

Class of 2012 GRADUATING STUDENT SURVEY PRESCOTT CAMPUS

Directions: Consider the degree you are receiving from ERAU in 2012 when completing this survey. 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.

What is your preferred email address?						
How strongly do you agree/disagree with the following	owing stateme	nts:				
	Strongly Agree	Agree	Neutral	Disagre e	Strongly Disagre e	
If I could start over again, I would choose to attend ERAU	<u>•</u>	\odot	0	•	0	
If I could start over again, I would select the same ERAU of	campus 🔘	•	<u>•</u>	•	<u>•</u>	
If I could start over again, I would select the same ERAU of If asked by a prospective student, I would recommend ER an education in my major	arripus	0	0	0	•	

I feel a sense of pride and loyalty toward ERAU

ERAU'S COLLEGE EXPER	RIENCE			
For each academic experi statements:	ence or co-curricular acti	vity listed below, provide a	a response to each of the	following
 a) Indicate the number of te 	rms, if any, that you were ir	nvolved in the following activ	ities or educational experie	nces
0 terms	1 term	2-3 terms	4+ terms	
lacktriangle	lacksquare	<u>•</u>	0	
0	<u> </u>	<u> </u>	•	
0	0	0	0	
<u>•</u>	<u>•</u>	<u>•</u>	•	
0	0	0	0	
<u>•</u>	<u>•</u>	<u>•</u>	•	
0	<u>O</u>	0	0	
<u> </u>	<u> </u>	<u>•</u>	•	
O	<u>•</u>	<u>•</u>	0	
<u> </u>	<u> </u>	<u>•</u>	<u>•</u>	
0	<u>O</u>	<u>•</u>	0	
<u>•</u>	<u> </u>	<u> </u>	<u> </u>	

b) My academic ex If you did no	perience or co- t participate in a Not Applicable					
Internship/Co-ops	<u> </u>	0	<u>O</u>	<u>· · · · · · · · · · · · · · · · · · · </u>	<u>O</u>	\odot
Study Abroad/ Exchange programs	<u>•</u>	<u>•</u>	<u>•</u>	•	<u>•</u>	<u>•</u>
Student Employment (off campus)	\odot	0	<u>C</u>	\odot	<u>•</u>	\odot
Student Employment (on campus)	<u></u>	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Community Service or volunteer work	<u>•</u>	0	0	0	<u>()</u>	0
SGA/Student Council	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Fraternities/sororities	<u>•</u>	0	<u>•</u>	0	0	0
On-campus clubs and organizations	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u></u>
Mentoring/tutoring other students	\odot	0	0	0	0	0
RA/Resident Life programs	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Intramural & Recreational Sports	<u>•</u>	0	<u>•</u>	•	<u>•</u>	<u>•</u>
Intercollegiate Athletics	<u>•</u>	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>

Which of the following ways do you plan to use to keep in touch with ERAU?							
	Yes	No					
Read The Leader	<u> </u>	•					
Read eagleNEWS monthly newsletter	<u> </u>	•					
Contact ERAU Career Center	<u>•</u>	•					
Contact ERAU faculty/academic department	<u> </u>	•					
Read the Avion/Horizons student newspaper	0	•					
Contact other ERAU graduates	<u>•</u>						
Visit the ERAU Website	<u>•</u>	•					
Contact the EaglesNest Online Alumni Community	<u>•</u>						
Read Aviation publications	lacksquare	0					
Contact Alumni groups at your locality	<u>•</u>						
Attend Homecoming	lacksquare	O					
Read <i>LIFT</i>	<u> </u>	•					
Visits to campus	\odot	0					
Other	<u> </u>	•					
I do not plan to keep in touch with ERAU	\odot	0					
If other, please specify:							
Do you belong to or plan to join any professional societies or o	rganizations?	(choose one)					
Yes, one or more related to my ERAU degree							
Yes, none related to my ERAU degree							
O No							
Do you have any FAA certificates or licenses?							
© Yes							
O No							

