EMBRY-RIDDLE
Aeronautical University

DB ALUMNI SURVEY
One Year After Graduation

Directions: Please read all options before selecting an answer. All responses are confidential.

1. What is your preferred email address?

EMPLOYMENT PLANS

2. What is your present employment status? *(If selecting "Not Employed", skip to question 14 on next page)*

- ☐ Employed full-time
- ☐ Employed part-time
- ☐ Not employed

3. How soon after graduation did you begin employment?

- ☐ Employed at time of graduation
- ☐ 1 - 3 Months
- ☐ 4 - 6 Months
- ☐ 6 - 9 Months
- ☐ More than 9 months after graduation

4. Through what source did you find your job?

- ☐ Company website
- ☐ ERAU Career Services Office/EagleHire Network
- ☐ ERAU faculty/academic department
- ☐ ERAU Industry/Career Expo
- ☐ Internship, co-op, or direct hire
- ☐ ERAU ROTC Program/Military Recruiter
- ☐ ERAU Virtual Hiring Event
- ☐ Friend/family member
- ☐ LinkedIn
- ☐ On-Campus Company Info Session/Interview
- ☐ Online Job Board
- ☐ Self-employed/business owner
- ☐ Professional conference
- ☐ Other(s):

If Other, Please specify:

5. How closely related is your present position to your degree?

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

6. Did the degree you received from ERAU lead directly to a: (Please select all that apply)

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

If Other, Please specify:

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

- ☐ Aerospace
- ☐ Air Cargo
- ☐ Air Traffic Control
- ☐ Aircraft Sales
- ☐ Airline (Major)
- ☐ Airline (Regional)
- ☐ Airport
- ☐ Avionics
- ☐ Charter/Fractional/Non-121 Ops
- ☐ Commercial Space
- ☐ Consulting
- ☐ Corporate/Business Aviation
- ☐ Education (flight instructor excluded)
- ☐ Flight School
- ☐ General Aviation/FBO
- ☐ Government Services (Federal)
- ☐ Government Services (State/Local)
- ☐ Human Factors
- ☐ Insurance
- ☐ Logistics
- ☐ Maintenance Facility/MRO
- ☐ Manufacturing (Aerospace)
- ☐ Manufacturing (Aviation)
- ☐ Meteorology
- ☐ Military
- ☐ Professional Association/Organization
- ☐ Robotics
- ☐ Sales/Customer Service
- ☐ Security/Intelligence
- ☐ Simulation/Training
- ☐ UAV
- ☐ Other

Continued on the Next Page

8. Would you describe your current position of employment as: (*COE Graduates Only*)

- ☐ Private for-profit sector, excepting academic
- ☐ Public (government, any level) sector
- ☐ Private not-for-profit/NGO sector, excepting academic
- ☐ Academic sector

9. I have a career in aerospace, aviation, or a related field. (*COE Graduates Only*) ☐ Yes ☐ No

If No, Please describe current career domain _____

10. Are you supervising other engineers? (*COE Graduates Only*) ☐ Yes ☐ No

11. In which of the following areas do you do, or have you done, work (check all that apply): (*COE Graduates Only*)

- ☐ Alternative Energy
- ☐ Automotive
- ☐ Avionics
- ☐ CAD/CAM
- ☐ Certification
- ☐ Design
- ☐ Guidance, Navigation, and Control (GNC)
- ☐ Modeling and Simulation
- ☐ Power Systems
- ☐ Propulsion
- ☐ Requirements
- ☐ Software
- ☐ Structures
- ☐ Testing, Validation, Verification
- ☐ Unmanned Systems
- ☐ Other

EMPLOYER INFORMATION

12. Please specify your position and employer information:

Your Title: _____

Employer/Company: _____

Name of Direct Supervisor: _____

Department: _____

Supervisor's Email: _____

Mailing Address: _____

13. What is your annual starting salary at your present position BEFORE taxes? _____

14. Which one category BEST describes your current employment status in the past year or since you graduated from ERAU?

- ☐ Out of the work force due to continuing education
- ☐ Out of the work force and actively seeking employment
- ☐ Out of the work force due to other reasons

EDUCATIONAL PLANS

15. Are you currently attending or have you attended school at any time after you received your degree from ERAU? *(If selecting "I have no plans to attend graduate or professional school", skip to General Skills on the next page)*

- ☐ I have received a graduate degree
- ☐ Currently attending graduate school
- ☐ I have been accepted but not yet started
- ☐ I plan to attend in the future
- ☐ I have no plans to attend graduate or professional school

