Program Summary
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 researchers, graduate students, environmental consultants, conservation specialists, and resource management practitioners that work full-time for government agencies or NGOs. 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
- 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
- Capture–Mark–Recapture II
- Distance Sampling
- Geospatial Modeling with QGIS & R
- Computer Vision for Ecologists
- Bayesian Hierarchical Modeling
- Ecological Multivariate Community Analysis
- 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

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