If yes, indicate when you obtained them, in relation to your enrollment at ERAU.								
	Before ERAU	During ERAU	Plan on Obtaining					
A&P	<u> </u>	<u> </u>	<u> </u>					
Private Pilot	<u> </u>	<u>•</u>	0					
Commercial Pilot	0	<u>•</u>	0					
ATP	<u> </u>	<u>•</u>	0					
CFI	0	0	0					
CFII	<u>•</u>	<u>•</u>	<u>•</u>					
BGI	0	<u>•</u>	\odot					
AGI	•	<u>•</u>	O					
FE	<u>•</u>	<u>O</u>	0					
IGI	<u>•</u>	<u>•</u>	<u> </u>					
ME Rating	<u>O</u>	0	0					
Instrument Rating	•	<u>•</u>	<u> </u>					
Type Rating	<u>O</u>	0	0					
Other	<u>•</u>	<u>•</u>	<u> </u>					
EDUCATIONAL PLANS								
Has it taken you MORE THAN 4 y	ears to complete your degree	requirements at ERAU	?					
C Yes								
O No								
How many additional semesters	beyond four years has it take	n you to graduate?						
© 1								
© 2								
O 3								
O 4								
0 5								
Other								
If other,								
please specify								

If yes, please indicate the reason(s) why: (select all that apply)						
I had to withdraw during a semester(s)						
I took a semester(s) off from school						
I changed majors						
Work/co-op/Internship caused me to take a reduced course load						
My degree program typically takes more than 4 years						
I am earning a double major						
I am earning a minor						
My required courses were not offered when needed						
Tuition and other costs of attendance limited my enrollment						
I lost credits when I transferred schools						
I experienced personal or family problems, including health						
I had family needs, eg. caring for children, got married						
I took a reduced course load to concentrate on academic grades						
I voluntarily took reduced loads to have more time for activities						
I experienced academic problems						
I was misinformed by advisor(s)						
I failed to seek advisor's help						
I participated in intercollegiate athletics						
I performed military service or ROTC						
Unable to finish on time due to flight requirements						
Other						
If other, please specify:						

Did you have to borrow money (money that MUST be repaid) to graduate from ERAU? O Yes No									
If yes, approximat how much?	ely \$								
Did you participat Yes No	e in the	ROTC	progran	n?					
Evaluate the prep		you rec		t ERAU					
	Excelle nt	Good	Averag e	Poor	Very Poor				
Becoming a military officer	\odot	0	\odot	<u>•</u>	$lue{}$				
Being a manager/leader	<u>•</u>	<u>•</u>	<u>•</u>	<u> </u>	<u>•</u>				
Were you commis Yes No	ssioned	throug	h ERAU	's prog	ram?				

For each general skill listed below, rate the following:

a) Compared to your	a) Compared to your FIRST year at ERAU, how would you describe your current skills/knowledge?									
Much Stronger	Stronger	No Change	Weaker	Much Weaker						
•	<u>•</u>	$lue{oldsymbol{\circ}}$	•	0						
O	<u>•</u>	<u></u>	<u>•</u>	<u>•</u>						
0	<u>•</u>	0	<u>O</u>	0						
9	<u> </u>	<u> </u>	<u> </u>	<u>•</u>						
•	<u>•</u>	0	<u>()</u>	0						
•	<u> </u>	<u> </u>	<u> </u>	<u>•</u>						
•	<u>•</u>	0	<u>()</u>	0						
<u></u>	<u> </u>	<u> </u>	<u> </u>	<u>•</u>						
•	<u>•</u>	0	<u>()</u>	0						
•	<u> </u>	<u> </u>	<u> </u>	<u>•</u>						
0	0	0	0	0						

b) To what extent		r experience ent of the fo			
	Very Much	Quite A Bit	Some	Very Little	Not at All
Apply knowledge of college-level mathematics for defining and solving problems	\odot	<u>•</u>	0	•	•
Construct effective written documents for technical and non-technical audiences	<u>•</u>	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>
Communicate ideas in non-written form, such as through oral presentations and visual media	\odot	0	0	<u>•</u>	•
Conduct and report research accurately and in accordance with professional standards	<u>•</u>	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>
Recognize the importance of ethical responsibility both professionally and socially	\odot	0	0	<u>•</u>	0
Identify some of the important results of scientific inquiry in the physical and natural sciences, and use scientific information in critical thinking and decision-making	<u>•</u>	<u></u>	<u>•</u>	•	<u>•</u>
Use technology to organize and manipulate information to communicate ideas and concepts	\odot	0	<u>O</u>	0	<u>•</u>
Apply economic principles to identify, formulate, and solve problems	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u> </u>
Demonstrate an awareness and understanding of the values communicated through the humanities	<u>•</u>	0	0	<u>•</u>	0
Describe some of the historical and contemporary issues that affect societies	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Recognize the complexity of human experience from a variety of perspectives, for example, cultural, aesthetic, social, technological, scientific, psychological, philosophical, and historical	0	0	0	O	<u>•</u>