16. 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

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

- ☐ Courses not leading to a degree/certificate
- ☐ Baccalaureate degree
- ☐ Master's degree
- ☐ Doctoral degree
- ☐ Other

18. On what basis are you PRIMARILY enrolled? ☐ Full-time ☐ Part-time

19. How closely is your course work related to your field of study at ERAU?

☐ Closely related ☐ Somewhat related ☐ Not related

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

☐ Excellent ☐ Good ☐ Average ☐ Poor ☐ Very Poor

GENERAL SKILLS

For each general education competency listed below, please rate the following:

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Apply knowledge of college-level mathematics	☐	☐	☐	☐
☐	☐	☐	☐	Construct effective written documents for technical and non-technical audiences	☐	☐	☐	☐
☐	☐	☐	☐	Communicate ideas in non-written forms (oral and visual)	☐	☐	☐	☐
☐	☐	☐	☐	Conduct and report research in accordance with professional standards	☐	☐	☐	☐
☐	☐	☐	☐	Recognize the importance of ethical responsibility	☐	☐	☐	☐
☐	☐	☐	☐	Identify some important results of scientific inquiry and use scientific information in critical thinking and decision-making	☐	☐	☐	☐
☐	☐	☐	☐	Use technology to communicate ideas	☐	☐	☐	☐
☐	☐	☐	☐	Apply economic principles to identify and solve problems	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate an understanding of the values communicated through the humanities	☐	☐	☐	☐
☐	☐	☐	☐	Describe some of the historical and contemporary issues that affect societies	☐	☐	☐	☐
☐	☐	☐	☐	Recognize the complexity of human experience from a variety of perspectives	☐	☐	☐	☐

RESEARCH SKILLS

For each research skill listed below, please rate the following:

Usefulness to current job/goal					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Define and/or articulate a research problem	☐	☐	☐	☐
☐	☐	☐	☐	Design a course of action to solve a research problem	☐	☐	☐	☐
☐	☐	☐	☐	Apply ethical principles in research methodologies and in the application of research results	☐	☐	☐	☐
☐	☐	☐	☐	Conduct research independently and/or collaboratively	☐	☐	☐	☐
☐	☐	☐	☐	Reach decisions or conclusions based on the analysis and synthesis of evidence	☐	☐	☐	☐
☐	☐	☐	☐	Communicate research results	☐	☐	☐	☐

EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Aeronautics

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Knowledge and understanding of aviation law and the regulatory process	☐	☐	☐	☐
☐	☐	☐	☐	Understanding and application of management theory/concepts	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge and understanding of economic principles	☐	☐	☐	☐
☐	☐	☐	☐	Use of statistical/quantitative techniques to solve problems	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge and understanding of the many facets of the aviation industry	☐	☐	☐	☐
☐	☐	☐	☐	Dealing with integrity issues	☐	☐	☐	☐
☐	☐	☐	☐	Development of moral character	☐	☐	☐	☐
☐	☐	☐	☐	Assertiveness in a leadership or subordinate role	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of scientific principles	☐	☐	☐	☐
☐	☐	☐	☐	Distinguish themselves as valuable employees in the varied employment areas available	☐	☐	☐	☐
☐	☐	☐	☐	Identify the influence and importance of the history of aviation	☐	☐	☐	☐
☐	☐	☐	☐	Illustrate their preparedness in technical writing skills	☐	☐	☐	☐

☐

EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Aerospace Engineering

Directions: Please read all options before selecting an answer. All responses are confidential.

Which track/specialization did you complete in Aerospace Engineering?

- ☐ Propulsion
- ☐ Aeronautics
- ☐ Astronautics

Usefulness to current job					Rate ERAU preparation			
	Very Useful	Useful	Not Very Useful	Not at all Useful	Very High	High	Moderate	Little
Engineering responsibilities and methodology	☐	☐	☐	☐	☐	☐	☐	☐
Professional activity and development	☐	☐	☐	☐	☐	☐	☐	☐
Technical communication	☐	☐	☐	☐	☐	☐	☐	☐
General education	☐	☐	☐	☐	☐	☐	☐	☐
Basic science and mathematics	☐	☐	☐	☐	☐	☐	☐	☐
Engineering mechanics	☐	☐	☐	☐	☐	☐	☐	☐
Aerodynamics and aeronautics	☐	☐	☐	☐	☐	☐	☐	☐
Thermal sciences and propulsion	☐	☐	☐	☐	☐	☐	☐	☐
Structures and materials	☐	☐	☐	☐	☐	☐	☐	☐
Electronics	☐	☐	☐	☐	☐	☐	☐	☐
Astronautics	☐	☐	☐	☐	☐	☐	☐	☐
Laboratories and data interpretation	☐	☐	☐	☐	☐	☐	☐	☐
Design	☐	☐	☐	☐	☐	☐	☐	☐
Support Hardware and Software	☐	☐	☐	☐	☐	☐	☐	☐

