selected will skip to Q26)
- ☐ Out of work force, actively seeking employment (if selected, will skip to Q25)
- ☐ Out of the work force due to other reasons

If due to other reasons,  
please specify

**17. How long have you been employed at your present position?**

- ☐ Less than 1 year
- ☐ 1-2 years
- ☐ 3-4 years
- ☐ 5 years or more

**18. Which area best describes your field of work? (choose one)**

- ☐ Aerospace industry
- ☐ Airline
- ☐ Airport (operations, managerial, etc.)
- ☐ Air Traffic Controller
- ☐ Charter/freight
- ☐ Computer industry\*
- ☐ Corporate aviation
- ☐ Education (flight instructor excluded)\*
- ☐ FBO (flight instructor, maintenance, management, etc.)
- ☐ Flight training (OTHER than FBO)
- ☐ Government\*
- ☐ Manufacturing (design, etc.)\*
- ☐ Material/Equipment Supplier
- ☐ Military\*
- ☐ Sales/Customer Service
- ☐ Other (aviation):

- ☐ Other (non-aviation):

\*Includes aviation and non-aviation jobs

**19. What is your annual starting salary at your present position BEFORE taxes?**

**\$**

**20. Please specify your position and employer information:**

**Your Title:**

**Employer/Company:**

**Name of Direct Supervisor:**

**Department:**

**Supervisor's Email:**

**Street:**

**City:**

State:

--Click Here--

▼

Alabama  
Alaska  
Arizona  
Arkansas  
California  
Colorado  
Connecticut  
Delaware  
District of Columbia  
Georgia  
Florida  
Hawaii  
Idaho  
Illinois  
Indiana  
Iowa  
Kansas  
Kentucky  
Louisiana  
Maine  
Maryland  
Massachusetts  
Michigan  
Minnesota  
Mississippi  
Missouri  
Montana  
Nebraska  
Nevada  
New Hampshire  
New Jersey  
New Mexico  
New York  
North Carolina  
North Dakota  
Ohio  
Oklahoma  
Oregon  
Pennsylvania  
Rhode Island  
South Carolina  
South Dakota  
Tennessee  
Texas  
Utah  
Virginia  
Washington  
West Virginia  
Wisconsin  
Wyoming

Zip Code:



**21. Are you currently working as a professional pilot?**

- ☐ Yes  
☐ No

**If yes, what type?**

- ☐ Air freight pilot  
☐ Commercial  
☐ Corporate/charter pilot  
☐ Flight Instructor  
☐ Military Pilot  
☐ Other pilot:

**22. How closely related is your present position to your degree?**

- ☐ Closely related  
☐ Somewhat related  
☐ Not related

**23. Did the degree you received from ERAU lead directly to a: (fill in all that apply)**

- ☐ New Job  
☐ Promotion  
☐ Pay Raise  
☐ Other:

- ☐ None of the above

**24. Which of the following contributed directly to obtaining your present position? (Mark all that apply)**

- ☐ Currently/previously employed prior to graduation
- ☐ ERAU Industry/Career Expo
- ☐ ERAU Internship, co-op, or bridge program
- ☐ ERAU Career Services office/EagleTRAK or EagleHIRE Network
- ☐ ERAU faculty/academic department
- ☐ ERAU ROTC program
- ☐ Company Website
- ☐ Professional conference (NBAA, HFES, etc)
- ☐ Military
- ☐ Personal networking/own research
- ☐ Recruitment Firm (Lucas Group, Manpower, etc.)
- ☐ Friend/family member
- ☐ Career network website (Monster, HotJobs, CareerBuilder, etc.)
- ☐ Another ERAU graduate
- ☐ eaglesNEST alumni website
- ☐ Other:

**25. If not employed, why?**

**26. For what reason (if any) did you leave your last position?**

**27. How many positions prior to your present position have you had, related or somewhat related to your ERAU degree?**

--Click Here-- ▼

- 0
- 1
- 2
- 3
- 4
- 5 or more

**1st job after graduating from ERAU:**

**Company:**

**Your job title:**

**2nd job after graduating:**

**Company:**

**Your job title:**

**3rd job after graduating:**

**Company:**

**Your job title:**

**5th job after graduating:**

**Company:**

**Your job title:**

**4th job after graduating:**

**Company:**

**Your job title:**

**28. Please tell us how ERAU services (eg. Career Services, ERAU Alumni Association, your academic department, etc.) could help in your career development**

