



CERTIFICATE IN CONSERVATION BIOLOGY

Specialization Track in Economics, Management and Finance

Qualified students in the Certificate Program in Conservation Biology may pursue a sub-curriculum that focuses on the application of economic theory and financial tools to conservation problems. This track is geared toward non-scientists with knowledge of economics who wish to explore the effective and appropriate use of diverse resources and instruments available from the market, the public, and the private sectors.

Qualifications:

Students' professional and/or academic qualifications will be evaluated on a case-by-case basis. An understanding of basic micro and macroeconomic concepts is assumed.

Students must complete 9 regular certificate courses, plus 3 courses specific to the track:

9 Regular courses = 5 Fundamentals + 1 Policy Elective + 1 Case Study + 1 Tools
AND 3 Specialization Track Courses

Fundamentals (All 5 Required)

- 1. Diversity and Conservation
ENVB 0300
- 2. Introduction to Ecology
ENVB 0301
- 3. Evolution: Darwin to DNA
ENVB 0450
- 4. Introduction to Environmental Policy
ENVB 0351
- 5. Environmental Economics
ENVB 0353

6. Policy Elective (Choose one):

- | | |
|-----------------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Consumption and the Environment
ENVB 0370 | <input type="checkbox"/> Environmental Entrepreneurism
ENVB 0349 |
| <input type="checkbox"/> Ecotourism
ENVB 0440 | <input type="checkbox"/> Environmental Intrapreneurism
ENVB 0346 |
| <input type="checkbox"/> Energy & Sustainability | <input type="checkbox"/> Environmental Law
ENVB 0359 |
| <input type="checkbox"/> Environment and Development
ENVB 0358 | |





- Ethnobotany
ENVB 0345
- Government in the Planning
& Approval Process
ENVB 0385
- Local Decision Making: A
Pathway to Sustainability

- ENVB 0480
- Urban Conservation
ENVB 0309
- Water Resources Management
ENVB 0325
- Independent Study
ENVB 0400

7. Case Study Elective (Choose one):

- Approaches to Conservation:
Populations
ENVB 0302
- Behavioral Ecology
ENVB 0308
- Biodiversity in the Lower
Hudson Valley
ENVB 0352
- BioFuels
ENVB 0377
- Climate and Biodiversity
ENVB 0324
- Coral Reef Ecology
ENVB 0316
- Conservation Medicine:
Disease Ecology
ENVB 0306
- Conservation Genetics
ENVB 0317

- Ecological Field Methods:
Black Rock Forest
ENVB 0420
- Forest Management &
Conservation
ENVB 0338
- Landscape Ecology:
Manhattan Island
ENVB 0342
- Introduction to Ornithology
ENVB 0415
- People in the Landscape
ENVB 0305
- Wetland Restoration &
Conservation
ENVB 0382
- Independent Study
ENVB 0400

8. Tools Elective (Choose one):

- Geographic Information
Systems (GIS)
ENVB 0356
- Topography and Map Reading
ENVB 0365
- Responding to Nature Visually
& Verbally
ENVB 0368
- Addressing Conservation
Issues: Education & Outreach
ENVB 0311
- Grant Writing
ENVB 0492

- Conducting Library &
Academic Research
ENVB 0490
- Field Methods: Black Rock
Forest, Brazil or Costa Rica
ENVB 0420
- Field Botany: Black Rock
Forest
ENVB 0344
- Coral Reef Ecology: Bermuda
ENVB 0321





9. One elective of your choosing (from any of Case Studies, Policy, and Tools)

Specialization Track Courses (Choose three):

- Business Strategies & Management
ENVB 0364
- Market Instruments
ENVB 0357
- Environmental Management and Finance Workshop
ENVB 0314
- Measuring 'Green' for Public Decision-Making
- Sustainable Investing
- Environmental Entrepreneurialism
ENVB 0349