☐

EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Aerospace Electronics

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Knowledge of math and physical science.	☐	☐	☐	☐
☐	☐	☐	☐	Ability to communicate effectively, including both written and verbal communication skills.	☐	☐	☐	☐
☐	☐	☐	☐	Ability to function in teams.	☐	☐	☐	☐
☐	☐	☐	☐	Conduct experiments and interpret experimental data.	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of circuits, electronics and instrumentation.	☐	☐	☐	☐
☐	☐	☐	☐	Identify and solve electrical and electronic circuit problems.	☐	☐	☐	☐
☐	☐	☐	☐	Use computer aided circuit analysis tools. Knowledge of contemporary issues.	☐	☐	☐	☐
☐	☐	☐	☐	Understand professional and ethical responsibility.	☐	☐	☐	☐
☐	☐	☐	☐	A recognition of, and the ability to engage in lifelong learning.	☐	☐	☐	☐

☐

EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Applied Meterology

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Understanding the history, mission, purpose and duty priority of air traffic control	☐	☐	☐	☐
☐	☐	☐	☐	Understanding the principles of flight and the pilot's environment	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of basic communications and air traffic control phraseology	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of Instrument Approach Procedure (IAP), Departure Procedure (DP), and Standard Arrival Route (STAR) Charts	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of VFR Sectional Charts, VFR Terminal Charts, IFR Enroute Low Altitude Charts, IFR Enroute High Altitude Charts	☐	☐	☐	☐
☐	☐	☐	☐	Understanding of basic weather fundamentals, weather systems, and hazardous weather	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge and ability to interpret meteorological reports: METARs, Terminal Area Forecasts, AIRMETs, SIGMETs, and PIREPs	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of air traffic control strip marking: enroute and terminal	☐	☐	☐	☐
☐	☐	☐	☐	Understanding of Radar separation procedures, airspace to be protected speed adjustments, vectoring techniques and traffic coordination applicable to Air traffic Control operations	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of basic VFR Control Tower operations, including duties and responsibilities associated with the operating positions of local control, ground control, and flight data/clearance delivery	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of Federal Aviation Regulations as they pertain to Air Traffic Control	☐	☐	☐	☐
☐	☐	☐	☐	Understanding of Air Route Traffic Control Center operations as they pertain to radar separation of aircraft	☐	☐	☐	☐
☐	☐	☐	☐	Understanding of Air Route Traffic Control Center operations as they pertain to non-radar separation of aircraft	☐	☐	☐	☐

☐

EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Aviation Maintenance Science

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Ability to apply knowledge of meteorology, math, and the sciences in general to projects, services and assignments	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge and ability to utilize techniques, skills, and computer resources for weather data gathering, analysis, interpretation, and product generation	☐	☐	☐	☐
☐	☐	☐	☐	Ability to function in teams.	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of professional and ethical responsibilities	☐	☐	☐	☐
☐	☐	☐	☐	Ability to express complex weather concepts in terms that others can understand using both written and verbal communication methods	☐	☐	☐	☐
☐	☐	☐	☐	A recognition of the need for, and an ability to engage in, life-long learning	☐	☐	☐	☐
☐	☐	☐	☐	A knowledge of contemporary meteorological problems, issues, and programs for both research and user applications	☐	☐	☐	☐
☐	☐	☐	☐	Ability to use techniques, skills, and modern technology for meteorological professional practices	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of the national and international aviation environment which relate to weather	☐	☐	☐	☐
☐	☐	☐	☐	Ability to apply pertinent meteorological knowledge in identifying and solving problems for both yourself and for customers	☐	☐	☐	☐

☐

ALUMNI SURVEY - One Year After Graduation
DB - BS Aerospace and Occupational Safety (Safety Science)