ERAU'S PROGRAM EXPERIENCE

Did you have an Academic Advisor for your program?
○ Yes
○ No

Overall how would you rate your advisor in the following areas?								
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree			
My advisor spent sufficient time with me	\odot	\odot	0	0	\odot			
My advisor was accessible when I needed help	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>			
My advisor reviewed my academic record prior to giving advice	0	0	0	0	•			
My advisor understood my program requirements	<u>•</u>	<u>•</u>	<u> </u>	<u>•</u>	<u>•</u>			
My advisor understood my graduation requirements	0	\odot	0	0	<u>()</u>			
My advisor is someone I would recommend to others	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u> </u>			

How strongly do you agree/disagree with the following statements:							
	Strongly Agree	Agree	Disagree	Strongly Disagree			
If I could start over again, I would choose the same program/major	0	<u>•</u>	0	0			

<u>Major</u>	
0	BS Aeronautical Science
0	BS Aeronautics
0	BS Aerospace Engineering
0	BS Applied Meteorology
0	BS Aviation Business Administration
•	BS Aviation Environmental Science
0	BS Computer Engineering
0	BS Computer Science
0	BS Electrical Engineering
0	BS Global Security & Intelligence Studies
0	BS Interdisciplinary Studies
0	BS Mechanical Engineering
·	BS Space Physics
<u></u>	MS Safety Science

	Excellent	Good	Average	Poor	Very Poo
Quality of instruction	\odot	\odot	<u></u>	\odot	<u>•</u>
Quality of course content in your major field	<u>•</u>	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>
Academic PREPARATION for your INTENDED career	<u>•</u>	<u>•</u>	0	<u>•</u>	<u>•</u>
Quality of interactions with faculty	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Quality of interactions with staff	\odot	<u>•</u>	<u>•</u>	0	0

Do you h	nave a second Major
0	Yes
\odot	No
<u>Major</u>	
0	BS Aeronautical Science
0	BS Aeronautics
0	BS Aerospace Engineering
0	BS Applied Meteorology
0	BS Aviation Business Administration
0	BS Aviation Environmental Science
0	BS Computer Engineering
0	BS Computer Science
0	BS Electrical Engineering
0	BS Global Security & Intelligence Studies
0	BS Interdisciplinary Studies
0	BS Mechanical Engineering
0	BS Space Physics
0	MS Safety Science

	Excellent	Good	Average	Poor	Very Poo
Quality of instruction	<u>•</u>	0	<u>•</u>	0	<u>•</u>
Quality of course content in your major field	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Academic PREPARATION for your INTENDED career	<u>•</u>	0	<u>•</u>	<u>()</u>	<u>•</u>
Quality of interactions with faculty	<u>•</u>	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>
Quality of interactions with staff	<u> </u>	<u>•</u>	<u>•</u>	<u>O</u>	<u>•</u>

Did you complete a Senior Thesis?	
C Yes	
© No	

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
I was able to conduct interdisciplinary research, employing primary and secondary sources, tied to at least two minors	0	\odot	•	0	<u>•</u>
I authored a thesis, adhering to professional standards of organization, syntax, and grammar, that presents findings of that interdisciplinary research	•	•	•		9
Knowledge and skills gained from completing a Senior Thesis helped me to determine my choice of job/career/graduate study	0	•	0	0	•

Did you complete a Co-op experience?	
C Yes	
○ No	

If yes,					
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
	, .g. 00	, .g. 00		2.049.00	2.049.00
I garnered professional experience appropriate to intended career	\odot	0	•	0	<u>•</u>

	Very Much	Quite A Bit	Some	Very Little	Not At All
Understanding aerodynamic performance of aircraft powered by reciprocating and turbine engines	<u> </u>	<u> </u>	<u>•</u>	<u>•</u>	<u> </u>
Use of electronic navigation and flight control systems	<u>•</u>	<u> </u>	<u>•</u>	<u> </u>	<u>•</u>
Crew coordination (cockpit resource management)	\odot	•	<u>•</u>	\odot	\odot
Knowledge of flight physiology, awareness of flight psychology (human factors)	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>·</u>
Understanding of safety issues, employment of accident prevention techniques, safety program practices and management, and mishap investigation	•	<u>•</u>	•	•	<u>•</u>
Understanding the concepts and process of meteorology	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Instrument flight skill	\odot	0	\odot	<u>•</u>	<u>•</u>
Multi-engine/high performance aircraft operations	<u>•</u>	<u> </u>	<u>•</u>	<u>•</u>	<u> </u>
Knowledge of Federal Aviation Regulations	<u>•</u>	<u>•</u>	<u>·</u>	<u>•</u>	0
Aeronautical decision making (judgment skills)	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Actions, attitudes, and knowledge of security considerations	0	0	0	0	0
Dealing with integrity issues	<u>.</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Development of moral character	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Assertiveness in a leadership or subordinate role	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u> </u>
Ground/Flight training aptitude	<u>•</u>	<u>•</u>	<u>(</u>	<u>•</u>	<u>O</u>
Ability to adapt to and understand Ground/Flight training for initial aviation position	<u>•</u>	•	<u>•</u>	•	<u>•</u>
Foundation for understanding complex aircraft systems/navigation/operation in future aviation positions	0	0	<u>•</u>	0	0

