

Minor in Research Foundations

The Minor in Research Foundations provides students with a comprehensive introduction to the principles and practices of effective research across disciplines. Through a structured progression, students learn to identify, evaluate, and synthesize academic sources; engage critically with scholarly literature; and apply both traditional and technology-supported research methods to develop defensible, evidence-based analyses. The minor emphasizes ethical considerations in research and system design, project planning skills, and exposure to multiple forms of scientific inquiry through disciplinary perspectives. Designed for students interested in undergraduate research or careers that value discovery, analytical rigor, and evidence-based decision-making, this minor supports a wide range of professional paths across industries and fields.

Some majors may not be eligible to pair with this minor. See the Minor Restrictions (<https://catalog.erau.edu/programs/undergraduate/minors/restrictions/>) list for details.

Daytona Beach Minor Requirements

RSCH 200	Inquiry and Discovery: Exploring Academic Sources	3
RSCH 202	Introduction to Research Methods	3
RSCH 350	Research Ethics	3
Choose One of the Following:		3
MATH 404	Statistics and Research Methods	
PSYC 323	Research Design	
STAT 222	Business Statistics	
DSCI 413	Statistics for Data Science	
Choose One of the Following:		3
PSYC 312	Research Analysis in Psychology	
SOSC 207	Introduction to Research Methods	
	Other program/discipline-specific course as approved by minor coordinator	
Total Credits		15

Prescott Minor Requirements

RSCH 200	Inquiry and Discovery: Exploring Academic Sources	3
RSCH 202	Introduction to Research Methods	3
RSCH 350	Research Ethics	3
Choose One of the Following:		3
MATH 404	Statistics and Research Methods	
PSYC 323	Research Design	
STAT 222	Business Statistics	
DSCI 413	Statistics for Data Science	
Choose One of the Following:		3
GSIS 350	Open Source Intelligence (OSINT)	
WEAX 482	Research Methods in Meteorology	
ASCI 480	Applied Aviation Research Methods	
	Other program/discipline-specific course as approved by minor coordinator	
Total Credits		15

Worldwide Minor Requirements

RSCH 200	Inquiry and Discovery: Exploring Academic Sources	3
RSCH 202	Introduction to Research Methods	3

RSCH 350	Research Ethics	3
Choose One of the Following:		3
STAT 211	Statistics with Aviation Applications	
STAT 222	Business Statistics	
MATH 412	Probability and Statistics	
Choose One of the Following:		3
HFCT 401	Applied Research	
ESVS 401	Applications of Fire Research	
RSCH 355	Publication-Ready STEM Research	
	Other program/discipline-specific course as approved by minor coordinator	
Total Credits		15