

Overview of activities for the Cary Institute’s Translational Ecology for Undergraduates REU program for 2021. Student assignments are in *italics*. The 2021 program is slated to start and end at Cary but be virtual otherwise.

Week	Cutting Edge Independent Research	Professional Development & Reflective Practice	Translational Ecology (TE) Enrichment
Pre-program	Background reading Preliminary definition of questions and hypotheses	Pre-Program Survey of background, skills, confidence, interest	Pre-Program Survey of background, skills, confidence, interest
ALL WEEKS	Reflective Journaling RCR Training Modules		
1	Kick-off Meeting		
	Project planning in research teams	Questions & Hypotheses (Berkowitz) Team Building Workshop (Gosselin) Data Inquiry Workshop: R intro (Batterman) Safety Training (Malcom)	TE Discussion I (Berkowitz) SciComm Workshop I (Quillen, Frick)
2	Travel home or to field site		
	Library/exploratory field work <i>Mentor/Mentee Contract</i>	Writers’ Workshop: Literature & Citation Managers (Schuler)	TE in Action Panel: Education (2-3 guests)
3	Project planning, research question & hypotheses	Data Inquiry Workshop: Study Design (Batterman)	SciComm Workshop II (Quillen, Frick)
4	Presentations of students’ research plans <i>Research proposals</i>	Writers’ Workshop: Introduction & Methods (LaDeau)	TE in Action Panel: Community science & law (2-3 guests)
5	<i>Peer reviews of proposals</i>	Data Inquiry Workshop: Data organization, manipulation (Batterman)	Science Education Workshop: Data Nuggets (Alred, Berkowitz)
6	<i>Revised Mentor/Mentee Contract</i>	Writers’ Workshop: Methods (LaDeau)	TE in Action Panel: Applied ecology (2-3 guests)
7	Data collection	Data Inquiry Workshop: Analysis, statistics (Batterman)	SciComm Workshop III (Quillen, Frick)
8	<i>Symposium title</i> Data analysis and synthesis	Writers’ Workshop: Results (LaDeau)	TE in Action Panel: Communication (2-3 guests) Going to College Panel for HS Students (Cary REU students)
		Future Pathways Discussion - Graduate School & Careers (Batterman, students)	
9	<i>Symposium abstract due</i> Paper and poster preparation	Data Inquiry Workshop: Visualization, Graphs (Batterman) Ethics in Ecology Research & Practice Discussion (Weathers)	Student Blog or Data Nugget
10	<i>Symposium abstract due</i> Paper and poster preparation	Writers’ Workshop: Results, Discussion, Introduction (LaDeau) Scientific Presentations Workshop (Solomon)	TE Discussion II (Berkowitz)
10	Travel to Wrap-Up Meeting		
	Undergraduate Research Symposium - Posters <i>Complete draft of Final Paper Data and metadata</i>	Data Inquiry Workshop: Data archiving, metadata (Schuler)	<i>Personal Translational Ecology Statement</i>