BS Aeronautics To what extent has your experience at ERAU con knowledge?	tributed to	your developn	nent of the	following skil	ls or
G	Very Much	Quite A Bit	Some	Very Little	Not At All
Knowledge and understanding of aviation law and regulations	•	•	\odot	•	<u>•</u>
Understanding and application of management theory/concepts	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Knowledge and understanding of economic principles	\odot	0	\odot	<u>•</u>	\odot
Use of statistical/quantitative techniques to solve problems	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Knowledge and understanding of aviation, technology and operations, concepts, theory and applications	0	0	•	0	<u>•</u>
Knowledge and understanding of the many facets of the aviation industry	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Dealing with integrity issues	\odot	0	\odot	<u>•</u>	\odot
Development of moral character	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Assertiveness in a leadership or subordinate role	<u>·</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Knowledge and understanding of basic computer skills such as email, word processing, presentations, and spreadsheet software	•	0	•	•	•
Knowledge of scientific principles	<u>•</u>	0	<u>•</u>	<u>•</u>	<u>•</u>

	Very Much	Quite A Bit	Some	Very Little	Not At All
Knowledge of mathematics and physical science	0	<u> </u>	0	~	-
Knowledge of fundamental engineering sciences	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Design and conduct experiments	<u> </u>	<u> </u>	<u> </u>	<u> </u>	0
Analyze and interpret experimental data	<u>•</u>	<u> </u>	<u> </u>	<u>•</u>	<u>•</u>
Knowledge of aerodynamics	<u>O</u>	<u>•</u>	<u>•</u>	\odot	0
Knowledge of aircraft performance	<u>•</u>	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>
Knowledge of flight mechanics or spacecraft dynamics	0	0	<u>•</u>	0	0
Knowledge of aerospace materials	<u>•</u>	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>
Knowledge of aircraft or spacecraft structures	<u>•</u>	0	<u>•</u>	<u>•</u>	0
Knowledge of propulsion	<u></u>	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>
Knowledge of orbital mechanics	0	0	<u>·</u>	<u>•</u>	<u>•</u>
Knowledge of control systems	<u>•</u>	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>
Knowledge of circuits, electronics, or instrumentation	<u>•</u>	0	<u>·</u>	0	<u>•</u>
Identify, formulate, and solve engineering problems	<u>•</u>	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>
Use computer aided engineering and programming tools	<u>•</u>	0	<u>(</u>	<u>•</u>	<u>•</u>
Design an aircraft or spacecraft system, component, or mission to meet desired needs	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Understand the impact of engineering decisions on society and the environment	•	0	•	0	<u>(</u>
Understand professional and ethical responsibility	<u>•</u>	<u> </u>	<u>•</u>	<u> </u>	<u>•</u>
Recognize the need to continue professional development throughout one's career	•	0	•	<u>•</u>	<u>•</u>

BS Applied Meteorology To what extent has your experience at ERAU contributed to your development of the following skills or knowledge?							
	Very Much	Quite A Bit	Some	Very Little	Not At All		
Skills needed to provide weather services to customers	•	\odot	\odot	<u>•</u>	•		
Understand contemporary issues in atmospheric sciences	<u>•</u>	<u>•</u>	<u>•</u>	.	<u>•</u>		
Knowledge of techniques, skills, and computer models for weather data gathering, analysis, and product generation	0	0	0	0	0		
Ability to translate complex atmospheric features into the practical language of operational decision makers	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>		
Ability to work as a forecasting team member	\odot	O	\odot	•	\odot		
Understand the limits of current knowledge and need for continued learning	<u>•</u>	•	<u>•</u>	<u>•</u>	<u>•</u>		
Application of mathematical and physical principles of meteorology to society's problems	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	0		
Ability to utilize computers effectively in meteorological applications	<u></u>	<u> </u>	<u>•</u>	•	<u>•</u>		
Dealing with integrity issues	\odot	<u>•</u>	<u>•</u>	<u>(</u>	<u>•</u>		
Development of moral character	<u>•</u>	<u>•</u>	<u>.</u>	<u>•</u>	<u>.</u>		