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Developed programs or processes to identify, evaluate and control health and safety hazards in the workplace	☐	☐	☐	☐
☐	☐	☐	☐	Applied the principles of fire prevention, suppression, and life safety	☐	☐	☐	☐
☐	☐	☐	☐	Assessed the emergency response program of my current employer	☐	☐	☐	☐
☐	☐	☐	☐	Applied the fundamentals of industrial hygiene and toxicology to assess potential health hazards in the workplace	☐	☐	☐	☐
☐	☐	☐	☐	Applied systems safety analysis techniques such as FMEA, FTA, Job Safety Analysis, etc., to identify and prioritize hazards in human-machine systems	☐	☐	☐	☐
☐	☐	☐	☐	Utilized aviation safety reporting systems and safety data sources	☐	☐	☐	☐
☐	☐	☐	☐	Addressed the threat of workplace violence	☐	☐	☐	☐
☐	☐	☐	☐	Developed, test and maintain an emergency response plan, that may include evacuation procedures, first responders, and Aircraft Rescue and Fire Fighting	☐	☐	☐	☐
☐	☐	☐	☐	Have an understanding of federal human resources statutes such as ADA, legal torts, and contracts as it relates to safety/risk management in aviation and occupation workplace law	☐	☐	☐	☐
☐	☐	☐	☐	Developed and maintain a comprehensive workplace safety program	☐	☐	☐	☐
☐	☐	☐	☐	Have had an opportunity to reference or explain an OSHA and/or EPA regulation	☐	☐	☐	☐
☐	☐	☐	☐	Applied DOT regulation to the application of different classes of hazardous materials	☐	☐	☐	☐
☐	☐	☐	☐	Have been exposed to FAA regulations pertaining to aircraft operations	☐	☐	☐	☐
☐	☐	☐	☐	Evaluated a workplace for compliance with federal regulations that might include an airport, FBO, maintenance or manufacturing operation	☐	☐	☐	☐
☐	☐	☐	☐	Been exposed to Workers' Compensation practices	☐	☐	☐	☐
☐	☐	☐	☐	Initiated and/or participated in an accident investigation that might include an aircraft accident investigation in accordance with the requirements of the NTSB and FAA or other relevant regulatory bodies	☐	☐	☐	☐
☐	☐	☐	☐	Evaluate the role of human error (fatigue, biorhythms, vision, instrument or control layout, etc.) as it relates to human performance and accident causation and prevention	☐	☐	☐	☐
☐	☐	☐	☐	If working for an airline or FBO, had an opportunity to be exposed to principles of crash survival to the design and outfitting of aircraft	☐	☐	☐	☐
☐	☐	☐	☐	If working for an airline or FBO, completed a "Crash Survival Analysis" rating for various fixed-wing rotor aircraft	☐	☐	☐	☐
☐	☐	☐	☐	Had the opportunity to work on teams	☐	☐	☐	☐
☐	☐	☐	☐	Write and formulate a technical report	☐	☐	☐	☐
☐	☐	☐	☐	Utilized professional presentation skills	☐	☐	☐	☐
☐	☐	☐	☐	Have had an opportunity to compile safety related data, conduct analysis of that data and/or present the data to a group of employees or managers	☐	☐	☐	☐

EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Aeronautical Science

Directions: Please read all options before selecting an answer. All responses are confidential.

Which track/specialization did you complete in Aeronautical Science?

- ☐ Airline Pilot
- ☐ Commercial Pilot
- ☐ Military Pilot

Are you flying professionally?

- ☐ Yes
- ☐ No

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	An ability to apply knowledge of mathematics, science, and applied sciences	☐	☐	☐	☐
☐	☐	☐	☐	An ability to analyze and interpret data	☐	☐	☐	☐
☐	☐	☐	☐	An ability to function on multi-disciplinary teams	☐	☐	☐	☐
☐	☐	☐	☐	Access, analyze, and communicate information using multiple means/media	☐	☐	☐	☐
☐	☐	☐	☐	An ability to communicate effectively, including both written and verbal communication skills	☐	☐	☐	☐
☐	☐	☐	☐	A recognition of the need for, and an ability to engage in, life-long learning	☐	☐	☐	☐
☐	☐	☐	☐	A knowledge of contemporary issues	☐	☐	☐	☐
☐	☐	☐	☐	An ability to use the techniques, skills, and modern technology necessary for professional practice	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of the national and international aviation environment	☐	☐	☐	☐
☐	☐	☐	☐	An ability to apply pertinent knowledge in identifying and solving problems	☐	☐	☐	☐