## How often

Read *The Leader*

--Click Here-- ▼

1 or more times a week

Once a month

2-3 times a month

1-5 times a year

6-11 times a year

Never

Read *eagleNEWS* monthly newsletter

--Click Here-- ▼

Contacted the ERAU Career Center

--Click Here-- ▼

Contacted the ERAU faculty/academic department

--Click Here-- ▼

Read the *Avion/Horizons* student newspaper

--Click Here-- ▼

Contacted other ERAU graduates

--Click Here-- ▼

Visited the ERAU Website

--Click Here-- ▼

Contacted the EaglesNest Online Alumni Community

--Click Here-- ▼

Read Aviation publications

--Click Here-- ▼

Contacted Alumni groups at my locality

--Click Here-- ▼

Attended Homecoming

--Click Here-- ▼

Read *LIFT*

--Click Here-- ▼

Visited a campus

--Click Here-- ▼

Used the EagleHIRE/EagleTRAK job search database

--Click Here-- ▼

Attended the Industry/Career Expo

--Click Here-- ▼

Other

--Click Here-- ▼

If other, please specify:

**What is your preferred email address?**

**Comments:**

**30. Do you belong to any professional societies or organizations? (choose one)**

- ☐ Yes, one or more related to my ERAU degree
- ☐ Yes, none related to my ERAU degree
- ☐ No

**31. Do you have any FAA certificates or licenses?**

- ☐ Yes
- ☐ No

**If yes, indicate when you obtained them, in relation to your enrollment at ERAU.**

	Before ERAU	During ERAU	After ERAU
A&P	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Private Pilot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial Pilot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ATP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CFI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CFII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BGI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AGI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
FE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
IGI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ME Rating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Instrument Rating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Type Rating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**a) Rate your current ability level**

--Click Here--	▼
Very High Ability	
High Ability	
Moderate Ability	
Low Ability	


[illegible]

**b) Rate usefulness to current job or goal**

Quantitative/Mathematics	--Click Here-- ▼
	Very Useful Useful Not Very Useful Not At All Useful
Basic PC software (word processing, spreadsheets, etc.)	--Click Here-- ▼
Writing skills (non-technical)	--Click Here-- ▼
Technical writing	--Click Here-- ▼
Speaking before an audience	--Click Here-- ▼
Applied research (information gathering and analysis)	--Click Here-- ▼
Critical thinking	--Click Here-- ▼
Independent work	--Click Here-- ▼
Planning, scheduling, and carrying out projects	--Click Here-- ▼
Defining and solving problems	--Click Here-- ▼
Working in groups/teams	--Click Here-- ▼
Leading/guiding others	--Click Here-- ▼
Responsible actions and decision making	--Click Here-- ▼
Understanding other people and other points of view	--Click Here-- ▼
Recognize the need to continue professional development throughout one's career (life-long learning)	--Click Here-- ▼
Environmental awareness	--Click Here-- ▼
Political and economic awareness	--Click Here-- ▼
Knowledge of political and physical geography	--Click Here-- ▼



### c) Rate ERAU's preparation

--Click Here--	
Very high Preparation	
High Preparation	
Moderate Preparation	
Little Preparation	

[illegible]

## Daytona Beach

Please select the degree you received from ERAU from the list below. You will then be taken to a set of degree-specific skills provided by your degree program. For each skill listed, provide a response assessing your academic preparation.

When you are finished with the skills from your degree, continue to question #34.

**Note:** Some degree programs DO NOT have degree-specific skills. In that case, when you select your degree from the list, you will be automatically skipped to the following question (#34).

**Please select the degree level:**

- ☐ Bachelors
- ☐ Masters

### **33. BACHELOR'S DEGREES**

- ☐ BS Aerospace Engineering
- ☐ BS Civil Engineering
- ☐ BS Computer Engineering
- ☐ BS Computer Science
- ☐ BS Software Engineering

## **MASTER'S DEGREES**

- ☐ M Aerospace Engineering
- ☐ MS Aerospace Engineering
- ☐ M Software Engineering

**a) Rate your current ability level**

[illegible]

