Data analysis is essential for understanding the natural world, informing conservation efforts, and making sound resource management decisions. The Center for Wildlife Studies offers an affordable, one-of-a-kind professional certificate program in Applied Quantitative Ecology. All courses in this professional certificate program are graduate level and are designed for full-time researchers, graduate students, environmental consultants, conservation specialists, and resource management practitioners. Taught by leading experts, participants will learn job-ready skills, including how to properly design field studies and controlled experiments, organize and visualize data, and become proficient in a variety of statistical analyses and modeling techniques to answer important environmental questions.

Course Details
- minimum of 12 graduate-level credits (most courses are 1 credit)
- may include an optional applied project (1-3 credits per term)
- learn at your own pace online or meet in person
- consistent participation and guidance from an instructor
- all course materials are accessible for 1 year
- each course concludes with a final exam or project (need B- to pass)
- courses can be used for academic credit at your institution
- use courses to certify as an ecologist at any level with ESA
- earn CEUs to maintain certification with ESA and TWS

Core Curriculum
- R Bootcamp for Ecologists & Wildlife Biologists
- Research Design
- Introduction to Ecological Modeling in R
- Ecological Modeling II
- Bayesian Statistics in Ecology
- Ecological Multivariate Community Analysis (required for plant & community ecologists)

Current Electives
- Introduction to Occupancy Modeling
- Occupancy Modeling II
- Introduction to Capture-Mark-Recapture
- Distance Sampling
- Geospatial Modeling with QGIS & R
- Computer Vision for Ecologists
- Bayesian Hierarchical Modeling
- Ecological Multivariate Community Analysis I
- Ecological Multivariate Community Analysis II
- Model Averaging in Ecology
- and many more to come soon...

Cost:
- Early Bird Program Tuition:
  - $600/credit - Professional
  - $500/credit - Student
- Pay up front and get one credit for free!
  - $6,600 - Professional
  - $5,500 - Student

procert@centerforwildlifestudies.org

CENTER FOR WILDLIFE STUDIES is a 501(c)(3) non-profit organization whose mission is to provide accessible environmental education worldwide and promote wildlife conservation through science.