☐

EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Air Traffic Management

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Understanding the history, mission, purpose and duty priority of air traffic control	☐	☐	☐	☐
☐	☐	☐	☐	Understanding the principles of flight and the pilot's environment	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of basic communications and air traffic control phraseology	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of Instrument Approach Procedure (IAP), Departure Procedure (DP), and Standard Arrival Route (STAR) Charts	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of VFR Sectional Charts, VFR Terminal Charts, IFR Enroute Low Altitude Charts, IFR Enroute High Altitude Charts	☐	☐	☐	☐
☐	☐	☐	☐	Understanding of basic weather fundamentals, weather systems, and hazardous weather	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge and ability to interpret meteorological reports: METARs, Terminal Area Forecasts, AIRMETs, SIGMETs, and PIREPs	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of air traffic control strip marking: enroute and terminal	☐	☐	☐	☐
☐	☐	☐	☐	Understanding of Radar separation procedures, airspace to be protected speed adjustments, vectoring techniques and traffic coordination applicable to Air traffic Control operations	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of basic VFR Control Tower operations, including duties and responsibilities associated with the operating positions of local control, ground control, and flight data/clearance delivery	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of Federal Aviation Regulations as they pertain to Air Traffic Control	☐	☐	☐	☐
☐	☐	☐	☐	Understanding of Air Route Traffic Control Center operations as they pertain to radar separation of aircraft	☐	☐	☐	☐
☐	☐	☐	☐	Understanding of Air Route Traffic Control Center operations as they pertain to non-radar separation of aircraft	☐	☐	☐	☐

☐

EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Business Adminstration / Aviation Business Administration

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Applying management theory/concepts into a dynamic organizational environment	☐	☐	☐	☐
☐	☐	☐	☐	Applying accounting and financial information for decision making in a for-profit and not-for-profit entity	☐	☐	☐	☐
☐	☐	☐	☐	Integrate knowledge of macro- and micro-economics into managerial decision making	☐	☐	☐	☐
☐	☐	☐	☐	Applying statistical and/or quantitative techniques to problem solving in organizations	☐	☐	☐	☐
☐	☐	☐	☐	Integrate marketing concepts/practices into executing global market strategies	☐	☐	☐	☐
☐	☐	☐	☐	Formulate business decisions by incorporating ethical standards and principles	☐	☐	☐	☐
☐	☐	☐	☐	Access, analyze, and communicate information using multiple means/media	☐	☐	☐	☐
☐	☐	☐	☐	Understands the nature of business ethics and the role of social responsibility	☐	☐	☐	☐

☐

EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Computer Engineering

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Apply knowledge of mathematics and science	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design and conduct experiments, as well as analyze and interpret data	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	☐	☐	☐	☐
☐	☐	☐	☐	An ability to function on multi-disciplinary teams	☐	☐	☐	☐
☐	☐	☐	☐	An ability to identify, formulate, and solve engineering problems	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of professional and ethical responsibility	☐	☐	☐	☐
☐	☐	☐	☐	An ability to communicate effectively	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of the impact of engineering solutions in a global and societal context	☐	☐	☐	☐
☐	☐	☐	☐	A recognition of, and an ability to engage in, life-long learning	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of contemporary issues in computer engineering	☐	☐	☐	☐
☐	☐	☐	☐	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of real-time embedded computer systems	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Civil Engineering

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	An ability to apply knowledge of mathematics, science, and engineering	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design and conduct experiments, as well as analyze and interpret data	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design and realize a civil engineering system, component or process to meet desires/needs	☐	☐	☐	☐
☐	☐	☐	☐	An ability to function on multi-disciplinary teams	☐	☐	☐	☐
☐	☐	☐	☐	An ability to identify, formulate, and solve engineering problems	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of professional and ethical responsibility	☐	☐	☐	☐
☐	☐	☐	☐	An ability to communicate effectively	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of the impact of engineering solutions in a global and societal context	☐	☐	☐	☐
☐	☐	☐	☐	A recognition of, and an ability to engage in, life-long learning	☐	☐	☐	☐
☐	☐	☐	☐	A knowledge of contemporary issues	☐	☐	☐	☐
☐	☐	☐	☐	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Computational Mathmatics