**b) Rate usefulness to current job or goal**

Knowledge of mathematics and physical science

--Click Here-- ▼

Very Useful

Useful

Not Very Useful

Not At All Useful

Knowledge of fundamental engineering sciences

--Click Here-- ▼

Design and conduct experiments

--Click Here-- ▼

Analyze and interpret experimental data

--Click Here-- ▼

Knowledge of aerodynamics

--Click Here-- ▼

Knowledge of aircraft performance

--Click Here-- ▼

Knowledge of flight mechanics or spacecraft dynamics

--Click Here-- ▼

Knowledge of aerospace materials

--Click Here-- ▼

Knowledge of aircraft or spacecraft structures

--Click Here-- ▼

Knowledge of propulsion

--Click Here-- ▼

Knowledge of orbital mechanics

--Click Here-- ▼

Knowledge of control systems

--Click Here-- ▼

Knowledge of circuits, electronics, or instrumentation

--Click Here-- ▼

Identify, formulate, and solve engineering problems

--Click Here-- ▼

Use computer aided engineering and programming tools

--Click Here-- ▼

Design an aircraft or spacecraft system, component, or mission to meet desired needs

--Click Here-- ▼

Understand the impact of engineering decisions on society and the environment

--Click Here-- ▼

Understand professional and ethical responsibility

--Click Here-- ▼

Recognize the need to continue professional development throughout one's career

--Click Here-- ▼

### c) Rate ERAU's preparation

[illegible]

**a) Rate your current ability level**

	--Click Here-- Very High Ability High Ability Moderate Ability Little Ability
	--Click Here--
	--Click Here--
	--Click Here--
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	--Click Here--
	--Click Here--
	--Click Here--

**b) Rate usefulness to current job or goal**

Airport planning and design	--Click Here-- Very Useful Useful Not Very Useful Not At All Useful
Transportation engineering	--Click Here--
Hydraulics/hydrology	--Click Here--
Materials testing	--Click Here--
Construction engineering and management	--Click Here--
Soil mechanics	--Click Here--
Pavement design	--Click Here--
Structural analysis and design	--Click Here--
Computer skills for civil engineering analysis and design	--Click Here--
CAD	--Click Here--
Environmental engineering	--Click Here--
Understand and adapt to the challenges of contemporary civil engineering	--Click Here--
Apply interdisciplinary skills and knowledge to actual problems	--Click Here--
Recognize the need to continue professional development throughout one's career	--Click Here--

### c) Rate ERAU's preparation

[illegible]



**a) Rate your current ability level**

	--Click Here-- Very High Ability High Ability Moderate Ability Little Ability
	--Click Here--
	--Click Here--
	--Click Here--
	--Click Here--
	--Click Here--
	--Click Here--
	--Click Here--
	--Click Here--
	--Click Here--
	--Click Here--
	--Click Here--
	--Click Here--

**b) Rate usefulness to current job or goal**

Apply knowledge of mathematics, science, and engineering	--Click Here-- Very Useful Useful Not Very Useful Not At All Useful
Design and conduct experiments	--Click Here--
Analyze and interpret data	--Click Here--
Design a computer system or component to meet desired needs within realistic constraints	--Click Here--
Implement computer programs and computational processes to meet desired needs	--Click Here--
Function on multi-disciplinary teams	--Click Here--
Identify, formulate, and solve engineering problems	--Click Here--
Understand professional and ethical responsibility	--Click Here--
Communicate effectively	--Click Here--
Understand the impact of engineering solutions in a global and societal context	--Click Here--
Engage in life-long learning	--Click Here--
Understand contemporary issues in computer engineering	--Click Here--
Use modern engineering tools	--Click Here--

### c) Rate ERAU's preparation

--Click Here--	
Very High Preparation	
High Preparation	
Moderate Preparation	
Little Preparation	
--Click Here--	
--Click Here--	
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**a) Rate your current ability level**

	--Click Here-- Very High Ability High Ability Moderate Ability Little Ability
	--Click Here--
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	--Click Here--
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	--Click Here--
	--Click Here--

**b) Rate usefulness to current job or goal**

Understand and apply object-oriented programming concepts to the development of software modules	--Click Here-- Very Useful Useful Not Very Useful Not At All Useful
Understand and apply algorithm design concepts and techniques to the design of software modules	--Click Here--
Understand and apply data structures theory to the design of software modules	--Click Here--
Apply theory of modularity, abstraction, and information hiding to the design of software systems	--Click Here--
Understand the fundamental concepts of computer organization and architecture	--Click Here--
Understand the fundamental concepts of real-time computing	--Click Here--
Understand the theory and use of operating systems	--Click Here--
Apply software engineering concepts to specify, design, construct, and test a software product	--Click Here--
Understand the interrelationship between computer hardware and software fundamentals	--Click Here--
Apply scientific, mathematical, and engineering concepts, methods, and tools to the solution of software engineering problems	--Click Here--
Use defined life-cycle engineering processes designed to produce software systems that meet functional, quality, economic, and schedule requirements	--Click Here--
Understand and appreciate an engineer's professional and ethical responsibilities	--Click Here--
Understand and appreciate the importance of life-long learning	--Click Here--