knowledge?	Very Much	Quite A Bit	Some	Very Little	Not At All
Understanding and having the ability to apply management theory and concepts within an organization	• Very Much	Quite A Bit	O	Very Little	Not At All
Understanding and having the ability to apply marketing concepts in business and/or in the creation of a strategic marketing plan	•	0	<u> </u>	<u>•</u>	<u>•</u>
Understanding and having the ability to apply financial concepts in business decision making	0	0	0	0	0
Understanding and integrating knowledge of microeconomics into managerial decision making	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Understanding and integrating knowledge of macroeconomics into national and international policy decision making	•	0	0	0	0
Understanding and having the ability to apply accounting concepts in business operations and/or managerial decision making	•	O	•	•	<u></u>
Recognizing and considering ethical issues and social responsibility in managerial decision making	0	0	<u>•</u>	<u>•</u>	0
Understanding team member roles and experiencing team dynamics (challenges and opportunities), such that future team-based ventures can be confidently undertaken	O	O	<u> </u>	<u>•</u>	<u></u>
Recognizing legal issues and applying legal concepts in managerial decision making	0	0	0	<u>•</u>	0
Understanding the complexities associated with the aviation industry, from the perspective of an aviation and/ or business professional	O	O	<u> </u>	<u>•</u>	<u></u>
Understanding the challenges and opportunities associated with the global dimensions of business (including marketing, economics and management)	0	0	0	•	0
Utilizing technology, software (word processing, presentations, spreadsheets, website design, etc.) and information systems to create and communicate a message	0	•	0	•	<u> </u>

BS Computer Engr To what extent has your experience at ERAU contributed to your development of the following skills or knowledge?							
Miowicugo.	Very Much	Quite A Bit	Some	Very Little	Not At All		
Apply knowledge of mathematics, science, and engineering	•	0	0	0	0		
Design and conduct experiments	\odot	<u></u>	<u>•</u>	•	\odot		
Analyze and interpret data	<u>•</u>	0	\odot	•	0		
Design a computer system or component to meet desired needs	•	<u> </u>	<u></u>	<u>•</u>	<u>•</u>		
Implement computer programs and computational processes to meet desired needs	0	0	0	0	<u>•</u>		
Function on multi-disciplinary teams	<u>•</u>	<u>•</u>	<u>•</u>	.	<u>•</u>		
Identify, formulate, and solve engineering problems	<u>()</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>		
Understand professional and ethical responsibility	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>		
Communicate effectively	<u>O</u>	<u>•</u>	<u>•</u>	<u>()</u>	0		
Understand the impact of engineering solutions in a global and societal context	<u>•</u>	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>		
Engage in life-long learning	<u>()</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>		
Understand contemporary issues in computer engineering	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>		
Use modern engineering tools	<u>O</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>O</u>		

	Very Much	Quite A Bit	Some	Very Little	Not At All
Understand and apply object-oriented programming concepts to the development of software modules	•	0	•	<u>•</u>	0
Understand and apply algorithm design concepts and techniques to the design of software modules	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Understand and apply data structures theory to the design of software modules	O	0	\odot	•	<u>(</u>
Apply theory of modularity, abstraction, and information hiding to the design of software systems	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Understand the fundamental concepts of computer organization and architecture	<u>•</u>	0	<u>•</u>	<u>•</u>	•
Understand the fundamental concepts of real-time computing	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Understand the theory and use of operating systems	0	0	<u>·</u>	0	<u>()</u>
Apply software engineering concepts to specify, design, construct, and test a software product	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Understand the interrelationship between computer hardware and software fundamentals	O	0	\odot	•	<u>•</u>
Apply scientific, mathematical, and engineering concepts, methods, and tools to the solution of software engineering problems	•	9	•	•	•
Use defined life-cycle engineering processes designed to produce software systems that meet functional, quality, economic, and schedule requirements	•	•	•	•	•
Understand and appreciate an engineer's professional and ethical responsibilities	<u> </u>	•	<u> </u>	•	<u>•</u>
Understand and appreciate the importance of life-long learning	•	0	<u>•</u>	<u>•</u>	0