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Apply knowledge of mathematics to an area of application	☐	☐	☐	☐
☐	☐	☐	☐	Write a mathematical proof	☐	☐	☐	☐
☐	☐	☐	☐	Analyze and interpret data	☐	☐	☐	☐
☐	☐	☐	☐	Model physical phenomena using differential equations	☐	☐	☐	☐
☐	☐	☐	☐	Use mathematical packages and software to solve scientific problems	☐	☐	☐	☐
☐	☐	☐	☐	Understand the impact of mathematics in developing technologies	☐	☐	☐	☐
☐	☐	☐	☐	Function on a multi-disciplinary team	☐	☐	☐	☐
☐	☐	☐	☐	Orally communicate mathematical ideas	☐	☐	☐	☐
☐	☐	☐	☐	Use numerical techniques to solve applied problems	☐	☐	☐	☐
☐	☐	☐	☐	Write computer code to implement a given mathematical algorithm	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Electrical Engineering

Directions: Please read all options before selecting an answer. All responses are confidential.

Which track/specialization did you complete in Electrical Engineering?

- ☐ Aerospace Systems
- ☐ Avionics
- ☐ None

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	An ability to apply knowledge of mathematics, science, and engineering	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design and conduct experiments, as well as analyze and interpret data	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	☐	☐	☐	☐
☐	☐	☐	☐	An ability to function on multi-disciplinary teams	☐	☐	☐	☐
☐	☐	☐	☐	An ability to identify, formulate, and solve engineering problems	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of professional and ethical responsibility	☐	☐	☐	☐
☐	☐	☐	☐	An ability to communicate effectively	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of the impact of engineering solutions in a global and societal context	☐	☐	☐	☐
☐	☐	☐	☐	A recognition of, and an ability to engage in, life-long learning	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of contemporary issues in electrical engineering	☐	☐	☐	☐
☐	☐	☐	☐	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Engineering Physics

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Apply knowledge of mathematics, science, and engineering	☐	☐	☐	☐
☐	☐	☐	☐	Design and conduct experiments	☐	☐	☐	☐
☐	☐	☐	☐	Analyze and interpret data	☐	☐	☐	☐
☐	☐	☐	☐	Design a system, component, or process to meet desired needs	☐	☐	☐	☐
☐	☐	☐	☐	Function on multi-disciplinary teams	☐	☐	☐	☐
☐	☐	☐	☐	Identify, formulate, and solve engineering problems	☐	☐	☐	☐
☐	☐	☐	☐	Understand professional and ethical responsibility	☐	☐	☐	☐
☐	☐	☐	☐	Communicate effectively	☐	☐	☐	☐
☐	☐	☐	☐	Understand the impact of engineering solutions in a global and societal context	☐	☐	☐	☐
☐	☐	☐	☐	Recognize and engage in life-long learning	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of contemporary issues	☐	☐	☐	☐
☐	☐	☐	☐	Use the techniques, skills, and modern engineering tools necessary for engineering practice	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of classical mechanics	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of engineering electricity and magnetism	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of space physics	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of quantum physics	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of space systems engineering and design	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of electro-optical engineering	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of microcomputers and electronic instrumentation	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Human Factors Psychology

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Knowledge of human psycho physiological, cognitive, and perceptual functioning	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of human factors involving analytic methods, models, and human capabilities and limitations	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of basic statistical procedures, including analysis of variance	☐	☐	☐	☐
☐	☐	☐	☐	Research methods and design skills	☐	☐	☐	☐
☐	☐	☐	☐	Effective oral and written communication skills	☐	☐	☐	☐
☐	☐	☐	☐	Ability to read, comprehend, and analyze results of published empirical studies in the human factors field	☐	☐	☐	☐
☐	☐	☐	☐	Understanding of the application of human factors and psychological knowledge in aviation and other applied domains	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Homeland Security

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Capability for students to work collaboratively and effectively on teams	☐	☐	☐	☐
☐	☐	☐	☐	Capability to deliver professional presentations and briefs.	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate the ability to recognize transnational and global homeland security or defense issues, strategies and operations.	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate the ability to design, conduct and evaluate exercises applicable to the disciplines of homeland security or defense.	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate knowledge of contemporary or emergent threats, challenges or issues including natural, manmade and technological hazards.	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate the ability to identify, describe and critically evaluate applicable homeland security or defense technologies.	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate an understanding of terrorism, its origins, ideologies and goals.	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate an understanding of infrastructures critical to the US and how best to protect them.	☐	☐	☐	☐
☐	☐	☐	☐	Provide the ability for students to understand and apply risk management tools to homeland security issues.	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate the ability to analyze environmental sources that destabilize regions and to characterize their relationship to US national security	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Interdisciplinary / Aerospace Studies

