















Research and Innovation

Goal 4: Advance ERAU's research enterprise through groundbreaking aerospace and aviation research, innovation and scholarly activity.

Strategies	Critical Tasks		Deadline	Date Completed
(1) Signature Research Areas: Focus resources in research center development and other select areas that yield external recognition for excellence to help elevate rankings and the value of degrees that students are earning.	(a)	Provide internal resource opportunities for research activity with high prospect for external funding.	Ongoing	
	(b)	Identify, review and reward faculty who have high scholarly productivity and external research funding.	Ongoing	
	(c)	Further establish cross-college, cross-campus and prospective cross-institutional collaborations through identification and support of new, as well as existing Centers of Excellence.	Ongoing	
	(d)	Improve visibility of the research enterprise, chiefly through earned media and external communication.	Ongoing	
	(e)	Continue the Presidential Fellow faculty hiring initiative in select areas of research.	Ongoing	
(2) Focused Graduate Programs: Build excellence in a limited number of graduate programs that can compete for national recognition.	(a)	Increase the number of graduate students who receive support through external funding.	Ongoing	
	(b)	Offer training to further facilitate graduate student fellowship awards from external entities.	Ongoing	
	(c)	Encourage graduate student authorship and presenter status on research dissemination activity.	Ongoing	
(3) Undergraduate Discovery: Integrate research as a critical element to enrich the undergraduate curriculum and spur innovation.	(a)	Implement research opportunities, entrepreneurial activities and research park student initiatives aimed at improving the undergraduate experience.	Ongoing	
	(b)	Increase experiential learning opportunities surrounding research to promote engagement and performance through building broader research supports for undergraduate students.	Ongoing	
	(c)	Promote undergraduate participation in research projects.	Ongoing	
	(d)	Offer guidance and support to undergraduate students applying for research awards and other research recognitions.	Ongoing	
(4) Innovation: Accelerate the advancement of processes, methods, and applications through discovery, innovation, and business and industry partnership.	(a)	Offer training to faculty on the process of intellectual property disclosure, technology transfer and commercialization.	Ongoing	
	(b)	Facilitate entrepreneurship training for faculty and students.	Ongoing	
	(c)	Increase licensing and commercialization of Embry-Riddle Intellectual Property.	Ongoing	

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Performance Metrics	FY-23 baseline	FY-24 Goal	FY-25 Goal	FY-26 Goal	FY-27 Goal	FY-28 Goal
Metric 1 - Research Productivity: Annual research expenditures.	\$31.9M	\$34.0M 	\$35.3M 	\$47.1M	\$38.0M	\$40.0M
Metric 2 - Doctoral Programs: Number of conferred doctoral degrees per year.	33	23 	23 	25	25	27
Metric 3 - Doctoral Student Support: Amount (\$) of external funds supporting doctoral students.	\$1.4M	\$1.2M 	\$1.3M 	\$1.6M	\$1.7M	\$1.8M
Metric 4 - Undergraduate Discovery and Innovation: Percentage of academic units that provide formal research and/or scholarly engagement activity for undergraduate students.	75%	75% 	80% 	85%	85%	90%
Metric 5 - Business Partnerships: Number/amount (\$) of grants received with collaborating industry partners.	41/ \$1.6M	12/\$1.4M 	13/\$1.5M 	42/\$1.5M	44/\$1.5M	46/\$1.6M
Metric 6 - Intellectual Property and Commercialization: Number of intellectual property disclosures, technology transfer agreements, and patents authored by faculty, students and staff.	11	11  	11  	12	12	13

  Goal exceeded by 2x;
  Goal achieved;
  Goal achieved at 90-99% level;
  Goal not achieved