### c) Rate ERAU's preparation

--Click Here--	
Very High Preparation	
High Preparation	
Moderate Preparation	
Little Preparation	
--Click Here--	
--Click Here--	
--Click Here--	
--Click Here--	
--Click Here--	
--Click Here--	
--Click Here--	
--Click Here--	
--Click Here--	
--Click Here--	

**a) Rate your current ability level**

[illegible]

**b) Rate usefulness to current job or goal**

### Apply knowledge of mathematics, science, and engineering

--Click Here--  
Very Useful  
Useful  
Not Very Useful  
Not At All Useful

Design and conduct experiments	<a href="#">--Click Here--</a>
Analyze and interpret data	<a href="#">--Click Here--</a>
An ability to design and implement a software system, component, or process to meet desired needs	<a href="#">--Click Here--</a>
Function on multi-disciplinary teams	<a href="#">--Click Here--</a>
Identify, formulate, and solve engineering problems	<a href="#">--Click Here--</a>
Understand professional and ethical responsibility	<a href="#">--Click Here--</a>
Communicate effectively	<a href="#">--Click Here--</a>
Understand the impact of engineering solutions in a global and societal context	<a href="#">--Click Here--</a>
Engage in life-long learning	<a href="#">--Click Here--</a>
Understand contemporary issues in software engineering	<a href="#">--Click Here--</a>
Use modern engineering tools	<a href="#">--Click Here--</a>

### c) Rate ERAU's preparation

--Click Here--

- Very High Preparation
- High Preparation
- Moderate Preparation
- Little Preparation

[illegible]

**a) Rate your current ability level**

--Click Here--	▼
Very High Ability	
High Ability	
Moderate Ability	
Little Ability	

	--Click Here--	▼
	--Click Here--	▼
	--Click Here--	▼
	--Click Here--	▼
	--Click Here--	▼

**b) Rate usefulness to current job or goal**

Ability to work independently on new scientific/engineering projects

--Click Here--	▼
Very Useful	
Useful	
Not Very Useful	
Not At All Useful	

Ability to design novel experiments	--Click Here--	▼
Knowledge of aerodynamics	--Click Here--	▼
Knowledge of aircraft structures	--Click Here--	▼
Knowledge of aerospace materials	--Click Here--	▼
Knowledge of computational techniques	--Click Here--	▼

**c) Rate ERAU's preparation**

--Click Here--	▼
Very High Preparation	
High Preparation	
Moderate Preparation	
Little Preparation	

	--Click Here--	▼
	--Click Here--	▼
	--Click Here--	▼
	--Click Here--	▼
	--Click Here--	▼

**a) Rate your current ability level**

	<div>--Click Here--<div>Very High Ability High Ability Moderate Ability Little Ability</div></div>	
	<div>--Click Here--</div>	
	<div>--Click Here--</div>	
	<div>--Click Here--</div>	
	<div>--Click Here--</div>	
	<div>--Click Here--</div>	

**b) Rate usefulness to current job or goal**

Ability to apply software engineering processes (e.g. PSP, TSP, and CMMI) to the development of software products	<div>--Click Here--<div>Very Useful Useful Not Very Useful Not At All Useful</div></div>
Ability to use software engineering methods and tools for the analysis and specification of software requirements	<div>--Click Here--</div>
Ability to use software engineering methods and tools for the analysis and specification of software architecture and design	<div>--Click Here--</div>
Ability to use software engineering methods and tools for software construction	<div>--Click Here--</div>
Ability to use software engineering methods and tools for the verification and validation of software systems	<div>--Click Here--</div>
Ability to communicate effectively and to perform successfully as part of a team	<div>--Click Here--</div>
Ability to use software engineering methods, techniques, and tools as they relate to the management of software development	<div>--Click Here--</div>

**c) Rate ERAU's preparation**

	<div>--Click Here--<div>Very High Preparation High Preparation Moderate Preparation Little Preparation</div></div>	
	<div>--Click Here--</div>	
	<div>--Click Here--</div>	
	<div>--Click Here--</div>	
	<div>--Click Here--</div>	
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**34. What courses, projects, or experiences in your degree program have been the most valuable to you?**

**35. What weaknesses do you see in your degree program?**

**36. Additional comments about your time at ERAU or needs as an alumnus:**