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Understand basic concepts in several areas of study, such as aeronautical science, business administration, and social sciences.	☐	☐	☐	☐
☐	☐	☐	☐	Understand the complex history and culture of one or more world regions	☐	☐	☐	☐
☐	☐	☐	☐	Develop vocabulary and writing skills that apply to specific communication contexts.	☐	☐	☐	☐
☐	☐	☐	☐	Appreciate and understand the complexity and magnitude of human production in literature, the visual arts, architecture, religion, and myth.	☐	☐	☐	☐
☐	☐	☐	☐	Develop skills in analytical interpretations of works in the humanities.	☐	☐	☐	☐
☐	☐	☐	☐	Appreciate and understand human moral, religious, or philosophical thinking and belief systems.	☐	☐	☐	☐
☐	☐	☐	☐	Garner skills and knowledge from intersecting minors to form a coherent body of knowledge.	☐	☐	☐	☐
☐	☐	☐	☐	Conduct analytical research that intersects with at least two areas of study or complete a co-operative experience that enhanced knowledge and skills gained in the classroom.	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Mechanical Engineering

Directions: Please read all options before selecting an answer. All responses are confidential.

Which track/specialization did you complete in Mechanical Engineering?

- ☐ High Performance Vehicles (HPV)
- ☐ Robotic Systems (RS)
- ☐ Clean Energy Systems (CES)

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	An ability to apply knowledge of mathematics, science, and engineering	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design and conduct experiments, as well as analyze and interpret data	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design and realize a thermal or mechanical system, component or process to meet desired needs	☐	☐	☐	☐
☐	☐	☐	☐	An ability to function on multi-disciplinary teams	☐	☐	☐	☐
☐	☐	☐	☐	An ability to identify, formulate, and solve engineering problems.	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of professional and ethical responsibility	☐	☐	☐	☐
☐	☐	☐	☐	An ability to communicate effectively.	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of the impact of engineering solutions in a global and societal context	☐	☐	☐	☐
☐	☐	☐	☐	A recognition of the need for, and an ability to engage in life-long learning	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of contemporary issues.	☐	☐	☐	☐
☐	☐	☐	☐	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Software Engineering

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	An ability to apply knowledge of mathematics, science, and engineering	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design and conduct experiments, as well as analyze and interpret data	☐	☐	☐	☐
☐	☐	☐	☐	An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	☐	☐	☐	☐
☐	☐	☐	☐	An ability to function on multi-disciplinary teams	☐	☐	☐	☐
☐	☐	☐	☐	An ability to identify, formulate, and solve engineering problems	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of professional and ethical responsibility	☐	☐	☐	☐
☐	☐	☐	☐	An ability to communicate effectively	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of the impact of engineering solutions in a global and societal context	☐	☐	☐	☐
☐	☐	☐	☐	A recognition of, and an ability to engage in, life-long learning	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of contemporary issues in software engineering	☐	☐	☐	☐
☐	☐	☐	☐	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	☐	☐	☐	☐
☐	☐	☐	☐	An understanding of real-time embedded computer systems	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - BS Space Physics

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Apply knowledge of mathematics and science	☐	☐	☐	☐
☐	☐	☐	☐	Design and conduct experiments	☐	☐	☐	☐
☐	☐	☐	☐	Analyze and interpret data	☐	☐	☐	☐
☐	☐	☐	☐	Identify, formulate, and solve scientific problems	☐	☐	☐	☐
☐	☐	☐	☐	Understand professional and ethical responsibility	☐	☐	☐	☐
☐	☐	☐	☐	Communicate effectively	☐	☐	☐	☐
☐	☐	☐	☐	Recognize and engage in life-long learning	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of contemporary issues	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of classical mechanics	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of electricity and magnetism	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of space physics	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of quantum mechanics	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of planetary science	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of astrophysics	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - M / MS Aerospace Engineering

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High Preparation	High	Moderate	Little
☐	☐	☐	☐	Ability to analyze and solve engineering problems	☐	☐	☐	☐
☐	☐	☐	☐	In one or more of the following subjects, ability to analyze and solve engineering problemsct areas: aerodynamics, aerospace materials, computational methods, controls, propulsion and structures	☐	☐	☐	☐
☐	☐	☐	☐	Preparation for a career in the aerospace industry	☐	☐	☐	☐
☐	☐	☐	☐	Preparation for further study	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - M Business Administration / MBA Aviation Business