knowledge?	., ., .	0 11 4 511			
Apply knowledge of mathematics, science, and	Very Much	Quite A Bit	Some	Very Little	Not At All
engineering					
Design and conduct experiments	<u>•</u>	0	<u>•</u>	<u>•</u>	<u>•</u>
Analyze and interpret data	<u>•</u>	0	<u>•</u>	<u>•</u>	<u>O</u>
Design a computer system or component to meet desired needs	<u>•</u>	O	<u>•</u>	<u>•</u>	<u>.</u>
Implement computer programs and computational processes to meet desired needs	•	0	•	0	0
Function on multi-disciplinary teams	\odot	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>
Identify, formulate, and solve engineering problems	<u>•</u>	0	\odot	<u>•</u>	0
Understand professional and ethical responsibility	<u>•</u>	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>
Communicate effectively	<u>·</u>	0	<u>•</u>	<u>•</u>	<u>()</u>
Understand the impact of engineering solutions in a global and societal context	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Engage in life-long learning	<u>•</u>	0	<u>·</u>	0	<u>•</u>
Understand contemporary issues in electrical engineering	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Use techniques, skills, and modern engineering tools necessary for engineering practice	<u>•</u>	0	0	0	O
Demonstrate depth within specific sub-areas of electrical engineering such as control, communications, systems, circuit design, etc.	<u>•</u>	•	<u>•</u>	•	<u>•</u>

	Very Much	Quite A Bit	Some	Very Little	Not At All
Capability to write in the clear and precise formats required in the Intelligence and Security Communities, both public and private.	•	<u>•</u>	•	•	•
Ability to present oral briefings at a level comparable to those characteristic of the military, national security, intelligence, and corporate communities.	•	9	•	9	<u> </u>
A strong capacity to think critically and imaginatively to interpret the implications of developments critical to the national and/or corporate security.	•	<u>•</u>	•	•	•
To work effectively in teams on breaking issues, simulations and war gaming, emergency planning and management, and aviation security management.	•	•	•	•	•
Demonstrate basic oral competence and reading comprehension in a foreign language	0	0	<u>•</u>	0	0
Capacity to perform criminal justice investigations and crime scene forensic examinations.	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Demonstrate an understanding of the institutional and regulatory frameworks in the national security arenas, including aviation.	•	①	•	①	•
Demonstrate an overall knowledge of the Government of the United States, its Constitution and Laws.	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Demonstrate an understanding of History, in its widest sense, as the foundational discipline for the study of international relations, U.S. Foreign Policy, and intelligence studies.	0	0	•	•	0

BS Interdisciplinary Studies To what extent has your experience at ERAU con knowledge?	tributed to	your developn	nent of the	following skill	ls or
	Very Much	Quite A Bit	Some	Very Little	Not At All
Sufficient exposure to several areas of study, such as aeronautical science, business administration, and social sciences, to develop understanding of those disciplines beyond knowledge gleaned from General Education coursework	•	0	•	•	•
Understand the intersection of disciplinary knowledge and develop the ability to conduct research demonstrating interdisciplinary methodologies			<u></u>	•	①
Develop an understanding of the complex history and culture of one or more world regions	\odot	0	•	0	•
Develop vocabulary and writing skills pertinent to particular communication contexts	· •	<u></u>	<u></u>	<u>•</u>	<u>•</u>
Appreciate the complexity and magnitude of human production in the arts, such as graphic art, architecture, and literature, and to author analytical interpretations of those works	•	•	•	0	<u>•</u>
Appreciate and understand human moral, religious, or philosophical thinking and belief systems	<u>•</u>	<u></u>	<u></u>	<u>•</u>	<u>•</u>
Garner skills and knowledge from a combination of minors that intersect with one another to form a coherent body of knowledge	•	•	•	•	•

	Very Much	Quite A Bit	Some	Very Little	Not At All
Knowledge of mathematics and physical science	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	0
Knowledge of fundamental engineering sciences	\odot	<u>•</u>	\odot	<u>•</u>	<u>•</u>
Design and conduct experiments	\odot	0	<u>•</u>	0	0
Analyze and interpret experimental data	<u>•</u>	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>
Knowledge of machine design fundamentals	<u>•</u>	0	<u>•</u>	<u>•</u>	0
Knowledge of fluid mechanics, thermodynamics and the design of energy conversion systems	<u>•</u>	•	9	•	<u>•</u>
Knowledge of robotic mechanisms, actuation and control	<u>•</u>	\odot	\odot	<u>•</u>	•
Knowledge of gas turbine engine systems	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Knowledge of circuits, electronics and instrumentation	<u>•</u>	0	<u>(</u>	<u>•</u>	<u>•</u>
Identify, formulate and solve engineering problems	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	•
Use computer aided design and programming tools	<u>•</u>	<u>()</u>	<u>(</u>	<u>•</u>	<u>•</u>
Design a robotic or gas turbine system or component to meet desired needs	<u>•</u>	•	<u> </u>	•	<u>•</u>
Understand the impact of engineering decisions on society and the environment	0	0	<u>•</u>	0	<u>•</u>
Understand professional and ethical responsibility	\odot	<u>•</u>	<u> </u>	<u> </u>	<u>.</u>
Recognize the need to continue professional development through one's career	•	0	<u>•</u>	•	<u>•</u>

BS Space Physics To what extent has your experience at ERAU contributed to your development of the following skills or knowledge?							
	Very Much	Quite A Bit	Some	Very Little	Not At All		
Apply knowledge of mathematics and science	•	<u>C</u>	<u>•</u>	<u>•</u>	\odot		
Design and conduct experiments	<u></u>	<u>•</u>	<u>.</u>	<u>•</u>	<u>•</u>		
Analyze and interpret data	\odot	<u>•</u>	\odot	0	0		
Identify, formulate, and solve scientific problems	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>		
Understand professional and ethical responsibility	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>		
Communicate effectively	<u></u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>		
Recognize and engage in life-long learning	<u>•</u>	<u>()</u>	<u>•</u>	<u>•</u>	<u>O</u>		
Knowledge of contemporary issues	<u></u>	<u>•</u>	<u>.</u>	<u>•</u>	<u>•</u>		
Knowledge of classical mechanics	<u>•</u>	<u>()</u>	<u>•</u>	<u>•</u>	0		
Knowledge of electricity and magnetism	<u></u>	<u>•</u>	<u>.</u>	<u>•</u>	<u>•</u>		
Knowledge of space physics	\odot	<u> </u>	\odot	0	0		
Knowledge of quantum mechanics	<u> </u>	<u>•</u>	<u>.</u>	<u>•</u>	<u> </u>		
Knowledge of planetary science	O	<u>•</u>	·	<u>•</u>	0		
Knowledge of astrophysics	<u>.</u>	<u>•</u>	<u>•</u>	<u>•</u>	\odot		

MS Safety Science To what extent has your experience at ERAU contributed to your development of the second	velopm	ent of the	following	g skills c	or
	Very Much	Quite A Bit	Some	Very Little	Not At All
Ability to anticipate and recognize occupational health and safety problems in the industrial and aviation environments	<u>•</u>	\odot	•	•	\odot
Ability to evaluate occupational health and safety problems in the industrial and aviation environments	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	•
Ability to apply knowledge of occupational health and safety (industrial hygiene, ergonomics, occupational safety and aviation safety), along with data analyses, to the solution of both existing and new design problems in the industrial and aviation environments	•	•	•	•	()
Understanding and ability to apply statistical and quantitative techniques	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Understanding and ability to apply the strategies involved in planning, implementing, and controlling a research plan	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Dealing with integrity issues	<u>•</u>	<u>•</u>	\odot	<u>•</u>	<u>•</u>
Development of moral character	<u>•</u>	0	\odot	0	<u>•</u>
Assertiveness in a leadership or subordinate role	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>

Did you have a minor?
O Yes
O No
Choose Your Minors: What were your minors? (select up to three)
Air Traffic Control
Aviation Safety
Business Administration
Communication
Flight
Humanities
International Relations
Space Studies
Other (Please specify below)
Other (Please specify below)
Other (Please specify below)
If other, please specify:
specify.
If other, please
specify:
If other, please
specify:

Minor in Air Traffic Control To what extent has your experience at ERAU cor knowledge?	ntributed to	your develop	ment of the f	ollowing skil	ls or
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Understanding the history, mission, purpose and duty priority of air traffic control	•	•	•	•	•
Knowledge of Instrument Approach Procedure (IAP), Departure Procedure (DP), and Standard Arrival Route (STAR) Charts	9	•	•	•	•
Understanding of Radar separation procedures, airspace to be protected, speed adjustments, vectoring techniques and traffic coordination applicable to Air Traffic Control operations	•	0	•	•	•
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	<u></u>	•	<u>•</u>	•	•
Knowledge of Federal Aviation Regulations as they pertain to Air Traffic Control	n 🕝	0	0	0	\odot
Understanding of Air Route Traffic Control Center operations as they pertain to radar separation of aircraft	•	0	•	•	\odot