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Apply key organizational concepts of group dynamics, leadership, conflict resolution, ethics and motivation in implementing organizational goals	☐	☐	☐	☐
☐	☐	☐	☐	Apply the concepts and strategies involved in planning, implementing and controlling, a marketing plan with special emphasis on aviation/aerospace organizations	☐	☐	☐	☐
☐	☐	☐	☐	Analyze financial statements and utilize corporate finance concepts and techniques in decision making within organizations	☐	☐	☐	☐
☐	☐	☐	☐	Access, analyze, and communicate information using multiple means/media	☐	☐	☐	☐
☐	☐	☐	☐	Apply statistical and quantitative analysis to solve business problems	☐	☐	☐	☐
☐	☐	☐	☐	Integrate knowledge of macro- and micro-economic concepts to support aviation/aerospace operations	☐	☐	☐	☐
☐	☐	☐	☐	Formulate and execute strategies and policies required to achieve organizational goals in the competitive environment of airlines, airports, aerospace, manufacturing, and government	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - MS Aeronautics

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Work collaboratively as a team with individual accountability and team building skills	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate problem-solving skills using scientific research methods	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate graduate level writing ability using APA format	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate professional communication and oral presentation skills using appropriate media	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate the ability to evaluate current industry issues or problems using critical thinking skills.	☐	☐	☐	☐
☐	☐	☐	☐	Demonstrate the use of technology appropriate to industry requirements.	☐	☐	☐	☐
☐	☐	☐	☐	Apply an ethical and professional framework to decision making.	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - M Software Engineering

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Ability to apply software engineering processes appropriate to the analysis or development of highly reliable software systems.	☐	☐	☐	☐
☐	☐	☐	☐	Ability to use software engineering methods, techniques, and tools as they relate to the following areas: analysis and specification of requirements, architecture, design, construction, and verification and validation.	☐	☐	☐	☐
☐	☐	☐	☐	Ability to communicate effectively and to perform successfully as part of a team.	☐	☐	☐	☐
☐	☐	☐	☐	Ability to use software engineering methods, techniques, and tools as they relate to the management of software development	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - MS Human Factors and Systems (Systems Engr)

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Knowledge of general systems concepts	☐	☐	☐	☐
☐	☐	☐	☐	Ability to apply the knowledge of reliability, maintainability, logistics, safety, and producibility to operational and design problems	☐	☐	☐	☐
☐	☐	☐	☐	Ability to identify human factors problems in operational environments	☐	☐	☐	☐
☐	☐	☐	☐	Ability to balance operational, behavioral, economic, and logistical factors in operations and design	☐	☐	☐	☐
☐	☐	☐	☐	Understanding and ability to apply statistical and quantitative techniques	☐	☐	☐	☐
☐	☐	☐	☐	Understanding and ability to apply the strategies involved in planning, implementing, and controlling a research plan	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - MS Human Factors and Systems (Human Factors Engr)

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Ability to identify human factors problems in operational environments	☐	☐	☐	☐
☐	☐	☐	☐	Knowledge of general systems concepts	☐	☐	☐	☐
☐	☐	☐	☐	Ability to apply the knowledge of human perception, cognition, and memory to operational and design problems	☐	☐	☐	☐
☐	☐	☐	☐	Understanding and ability to apply statistical and quantitative techniques	☐	☐	☐	☐
☐	☐	☐	☐	Understanding and ability to apply the strategies involved in planning, implementing, and controlling a research plan	☐	☐	☐	☐

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EMBRY-RIDDLE
Aeronautical University

ALUMNI SURVEY - One Year After Graduation
DB - PhD Engineering Physics

Directions: Please read all options before selecting an answer. All responses are confidential.

Usefulness to current job					Rate ERAU preparation			
Very Useful	Useful	Not Very Useful	Not at all Useful		Very High	High	Moderate	Little
☐	☐	☐	☐	Identify, formulate and solve space science and spacecraft engineering problems	☐	☐	☐	☐
☐	☐	☐	☐	Develop and apply expertise in advanced spacecraft engineering	☐	☐	☐	☐
☐	☐	☐	☐	Develop a mastery of scientific and engineering research techniques	☐	☐	☐	☐
☐	☐	☐	☐	Extend the knowledge base by producing and communicating original research	☐	☐	☐	☐

☐