Minor in Business Administration To what extent has your experience at ERAU con knowledge?	tributed to y	our develop	ment of the f	ollowing skil	ls or
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Applying management theory/concepts into a dynamic organizational environment	•	<u>•</u>	0	0	0
Applying accounting and financial information for decision making in a for-profit and not-for-profit entity	<u>•</u>	<u>•</u>	<u>•</u>	<u> </u>	<u>•</u>
Integrate knowledge of macro- and micro-economics into managerial decision making	0	0	0	0	<u>•</u>
Applying statistical and/or quantitative techniques to problem solving in organizations	<u> </u>	<u>•</u>	<u></u>	<u> </u>	<u>•</u>
Integrate marketing concepts/practices into executing global market strategies	•	0	0	0	0
Formulate business decisions by incorporating ethical standards and principles	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>•</u>
Access, analyze, and communicate information using multiple means/media	•	0	0	0	<u>•</u>
Understands the nature of business ethics and the role of social responsibility	<u>•</u>	<u>•</u>	<u></u>	<u> </u>	<u>•</u>

Minor in Communication To what extent has your experience at ERAU conknowledge?	ntributed to y	our develop	ment of the f	ollowing skil	ls or
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Develop effective news and information gathering skills using interviews, print documents and Internet materials	•	0	0	0	0
Develop professional-quality writing skills, expressed in a variety of genres, directed at general and specific audiences	•	<u> </u>	<u>•</u>	<u>•</u>	<u></u>
Develop vocabulary and writing skills pertinent to particula communication contexts	ar 🕒	0	0	0	0
Develop teamwork communication skills appropriate to group projects	<u>•</u>	<u> </u>	<u></u>	O	<u>•</u>

Minor in Flight To what extent has your experience at ERAU coknowledge?	entributed to y	our develop	ment of the f	ollowing skil	ls or
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Understanding aerodynamic performance of aircraft powered by reciprocating and turbine engines	•	•	•	0	0
Instrument flight skill	<u>.</u>	<u>•</u>	<u></u>	<u></u>	<u>•</u>
Multi-engine/high performance aircraft operations	\odot	\odot	0	0	<u>•</u>
Knowledge of Federal Aviation Regulations	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>
Ground/Flight training aptitude	<u>•</u>	\odot	<u>•</u>	<u>•</u>	<u>•</u>

Minor in Humanities To what extent has your experience at ERAU contr knowledge?	ributed to y	our develop	ment of the f	ollowing skil	ls or
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Develop a broad knowledge of and appreciation for the complexity and magnitude of human productions in literature, the visual arts, architecture, religion, and myth, acquiring the ability to analyze and interpret them, as well as vivifying your understanding through writing	0	0	0	0	0
Develop a broad understanding of the relationship between humans and nature and the human and divine, as portrayed in a variety of cultural texts					•
Develop a broad knowledge of and appreciation for aesthetics and moral values across cultures and historical periods, acquiring the critical vocabulary to analyze and interpret them	•	0	•	•	•
Develop an understanding of the complexities of ethical decision-making, and to affirm, expand, or adapt your own values and ideals in response to those of other thinkers	<u></u>	•	•	<u>•</u>	•
Cultivate and refine the ability to imagine situations from someone else's point of view, as well as confronting different notations of a life well-lived, utilizing that knowledge in life	•	•	0	0	•

Minor in International Relations To what extent has your experience at ERAU cont knowledge?	ributed to y	our develop	ment of the f	ollowing skil	ls or
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Understand the impact and role of globalization in world politics	$lue{oldsymbol{\circ}}$	0	•	0	0
Develop a knowledge and understanding of the history and culture of one or more world regions	<u>•</u>	<u> </u>	<u>•</u>	<u>•</u>	<u>•</u>
Understand the complex interactions between the United States and one or more world regions	<u>•</u>	0	0	0	0
Develop the critical thinking and information gathering skills necessary to do research on topics dealing with history and international relations	•		•	•	<u></u>

W	hat do we need to do to make the degree more beneficial in a job search?
W	hat courses, projects, or experiences in your degree program have been the most valuable to you?
W	hat weaknesses do you see in your degree program?
Ac	dditional comments about your time at ERAU or needs as an alumnus:
	l l